



# ANNUAL PLAN

1992-93

5455  
309.25  
PUN-A

GOVERNMENT OF PUNJAB  
DEPARTMENT OF PLANNING

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## CHAPTER I

### APPROACH TO THE ANNUAL PLAN 1992-93

An expenditure of Rs. 3546.95 crore was incurred during Seventh Five Year Plan 1985—90 against Approved Outlay of Rs. 3349.00 crore (Agreed outlay being 3285.00 crore) performance being 105.91 percent. An expenditure of Rs. 991.06 crore has been incurred during 1990-91. An outlay of Rs. 1010.00 crore has been approved for the Annual Plan 1991-92. Planning Commission has approved State's Annual Plan 1992-93 of Rs. 1500.00 crore out of which Rs. 90.00 crore would be loan component for employment oriented programmes. However, resources to fund this Plan have not been tied up. It has, therefore, been decided to stick to a plan of Rs. 1150.00 crore for the time being.

1.2 The Annual Plan 1992—93 has been drawn in consonance with the guidelines issued by the Planning Commission, Government of India. The Central thrust of the Eighth Plan is to maximise employment and to involve the people through democratic decentralised bodies in a bottom up planning process for formulation and implementation of the Plan. The sectoral allocations proposed in the Plan are based on deliberations at the highest level in the State Government and the proposals indicate that 53.58 percent funds would be expended in the rural areas of the State. Keeping in view the importance of grass-root planning, funds to the extent of 29.28 percent have been devolved to the District Planning & Development Boards during 1992-93 for implementation of schemes and projects as per felt needs of the people and specific requirements of the particular areas. While larger amount of funds are being placed at the disposal of the district authorities, it is expected that voluntary agencies and Panchayats would realise their responsibility towards development of their respective areas and funds ranging from 10—15% of the project cost would flow as public contribution to meet the total cost of the main schemes. Since people are being involved in the formulation and implementation of the schemes suited to them, it is expected that public contribution will grow year after year. In 1992-93 Plan, due importance has been attached to Energy including rural electrification and Transmission and Distribution system, increasing productivity in the Agriculture sector and diversification of crops from wheat paddy rotation to pulses, oilseeds, sugarcane, cotton and horticulture, greater stress on literacy with due emphasis on improvement and strengthening of technical education, greater health care and providing drinking water facility in every village etc. It would be quite appropriate to mention here that the sub-heads falling under the sector 'Social Services' remained under-fed during the Seventh Plan period as only 13.44 percent of the expenditure could be expended on these sectors. Realising the importance of the sub-heads like Education, Technical Education, Sports & Youth Services, Medical and Public Health,

Water supply and Sanitation, Housing and Urban Development, Welfare of Scheduled Castes, Scheduled Tribes and other Backward Classes and Labour & Labour Welfare etc., the outlay of 'Social Services' sector has been increased from 28.16 percent in 1991-92 to 29.29 percent of the total allocation of Rs 1150.00 crore for the Annual Plan 1992-93. Broadly speaking, the following objectives have been kept in view while formulating the Annual Plan of the State:—

- (a) Generation of additional employment opportunities ;
- (b) providing basic infrastructure and its modernisation;
- (c) emphasis on human resource development and social services with accent on self-employment ;
- (d) diversification in Agricultural production ;
- (e) greater emphasis on Industrialisation particularly Agro Industries ;
- (f) emphasis on Science & Technology ;
- (g) decentralised planning;
- (h) encouraging private investment in sectors like Power, Technical Education, Health & Animal Husbandry;
- (i) Improving the viability of public sector undertakings;
- (j) reorientation of old schemes and elimination of schemes which have outlived their utility.

1.3 The generation of additional employment is the core of the Annual Plan 1992-93 as one of the major problems facing the State of Punjab is widespread unemployment among the rural educated youth. The problem of unemployment in Punjab has certain peculiar characteristics. Unemployment among the rural wage earners does not seem to exist in any appreciable measure to warrant special attention. There may be seasonal short duration unemployment among them as intensity of work declines in off season. On the other hand, in busy agricultural season, demand for labour increases to such an extent that wages go very high and there is influx of labour from adjoining States. The spread of education facilities in rural areas has changed the employment scenario. The children of farmers, after having the benefit of education are drifting to urban areas in search of white collar jobs. Even the children of village artisans, marginal farmers and other backward classes after education are unwilling to adopt the traditional profession of their fathers. There is thus heavy incidence of unemployment not only among generally educated persons but

also professional and technical personnel. Unemployment problem in Punjab mainly relates to educated youth. There is little scope to absorb all of them in the State Government jobs. Hence there is need for more and more self employment schemes for educated youth. Finding that normal development schemes have not made much dent into the backlog of unemployed, the Centre as well as the State Government have been taking up special employment and self-employment programmes from time to time which are discussed in paragraphs 1.4 and 1.5 below. In all, a sum of Rs. 87.53 crore will be spent by the State Government for employment oriented programmes to be taken up by different departments. All these programmes will provide employment to about 4.00 lakh persons during Annual Plan 1992-93.

1.4 The State Government approved an Action Plan for providing employment/self-employment for one lakh educated youth during 1990-91 in Industrial sector (50,000) self-employment in Business and Services sector (10,000), Transport sector (10,000), employment in non-farm sectors like Dairying (20,000), Poultry (5,000), Fisheries (3,000) and Piggery (2000). An Empowered Committee has been constituted under Chairmanship of Chief Secretary to Govt, Punjab to approve and examine schemes drawn out by different departments. Keeping in view the resource constraint and shortage of time, Empowered Committee decided to reduce the targets during the year 1990-91 for various departments. Employment to the extent of about 40,000 was generated against the revised target of 50,500 persons. It has been decided to complete the scheme by the end of 1991-92. Since this is an important scheme initiated by the State Govt., it is proposed to continue the scheme during 1992-93 also. Another new Special employment Programme was also initiated during 1990-91. Under this scheme, youths are motivated to adopt self-employment ventures by raising composite loans upto Rs. 1.00 lakh from PFC/Banks. Under the scheme subsidy to the extent of 10% subject to maximum of Rs. 10000 is granted to the beneficiaries of general category and 15% subject to maximum of Rs. 15000 is granted to Scheduled Caste beneficiaries. An amount of Rs. 3.00 crore for 1992-93 has been provided under this scheme to benefit 3000 persons. The State Government is also providing training to Border Area Youths in the camps organised under the scheme 'Centre for Training and Employment for Border Youths'. Under this scheme, border area youths are being provided training for absorbing them in self-employment and para-military forces. 2000 youths have been imparted training under this scheme. An amount of Rs. 8.00 crore has been provided under this scheme during 1991-92 which will provide employment to about 5000 youths. An outlay of Rs. 7.00 crore for 1992-93 has been provided under this scheme to create additional avenues of employment through appropriate training. During their stay in the camps, the trainees are paid Rs. 400.00 P.M. as stipend out of which Rs. 300.00 P.M. are spent on diet besides free facility of rented accommodation in the camps. The main object of this scheme is to wean away the youth from illicit activities by providing employment oriented train-

ing and upgrading their skill and discipline to make them employable. The scheme is proposed to be implemented in the entire State during 1992-93.

1.5 The State Government has decided to eradicate unemployment problem from the three border districts of the State namely Amritsar, Gurdaspur, and Ferozepur. The programme has also been included in the Special Economic Package for Punjab announced by Government of India. Proposal has been sent to the Planning Commission for the requirement of funds to the extent of Rs. 83.63 crores for the implementation of the scheme. It will have good impact in the border districts if funds are provided by Government of India. Self-employment for educated unemployed youths (SEEU) is a 100% centrally sponsored scheme to encourage educated unemployed youths to undertake self-employment ventures in Industry, Services and Business. The scheme covers matriculates and I.T.I. pass youths in the age group 18-35 years. Bank loan upto Rs. 35000 for industrial, Rs. 25000 for service and Rs. 15000 for business ventures is made available under this scheme. The loan is subsidized to the extent of 25%. During 1990-91, 7453 beneficiaries were sponsored against the target of 7675 beneficiaries. An outlay of Rs. 799.13 lakhs has been disbursed. 7700 beneficiaries are likely to be covered during 1991-92. The self-employment programme for the Urban poor (SEPUP) was introduced by Government of India during 1986-87 for self-employed persons in the urban areas with population exceeding 10,000 as per 1981 Census with a view to eradicate poverty among urban poor. Under this scheme, a person whose family income is less than Rs. 600 per month and has not availed loan from any bank or Credit Institution under any other scheme is eligible for loan upto Rs. 5000 at an interest rate of 10 percent per annum. Central Government provides capital subsidy at the rate of 25 per cent of loan sanctioned by the Bank. Training of rural youths for self-employment is another important scheme aimed at creating additional employment opportunities. It is proposed to cover 8000 persons during 1992-93 under this scheme.

1.6 The core of the Annual Plan approach lies in democratic decentralisation of the programmes and sufficient resources being made over to the reorganised District Planning & Development Boards which consist of the elected representatives of the people as well. The District Planning & Development Boards are headed by a cabinet Minister in each district of the State. Block level Planning and Development Committees have also been organised. The final aim is to have village level planning as the basis for all planned projections in order to give a sense of participation to the common man in the District Planning. In the State of Punjab, first step was taken in the direction of district level planning in the year 1988-89 when an allocation of Rs. 5.70 crore was made under the head 'Untied Funds'. These funds were placed at the disposal of Deputy Commissioners to be utilized for permanent assets of public utility and to bridge gaps wherever feasible. District Planning & Development Boards utilized these funds to motivate the community partici-

participation and mobilised matching contribution from the people to the extent of 50% to 100%. Keeping in view the encouraging results, provision for untied funds was enhanced to Rs. 14.47 crores during 1989-90. In the Annual Plan 1990-91, various plan schemes under different sub-heads of development were classified into two categories viz. the State level schemes and the district level schemes on the basis of location and coverage of benefit. The schemes which could be better implemented at the district level were decentralized for implementation by the District Authorities after the approval of the District Planning and Development Boards. All schemes, except schemes and projects each costing more than Rs. 10.00 lakhs, which are to be referred to the State Headquarters for approval, could be cleared and implemented at the District level. As the representatives of the people are fully involved in suggesting schemes as per felt needs of the people and allocation of funds for different projects and schemes is being done with their consent, district planning has proved to be of great success. In order to keep uniformity, broad parameters relating to projects and schemes are being conveyed to the districts by the Punjab State Planning Board while the responsibility for designing the projects and determining the scope and modalities of operation is being left to the District Planning & Development Boards constituted in each of the fourteen districts of the State. During 1990-91, an amount of Rs. 247.60 crore was expended against the allocation of Rs. 255.50 crore. Peoples' contribution amounted to Rs. 9.75 crore. In the Annual Plan 1991-92, an amount of Rs. 284.03 crore has been set apart for district planning. Funds devolved to districts for grass root planning amount to Rs. 336.78 crore for 1992-93.

1.7 Irrigation and Power sectors have been accorded due priority in the Annual Plan 1992-93. An outlay of Rs. 396.68 crore for the Annual Plan 1992-93 has been allocated for the power sector. Irrigation & Flood Control has been allocated funds to the extent of 90.00 crore for the Annual Plan 1992-93. In all, Irrigation and Power sectors have been allocated funds to the tune of 42.32 percent of the total allocation for the State for the Annual Plan 1992-93. The increase in the outlay of the Power sector is absolutely essential for providing adequate funds for the ongoing critical projects to avoid the projected shortage of Power and adequately strengthening the Transmission and Distribution system in the State. An outlay of Rs. 150.00 crore for 1992-93 has been provided for Ranjit Sagar Dam Project which is scheduled to be completed in 1996-97. Funds amounting to Rs. 60.00 crore for 1992-93 have been provided for RTP Stage III as 1st unit of 210 MW is scheduled to be commissioned in 1992-93. Adequate outlay amounting to Rs. 30.00 crore for 1992-93 has been provided for rural electrification. The Transmission & Distribution system could not be provided adequate funds during the Seventh Plan as well as during 1990-91 and 1991-92. The funds provided for strengthening and revamping the Transmission & Distribution system have, therefore, been enhanced substantially for removing the inadequacies in the system and to reduce the line losses to the minimum possible extent. An outlay of Rs. 103.00 crore for 1992-93 is being provided for the T&D system to ensure

that the electricity already generated and proposed to be generated is efficiently distributed to meet the requirements of agricultural and industrial sectors.

1.8 During 1992-93, stress is proposed to be laid on promotion and development of Agro based Industry. It is proposed to complete the ongoing projects including bagasse based paper project and undertake certain new projects like sugar mills, industrial alcohol, edible rice bran oil, grape spread and by-products, kinnow/malta processing, and meat processing project. It is envisaged to strengthen the input testing infrastructure by opening/ expanding the fertilizer micro-nutrient and soil testing laboratories. Attempts would continue to transmit improved agricultural technology at the door step of the farmers. In the Animal Husbandry sector, the main thrust is on providing efficient health cover to the live stock and to improve the breed both of cattle and buffaloes in the State. Training facilities in dairying are proposed to be strengthened further. A new Regional training complex is being set up at Phagwara for providing better quality of life to the rural people through improved environment and infrastructure, a major programme namely improvement of rural environment and infrastructure is proposed to be implemented for which sufficient funds have been provided in the Plan. Apart from this, a new rural housing programme would be taken up for providing 5000 developed house sites to the landless and other rural people during 1992-93.

1.9 In the Industrial Sector, the objective is to generate adequate self-employment opportunities without affecting the efficiency and growth. The new Industrial Policy 1989 is proposed to be fully implemented to accelerate the pace of industrialisation in the State. In line with the thinking of the Central Government, privatisation is proposed to be encouraged. Public sector, semi-govt. undertakings and Cooperative Federations which have suffered huge losses will not be provided additional funds unless it is assured that such undertakings will stand on their own feet after their re-orientation. The policy thrust is on the coordinated development of the small and tiny sectors together with the growth of large and medium industries needed to support the sector. It lays special stress on development of manpower, strengthening of infrastructural facilities, extension services, modernisation and technology upgradation with a time bound implementation schedule. The policy also aims at setting up of various types of industrial units in the border and backward areas of the State apart from providing various types of incentives to give a boost for future industrialisation and increase the generation of employment for unemployed youth in the rural areas. The State will continue to provide Industrial culture conducive to the growth of Industry in the State. With the abolishing of Industrial licensing, except in certain specified areas, it is necessary to monitor properly the availability of credit for long term and short term needs of this sector. The State financial institutions like Punjab State Industrial Development Corporation and Punjab Financial Corporation will assume new roles involving increased responsibility for ensuring adequate and timely availability of credit. Adequate funds are, therefore, proposed

to be provided to these institutions to have a sound base for the development of Industry in the State. Small Scale Industry is the backbone of the Industrial structure in the State. This sector is not only providing employment to over 6.5 lakh persons, but they also contribute to over 50% of the total exports from the State. However, with a view to create increased awareness for raising the quality and competitiveness of output, new initiatives have been planned for setting up Research and Development Centres in the field of Machine-tools, auto-parts, rubber goods, steel re-rolling and electrical appliances etc. Some of these Centres will be assisted under UNDP programmes and for providing the State share, suitable provision has been made in the Plan. Outlay for the Industry Sector has been raised from Rs. 64.00 crore to Rs. 71.00 crore in Annual Plan 1992-93.

1.10 With the increased activity of the Government and a need for monitoring and proper feed back, it is felt that the computerisation of the main departments will go a long way in improving the efficiency of different departments. In order to ensure effective implementation, Punjab State Planning Board has been allowed the assistance of a technical team and a floating team of technical experts. An Information Cell is being set up in the State Civil Secretariat with a view to provide the benefit of computer technology available to the Senior Officers of the State Government at short notice through the use of NICMAIL facility with the help of National Informatics Centre, Chandigarh. This information centre of the NIC is expected to be linked through the satellite to make the flow of information from the District Headquarters to the State Headquarters and at National Capital and State Headquarters of the country. An outlay of Rs. 3.00 crore for Annual Plan 1992-93 has been provided for strengthening the computerisation system.

1.11 The Prime Minister *vide* his communication dated 12th January, 1990 addressed to Chief Ministers of the States and Administrators of the Union Territories stressed the need for making allocation for the

Welfare programmes of the Scheduled castes and Scheduled tribes in proportion to their population. This was necessary in order to ensure proper distribution of the benefits of growth to the really weaker and deserving sections of the society. Special Component Plan has been designed to channelise the flow of outlays and benefits from the general sector to the scheduled caste population. The SCP seeks to improve the living conditions of the scheduled caste families through provision of drinking water supply, link roads, house sites, housing improvement and other such services as primary schools, Health centres, Health services, Panchayat Ghars, Dharamsalas, community Halls, expansion of electricity, common work flow and other common facilities in the Scheduled Caste Basties. Government of India has also launched a 100 percent Centrally Sponsored Scheme 'Special Central Assistance for Scheduled Castes' to accelerate the economic development of the below poverty line scheduled caste population. Funds under this scheme can be utilised for below poverty line SC's to ensure flow of income sufficient enough to bring them above the poverty line status.

1.12 The overall growth rate of the economy during 7th plan may be of the order of 5.9 percent per annum on the basis of provisional estimates of GSDP for 1989-90. The growth rate has been worked out on the basis of projected estimates of Gross State Domestic Product (GSDP) at 1980-81 prices, which in turn have been prepared on the basis of production targets in respect of Agriculture, Live-stock, Forest, Fisheries, Power and past trend of other sectors viz. Industry, Trade, Transport, Banking and Insurance, Public Administration, Construction and other services. The growth rate of Primary sector is expected to be about 3.3 percent per annum, whereas that of Secondary sector which comprises Industry, Power and Construction is likely to be around 5.8 percent during 1992-93. The growth rate in Tertiary sector which consists mainly of services sectors is tentatively estimated at 4.7 percent. The projected growth rates are given as under :—

Average Annual Projected growth Rates of GSDP at 1980-81 Prices

Sr. No.	Sector	7th Plan (1985-86) P	Annual Plan		
			1990-91 Q	1991-92 T	1992-93 T
1	2	3	4	5	6
1.	Agriculture including Live-stock	5.26	0.74	4.70	3.30
2.	Primary	5.16	0.75	4.61	3.25
3.	Manufacturing (Regd. & Un-regd.)	9.64	10.16	10.16	7.55
4.	Secondary	8.72	9.35	9.42	5.79
5.	Tertiary	4.88	4.70	4.70	4.70
6.	Overall	5.86	3.88	5.84	4.31

P—Provisional.

Q—Quick.

T—Tentative.

## CHAPTER II

### AGRICULTURE AND RURAL DEVELOPMENT (I)

Punjab's economy is primarily an agrarian one. Agriculture not only supports its 80% population but provides a reasonable standard of living also. The contribution of primary sector in the Gross State Domestic Product at factor cost at constant prices (1980-81) was 47.62% in 1989-90 against 48.49% in 1980-81 showing slight shortfall. The State with only 1.6% of the country's total area has earned the distinction of producing 21.44% of wheat, 7.00% of rice and 24.38% of cotton and is the major contributor towards the central pool of wheat (60.9%) & paddy (41.2%). Punjab enjoys an enviable position among States in the yield per hectare, irrigation intensity, consumption of fertilisers and power etc.

2.2 Agricultural economy in the State is characterised by the pre-dominance of wheat-paddy rotation since the post-green revolution period which is mainly the result of major technological breakthrough achieved in respect of these crops and a reasonable return. The cultivation of these two traditional crops of wheat and paddy claiming the lion's share of the total area sown has had some serious repercussions on the health of the economy in the shape of degradation in the eco-system, soil health due to toxicity, acidity and agro-nutrient deficiency, multiplication of pests and diseases, lowering of the underground water table, intensive use of energy, casting disastrous impact on the industrial sector of the economy.

#### STRATEGY

2.3 Considering the hazardous effects of this mono-culture, attempts have already been initiated to restructure the cropping pattern through diversification of some area from wheat-paddy to high value commercial crops like oilseeds, pulses, vegetables, fruits, sugarcane, cotton etc. which are not only remunerative but also comparatively less water-intensive. No doubt, the grip of wheat-paddy rotation has loosened somewhat consequent upon efforts made in the shape of various incentives for switching over to the cultivation of oilseeds, pulses etc. in the previous plans, yet a lot needs to be done to break the monopoly of this monoculture of wheat-paddy.

2.4 In view of significance of diversification, the thrust would be on relieving about 10% (5.17 lakh hectares) of the area from the traditional and well rooted wheat and paddy combination towards high value commercial crops i.e. oilseeds (1.94 lakh hect.), pulses (1.24 lakh hect.), sugarcane (1.49 lakh hect.), cotton (0.30 lakh hect.) and fruit crops (0.20 lakh hect.) during the next five years without affecting the production level of foodgrains in the State. To achieve this end, emphasis would be on increasing the productivity per unit area and per

unit time and diverting late sown/less productive marginal lands to the sunflower and other remunerative crops. In order to boost the diversification process and to make it a viable proposition, following measures will be adopted :—

- (i) Advanced agricultural technology will be imparted to the farmers through extension programmes.
- (ii) Emphasis would be laid on integrated/biological/organic methods of pest management to forewarn the farmers about the probable attacks of various pests and diseases as indiscriminate use of excessive/strong pesticides in the past has led to pesticide resistance in pests of crops particularly cotton and polluting the soils and the environment.
- (iii) Soil/seed/fertiliser testing infrastructure will be strengthened further so as to keep the cost of cultivation within the manageable limits.
- (iv) Strengthening the base of agro industrial units through completion/setting up of units in the field of foodgrains/fruits and vegetables/agro residues processing, sugarcane crushing and cotton ginning and spinning etc. in the joint and assisted sectors.
- (v) Cutting down the cost of cultivation through improving the efficiency of agricultural machinery.
- (vi) Beneficiary oriented programmes in the fields of bee-keeping, horticulture and assisting the small and marginal farmers will be made more effective.
- (vii) Development of cost effective appropriate post harvest technology packages and sustainable agricultural production systems.
- (viii) Strengthening of location specific research in various regions of Punjab State.
- (ix) Emphasis on land reclamation programme and dry land farming in the arid/sub-montane zone.
- (x) Extension of credit facilities for setting up of various self employment ventures in the fields of dairying, poultry, piggyery, fisheries etc.



- (xi) Proper co-ordination amongst all the development departments to ensure an integrated policy in agriculture, forest, animal husbandry, dairy, poultry, and fisheries etc.

#### Agro Climatic Zonal Planning :

2.5 One of the salient features of agricultural Plan is its agro-climatic character. The country has been divided into 15 zones for this purpose and Punjab State falls under Sr. No. 6 Trans-Gangetic Plain Region. This region has been further divided into two main Sub-Divisions, i.e. (a) Northern Sub-Division and (b) Southern and Central Sub-Division. 6 districts namely, Amritsar, Gurdaspur, Ropar, Hoshiarpur, Jalandhar and Kapurthala fall under the Northern Sub-Division whereas Ferozepur, Ludhiana, Patiala, Sangrur, Bathinda and Faridkot fall under the category of Southern and Central Sub-Divisions. Paddy, maize, sugarcane and wheat are some of the major crops grown in the Northern Sub-division while paddy, cotton and wheat are the chief crops sown in the Southern and Central Sub-Division. The concept of agro-climatic zonal planning, holds considerable significance for Punjab State as it envisages different cropping pattern for different areas according to the climatic conditions prevalent in different regions. The importance of this system of planning is likely to grow further in view of the introduction of decentralised planning in Punjab State since 1990-91. The linkage of district level planning with the agro-climatic planning is likely to yield desired results by tiding over the regional imbalances in the agricultural planning of the State on which depends, the ultimate development of the State.

#### EMPLOYMENT GENERATION

##### (a) Crop Husbandry Sector :

2.6 Keeping in view the stress on generation of more avenues of employment, it has been targetted to create such opportunities for about 11.62 lakh mandays (including 1.06 lakh mandays in the horticulture sector) in the crop husbandry sector during 1992-93. Besides, it has been envisaged to create a direct employment for 1915 persons in the agro based units during 1992-93. The position regarding direct and indirect employment created during the 7th Plan and 1990-91 and likely to be created in agro industry sector during 1992-93 is depicted below :—

Table No. 2.1 Employment created/likely to be created in the State.

Year	Employment	
	Direct	Indirect
1	2	3
Achievement 7th Five Year Plan 1985—90	785	3225
1990-91	641	4300
1991-92 (Anticipated)	1030	3450
<b>Target</b> Annual Plan (1992-93)	1915	5815

##### (b) Assistance by Agricultural Financial Institutions for Employment :

2.7 Under this debenture oriented programme, state share is provided to the Punjab State Cooperative Agricultural Development Bank to enable it provide loans to the farmers for setting up of various self-employment ventures like dairy, poultry, fisheries, etc. apart from loans for purchase of tractors, installation of tubewells, gobar gas plants etc. This scheme runs in collaboration with the NABARD and Government of India. Under this programme, an indirect employment is likely to be generated for about 13889 persons i.e. 10739 in the field of dairy, 2700 in poultry, piggery etc. and 450 under fishery during 1992-93. 9500, 2400 and 300 such self-employment units in the sphere of dairy, poultry, piggery etc. and fishery respectively are likely to be set up during 1991-92.

##### Land Utilisation :

2.8 The percentage of area cultivated in Punjab is about 84% of the State's geographical area which is a record in the country. Similarly, cropping intensity has touched the peak i.e. 176.35%. Since maximum possible area of the State is already under cultivation, very little scope is left for increasing agricultural production through horizontal increase in the area. Thus, we would have to continue our existing strategy of intensive cultivation of land i.e. multiple cropping for effecting increase in the agricultural production. It is envisaged to increase the cropping intensity by about 7% during the next five years to increase production and employment. The following table reveals the position of land use during the last few years :—

Table No. 2.2 Land Utilization in Punjab

Item	(000 Hectares)			
	1979-80	1984-85	1988-89	1989-90
1	2	3	4	5
(a) Geographical Area	5036	5036	5036	5036
(b) Reported Area	5033	5033	5033	5033
(c) Forest Area	217	221	222	230
(d) Land not available for cultivation	531	519	508	508
(e) Other uncultivated land excluding fallow lands	52	49	47	49
(f) Current fallow land	51	55	51	57
(g) Net cultivated area	4182	4189	4205	4191
(h) Percentage of reported area	83	83	84	83
(i) Gross Cropped Area	6535	7013	7387	7391
(j) Cropping Intensity	156.3	167.4	175.7	176.35

##### Yield :

2.9 Today Punjab is in the tight grip of wheat-paddy rotation. Despite efforts to diversify some area from this rotation towards other commercial/remunerative crops, interest of farmers in this rotation is unabated mainly due to reasonable return and an

assured market for the produce. At present, a big chunk of the total area sown in the rabi/kharif season is under wheat and paddy. The yield of wheat and paddy in the State is the highest in the country which is mainly due to adoption of advanced farming techniques as is evident from the table given below :—

Table No. 2.3 Yield of Major Crops in Punjab  
(Kg/HQ)

1	2	3	4	5
Wheat	2797	3289	3593	3715
Sugar cane (Gur)	5099	6226	6312	5941
Cotton (Ginned)	326	447	570	463

Crop	1979-80 Actuals	1984-85 Actuals	1989-90 Actuals	1990-91 Actuals
1	2	3	4	5
Rice	2604	3073	3510	3229
Jowar	649	1000	943	1107
Maize	1723	1895	1902	1786

### Crop Production

2.10 In the field of agricultural production, the Punjab State holds a place of pride in the country, being the largest contributor towards central pool of wheat & paddy. The achievement made in respect of production of principal crops and target for the Annual Plan, 1992-93 is indicated in the table given below :—

Table No. 2.4 Output of Principal Crops in Punjab

Item	Unit	1979-80 Achievement	1984-85 Achievement	1989-90 Achievement	7th Plan (1985-90)		1990-91		1991-92 Target	Target Annual Plan (1992-93)
					Target	Achievement	Target	Achievement		
1	2	3	4	5	6	7	8	9	10	11
Wheat	000 Tonnes	7868	10176	11681	10500	11681	11500	12155	11650	12000
Rice	" "	3032	3052	6697	5500	6697	6200	6535	6300	6600
Maize	" "	677	576	399	740	399	500	336	600	300
Bajra	" "	47	60	10	60	10	20	12	20	20
Other Cereals	" "	73	83	99	100	99	110	102	110	120
Jowar	" "	1	1	—	—	—	—	—	110	—
Total Cereals	" "	11718	15948	18887	16900	18887	18330	19140	18680	19040
Gram	" "	157	60	39	90	39	80	45	85	64
Other Pulses	" "	31	90	60	110	60	120	64	135	118
Total Pulses	" "	188	150	99	200	99	200	109	220	182
Total Food grains	" "	11906	16098	18986	17100	18986	18530	19249	18900	19222
Groundnut	" "	81	45	18	70	18	20	8	8	10
Other Oil seeds	" "	76	153	90	130	90	281	107	242	240
Total Oil seeds	" "	157	198	108	200	108	301	115	250	250
Sugar cane (Gur)	" "	393	492	650	750	650	700	600	800	990
Cotton	" Bales	1207	1241	2454	1400	2454	2100	1909	2300	2400

From the table given above it is observed as under :—

(i) The production of foodgrains was 189.86 lakh tonnes in 1989-90 as against the 7th Plan target of 171.00 lakh tonnes and 1984-85 level of 160.98 lakh tonnes. It went up to 192.49 lakh tonnes during 1990-91. The target for 1991-92 was 189.00 lakh tonnes. It has been envisaged to achieve the target of 192.22 lakh tonnes during Annual Plan

(1992-93).

(ii) The contribution of major cereal crops i.e. wheat and paddy continued to dominate the agricultural scene as their production at the closing year of 7th Plan (1989-90) was 116.81 lakh tonnes and 66.97 lakh tonnes as against the 7th Plan target of 105.00 lakh tonnes and 55.00 lakh tonnes and 1984-85 level of 101.76 lakh tonnes and 50.52 lakh tonnes

respectively. The production of wheat and rice was 121.55 lakh tonnes and 65.35 lakh tonnes respectively, during 1990-91. Due to emphasis on diversification and application of law of diminishing return, lower targets of 116.50 lakh tonnes for wheat and 63.00 lakh tonnes for rice have been fixed for the year 1991-92. The overall pace of agricultural development has remained intact despite heavy reverses suffered by the agricultural economy of the State during the years of unprecedented droughts (1986-87) and floods (1987-88). It is targetted to achieve the production of 120.00 lakh tonnes of wheat and 66.00 lakh tonnes of rice during Annual Plan 1992-93.

(iii) The production of oilseeds was 1.08 lakh tonnes during 1989-90 against the 7th Plan target of 2.00 lakh tonnes and 1984-85 level of 1.98 tonnes. It was 1.15 lakh tonnes in the year 1990-91 while an over-ambitious target of 2.50 lakh tonnes of oilseeds production has been fixed for 1991-92. It clearly indicates that the achievement on this front has been quite dismal despite efforts of the Agriculture Department to popularise their cultivation. A production of 0.26 lakh tonnes of sunflower was achieved during the year 1990-91. The target for this crop for the year 1991-92 was 0.60 lakh tonnes out of total of 2.50 lakh tonnes of oilseeds. Similarly, against the achievement of 0.73 lakh tonnes of rapeseed and mustard during 1990-91, a target of 1.75 lakh tonnes had been fixed for 1991-92. The output of oilseeds in the State would likely be 2.50 lakh tonnes during 1992-93.

(iv) Among the commercial crops, the progress of cotton crop has been very encouraging. Against the 7th Plan target of 14.00 lakh bales and achievement of 12.41 lakh bales in 1984-85, the anticipated achievement, by end of the 7th Plan, is 24.54 lakh bales far exceeding the target. However, production of this crop declined to 19.09 lakh bales during 1990-91 mainly due to attack of American boll worm. It was likely to be 23.00 lakh bales during 1991-92. The target of production of cotton is fixed at 24.00 lakh bales during 1992-93.

(v) Similarly, sugarcane production was of the order of 65.00 lakh tonnes in 1989-90 against the 7th Plan target of 75.00 lakh tonnes and 1984-85 level of 49.20 lakh tonnes. The sugarcane production was 60.00 lakh tonnes during 1990-91 and it was targetted to increase it to 80.00 lakh tonnes in 1991-92. It has been targetted to achieve the production of 99.00 lakh tonnes during 1992-93.

## MAJOR SCHEMES/PROGRAMMES

### Crop Husbandry :

2.11 An expenditure of Rs. 77.75 crore (89.96%) was incurred against an allocation of Rs. 86.57 crore under the sub-head 'Crop Husbandry' during the 7th Plan period. Slight shortfall was mainly due to non/late sanction of certain schemes. During 1990-91, an amount of Rs. 18.69 crore (89.38%) was incurred against the revised outlay of 20.91 crore under the State level schemes. Besides an amount of Rs. 292.64 lakhs (Provisional) was spent under the District Plan schemes of this sub-head during the year 1990-91.

Shortfall in the expenditure was mainly attributed to less amount spent on T & V scheme, Intensive cotton development programme, National pulses development project and National oilseeds development project. An outlay of Rs. 29.80 crore has been provided under the sub-head 'Crop Husbandry' during the current year. An outlay of Rs. 2598.02 lakhs (including Rs. 441.00 lakhs for District Plan) has been provided in the Annual Plan, 1992-93 under this sub-head. A brief profile of the programmes/schemes of this sector is given as under :—

### Direction and Administration :

2.12. 'Strengthening and reorganisation of agriculture, extension and administration', a World Bank aided project popularly known as Training and Visit (T & V) scheme was introduced in the 7th Five Year Plan and is likely to continue till 1992-93. The project was sanctioned for four years i.e. from 1987-88 to 1990-91. Since the amount provided for the project i.e. Rs. 11.40 crore was not utilised during the project period due to the late implementation of the project especially the civil works in the Punjab State, the project has been extended upto 1992-93, so that the purpose of the project is fulfilled. The scheme aims at reorganising the Department of Agriculture with a view to integrate its multifarious activities with a mission to impart latest farming technology to the cultivators at their door-steps. Apart from this aspect, the scheme has another component i.e. to keep the implementing departmental staff comprising subject matter specialists, block agricultural officers, agricultural extension officers, abreast of the latest agricultural techniques through organising seminars/workshops and refresher courses etc. The coverage of this scheme which was confined only to three districts in the 1st Phase i.e. Amritsar, Bhatinda and Hoshiarpur, was subsequently extended to the entire Kandi belt of the State under the Integrated Watershed Development Project (Hills), Punjab covering complete Ropar district and Dera Bassi and Dhar blocks of Patiala and Gurdaspur districts respectively. Under this scheme, an agricultural inspector is the basic consultant for 1080 farming families. At the block level, the scheme is supervised by the agriculture officers while there is a team of officers like District Training Officer and Subject Matter Specialists representing different faculties who work under the overall supervision of the Chief Agricultural Officer. In each district, the staff splits itself into groups for imparting training to the farmers by holding meetings periodically where the extension officers of the Agriculture Department discuss diverse problems with the farmers and suggest suitable solutions on the spot. The PAU has also been involved to the desired extent under this scheme. Almost the entire staff of the Agriculture Department except technical categories manning the laboratories has been clubbed under this scheme.

2.13 An expenditure of Rs. 432.67 lakh has been incurred on this project in the 7th Plan and another expenditure of Rs. 195.87 lakh has been made during 1990-91. An outlay of Rs. 317.79 lakh was spent against an outlay of Rs. 364.50 lakhs provided during the year 1991-92. For Annual Plan 1992-93 an outlay of Rs. 350.00 lakh has been allocated to continue this programme/project provided the World Bank project is extended beyond 1991. The

break-up of 1992-93 outlay is indicated below :—

(Rs. in Lakhs)

Item	Outlay
	1992-93
Salary ..	108.07
Machinery & Equipment ..	3.00
Material & Supply ..	6.00
Motor Vehicles ..	10.00
Grant-in-aid to PAU ..	6.93
Civil Works ..	144.00
Others ..	72.00
<b>Total ..</b>	<b>350.00</b>

**2.14** A scheme for staff at district level has been incorporated with an outlay of Rs. 35.00 lakhs in the Annual Plan 1991-92 for providing staff for the implementation of schemes like soil testing laboratories. An allocation of Rs. 40.00 lakhs has been in the Annual Plan 1992-93 under the scheme.

#### Foodgrain Crops

**2.15** In order to boost the rice production, the Govt. of India introduced during the year 1989-90 a centrally sponsored 'Integrated Programme for Rice Development (IPRD)', on 75:25 sharing pattern between the Govt. of India and State Govt. in three districts viz. Amritsar, Bhatinda and Hoshiarpur. During the year 1991-92, this programme was extended to the whole state. With the need to increase the production of basmati for the purpose of export, seven districts i.e. Amritsar, Gurdaspur, Jullundur, Ludhiana, Patiala, Kapurthala and Ropar have been identified and for increasing the production of rice five districts i.e. Faridkot, Ferozepur, Sangrur, Bhatinda and Hoshiarpur have been selected. Various subsidies/incentives i.e. on certified seed @ Rs. 200 per qtl. limited to Rs. 160 per farmer, 50% on herbicides limited to 25 Kgs. Zinc sulphate, 50% subsidy on pesticides limited to Rs. 100 per hectare per spray for two sprayings, 50% subsidy on Weedicides limited to Rs. 100 per hect. per farmer, 50% subsidy on plant protection equipment limited to Rs. 500 per equipment per farmer and 50% subsidy on farm implements are provided.

**2.16** An outlay of Rs. 140.00 lakhs has been provided for the Annual Plan 1992-93 to meet the 25% state share under this programme.

#### Inputs Testing Infrastructure

##### (a) Seeds :

**2.17** Keeping in view the growing significance of improved quality/scientificallly treated seeds in accelerating the pace of agricultural development with

special emphasis on the diversification process, it is envisaged to continue the notable scheme of seeds sector i.e. seed testing laboratory during the Annual Plan 1992-93. This scheme is basically meant for enforcement of the Seed Control Act, 1983 by testing the seed samples drawn from the sale centres for purity, germination and other prescribed tests. At present, the only seed testing lab. at Ludhiana is inadequate to cope with the existing seed testing work which is increasing day by day due to increase in the number of sale centres in the State. One seed testing laboratory sanctioned during 1991-92 is being set up at Gurdaspur and it has been envisaged to set up another seed testing laboratory at Faridkot with the capacity to test 8000 samples of various varieties of seeds during 1992-93. An amount of Rs. 38.00 lakh has been allocated for the purpose, during the Annual Plan 1992-93, the break up of which is given as under:—

(Rs. in Lakhs)

Item	Outlay
	1992-93
Salary ..	13.00
Machinery & Equipment ..	4.80
Material & Supply ..	4.00
Civil Works ..	8.00
Others ..	8.20
<b>Total ..</b>	<b>38.00</b>

##### (b) Manures and Fertilizers :

**2.18** Fertilizer consumption in the State is highest i.e. 10% of the total consumption in the country. The average per hectare fertilizer consumption in Punjab is 156 kgs. as compared to national average of 62 kgs. In terms of nutrients about 12 lakh tonnes of N.P. & K. are consumed in the State every year. Year-wise detail of fertiliser consumption in Punjab is given in the following table :—

**Table 2.5 Fertilizer Consumption in Punjab**

('000' tonnes of nutrients)

Year	N	P	K	Total
1	2	3	4	5
1979-80	477	179	30	686
1980-81	526	207	29	762
1984-85	759	267	22	1048

1	2	3	4	5
1985-86	787	287	24	1098
1986-87	803	290	23	1116
1987-88	791	297	24	1112
1988-89	796	301	20	1117
1989-90	818	315	12	1145
1990-91	878	328	14	1220
1991-92	913	327	17	1257
Achievement (P)				
Target				
1992-93	925	380	21	1326

2.19 There are about 7000 outlets through which the sale of fertilizer is channelised. Apart from these outlets, there are about 40 manufacturing small scale units. Against 10% of fertilizer consumption, the fertilizer testing facility is only 2.29% of the total capacity in the country. There is great need to create/strengthen the input testing infrastructure in this State to ensure good quality inputs to the farmers. It has been envisaged to set up one quality control laboratory for fertilizer testing at Amritsar. With the setting up of one Micro-nutrient testing laboratory at Bara (Patiala) sanctioned during the current year, the total fertilizer/micro-nutrient testing capacity in the State will increase from 6000 samples to 8000 samples per annum. An allocation of Rs. 50.00 lakhs has been made for Annual Plan 1992-93 under the scheme 'Creation of input testing infrastructure in the State'. This scheme has been formulated with the merger of two schemes i.e. fertilizer quality control labs. and Micro-nutrient testing lab. sanctioned during 1991-92. The detail of allocation for the current year is given as under :-

Item	(Rs. in lakh)
	Outlay 1992-93
Salary	16.00
Machinery and Equipment	17.00
Material & Supply	5.00
Civil Works	7.00
Others	5.00
Total	50.00

#### Plant Protection :

2.20 High priority had been accorded to plant protection programme to fight various crop

diseases and epidemics. But the Indiscriminate use of pesticides has resulted in pollution of soil, water and air and degradation of the entire eco-system. To tide over this problem which has acquired dangerous dimensions, it has become necessary to minimise the use of pesticides and tackle pest problems through ecologically safe and cost effective technology. As such, it has been envisaged to introduce the Integrated pest management programme (IPM) to be shared on 50 : 50 basis between the State and Government of India during the Annual Plan 1992-93. Integrated pest management is a tool/approach in which control measures i.e. cultural, mechanical, biological and chemical are combined together in a compatible manner. The main objective of the approach is to maximise the production at a minimum cost with due safety to ecosystem and environment. In order to achieve this objective, the following thrusts have been identified under IPM Programme :-

- (i) Close pest surveillance/monitoring.
- (ii) Promotion of biocontrol methods by creating mass multiplication facilities for parasites, predators and pathogens.
- (iii) IPM training to State officials and farmers.
- (iv) IPM demonstrations at farmers' fields.
- (v) Promoting alternative methods of pest control such as resistant varieties, proper cultural methods, pheromone traps, plant products etc.

2.21 An outlay of Rs. 75.00 lakhs has been provided during the Annual Plan 1992-93 under the new scheme A (P) 5.8 'Integrated pest management (Sharing)' for setting up of IPM stations in the State. The break-up of outlay is given as under :-

Item	(Rs. in lakhs)
	Outlay 1992-93
Salaries	32.50
Machinery and Equipment	6.50
Motor Vehicle	17.50
Material and Supplies	3.50
Others	15.00
Total	75.00

### Commercial Crops :

2.22 From the year 1990-91, the Government of India have sanctioned a centrally sponsored scheme 'Intensive cotton development programme' on 50 : 50 sharing with the State Government to increase the productivity and production of cotton in the State especially in the cotton belt districts of Faridkot, Ferozpur, Bhatinda and Sangrur through various incentives like subsidy on certified seed (@) Rs. 400 per quintal, 50 % subsidy on plant protection equipment with a maximum of Rs. 300 per equipment, 50% subsidy on cost of delinting machines and 25% subsidy on the cost of pesticides subject to maximum limit of Rs. 50 per hectare etc. It has been envisaged to enlarge the scope of this scheme by incorporating the component of aerial spraying on cotton. The prices of pesticides and operational charges are very high and the cotton growers usually hesitate to go in for aerial spraying at their own cost. It has, therefore, been proposed to provide the pesticides for aerial spraying on 50% subsidised rates and also to subsidise the operational charges @ 50%. A net area of 0.20 lakh hectares under cotton crop was targeted to be covered by aerial spraying during Annual Plan 1992-93. To meet the 50% state share liability under the scheme A(P)-6.3 'Intensive cotton development programme including aerial spray on cotton (Sharing)', a provision of Rs. 132.50 lakhs has been made during Annual Plan 1992-93. The entire cost of this scheme is for subsidy/incentives.

### Extension and Training :

2.23 The only scheme of this sector i.e. 'Study tour of farmers' was admitted in the Seventh Five-Year Plan to widen the outlook and sphere of knowledge of the farmers through arranging study tours to various suitable places/institutions. In view of usefulness of the scheme in respect of widening the mental horizon of the Punjab farmers by bringing them into contact with the leading farmers/agricultural scientists of other States, this scheme will be continued at a cost of Rs. 3.00 lakhs during 1992-93 for meeting the expenses of study tours of farmers.

### Comprehensive Crop Insurance :

2.24 The object of the scheme is to provide insurance cover to the farmers against the ravages of natural calamities i.e., floods and droughts, etc. As the modalities of this scheme which continued with the token provision in the 7th Five-Year Plan and Annual Plans 1990-91 and 1991-92, are still to be worked out, it has been planned to continue the scheme with the token provision during Annual Plan 1992-93.

### Agricultural Economics and Statistics :

2.25 The Centrally Sponsored Scheme 'Agricultural census' was sanctioned by the Government of India for collection of data regarding farm families and the behaviour of using inputs. Under this scheme, the expenditure on RRT and cost of stationery and printing would be met by the State while rest of the expenditure shall be borne by the Government of India. An allocation of Rs. 0.40 lakhs has been

made for 1992-93 to meet the state share liability under this scheme.

2.26 The scheme 'Setting up of crop cutting machinery for block level estimates' aims at conducting/increasing crop cutting experiments from 8,000 to 13,500 to get the reliable information/estimates of yield at district level and also collecting the data relating to crop losses due to natural calamities. This scheme, has virtually remained in-operative so far but keeping in view usefulness of the scheme particularly in the agricultural planning, it has been planned to make this scheme operative in the Annual Plan 1992-93 at a cost of Rs. 4.00 lakh as per details given below :—

(Rs. in lakhs)	
Item	Outlay
	1992-93
Salaries	3.55
Others	0.45
Total	4.00

### Development of Pulses :

2.27 Despite various incentives and promotional measures, pulses are unable to compete with the high yielding varieties of cereals, oilseeds, cotton and sugarcane due to low return. It has been envisaged to continue this National Programme to promote cultivation of pulse crops in the State during the Annual Plan 1992-93 which at present is having a low profile these days. Under this scheme, Government of India will bear 100% expenditure on seed minikits and training whereas on all other items like block level demonstrations, seed villages, foundation/certified seed, plant protection chemicals/equipment, agricultural implements and staff, the sharing pattern will be 75:25 between Government of India and the State Government. An outlay of Rs. 10.29 lakhs has been provided during 1992-93 to meet the state share liability under the scheme as per details given below:—

(Rs. in lakhs)	
Item	Outlay
	1992-93
Salaries	3.60
Material and Supply	4.81
Others	1.88
Total	10.29



**Agricultural Engineering :**

2.28 Punjab Agriculture is known for its mechanised character, the success of which hinges mainly on selection of machines suitable for different situations, their methodical operation and systematic maintenance to avoid breakdowns. There is tremendous increase in the number of tractors (2.65 lakh) and tubewells (8.00 lakhs) in Punjab and this stock swells every year. These agricultural machines consume substantial quantity of fossil and fuels. Due to energy crises and paucity of foreign exchange to meet the import bill of scarce petroleum products, there is a need to start mass education campaign to educate the farmers to improve their skills in the shape of proper driving, maintenance and upkeep etc. of the tractors, pumpsets and other agricultural equipment. The technological upgradation, evaluation and testing of this agricultural machinery manufactured in small sector would minimise cost of production by saving the raw material, improvement in labour productivity and by energy conservation. A new centrally sponsored 75:25 sharing scheme between G. O. I. and the State Govt. namely, 'Scheme for setting up of agricultural machinery training and evaluation centres in Punjab' would be introduced during 1992-93. The objectives of this new scheme are as under :—

I. To train the farmers/owner operators, technicians and others in the—

- (a) Operation and maintenance of agricultural machinery especially power machines;
- (b) management and upkeep of farm machines;
- (c) installation and maintenance of irrigation equipment;
- (d) energy conservation and safe handling of petroleum products; and
- (e) precautionary measures and safe operation of machines to avoid accidents.

II. To undertake adaptive trial and tests for—

- (a) identifying suitable implements and machines for use within the State;
- (b) evaluation and testing of machines manufactured by the small scale industries sector; and quality certification of machines;
- (c) advisory services to the manufactures for design and quality upgradation.

III. Advisory services to the farmers on agricultural mechanisation.

2.29 An outlay of Rs. 35.00 lakh has been provided during 1992-93 to meet the 25% state share liability. The break up of proposed expenditure is given as under :—

(Rs. in lakhs)

Items	Outlay	
	1992-93	
Salaries ..	1.38	
Land ..	25.00	
Building ..	..	
Stores, Machinery and Equipment including Vehicles ..	7.82	
Others ..	0.80	
<b>Total ..</b>	<b>35.00</b>	

**Oilseeds :**

2.30 The major centrally sponsored programme 'National oilseeds development project' has been in operation in the state since the inception of 7th Five Year Plan on sharing basis between the Government of India and the State Government with the object of raising the production of oilseed crops through package of improved practices. This programme envisages to make an intensive approach to the cultivation of oilseeds particularly groundnut and rapeseed crops in all the potential areas of the State and to educate the farmers about the latest/improved techniques for obtaining higher per hectare yield. Upto the end of 7th Plan, there were two components of this scheme i.e. National oilseeds development project (50:50) and Oilseeds production thrust programme (100%) of Government of India. From 1990-91 the sharing pattern is 75:25 between the Government of India and State Government and main thrust is on evolving better oilseed production technology, better support to oilseed growers with extension input, supply of credit and other services, involving better post harvest technology, infrastructure for better price support and market and processing facilities. Under this scheme, certified seed at the rate of Rs. 300 per quintal will be distributed and 50% subsidy on plant protection equipment/chemicals and farm equipment will be provided. An amount of Rs. 67.13 lakh has been provided to meet the state share under this programme in the Annual

Plan 1992-93 as per details given below:—

(Rs. in lakhs)

Item	Outlay
	1992-93
Salaries and Contingencies ..	6.75
Material and Supplies ..	28.00
Subsidy ..	32.38
<b>Total</b> ..	<b>67.13</b>

#### Horticulture and Vegetable Crops :

2.31 The Programmes in respect of horticulture hold considerable significance for expeditious diversification of area from the deep rooted wheat-paddy rotation (which is not only ecologically degrading but is also responsible for abrupt fall in the water table of the State especially in the Central districts) towards high value remunerative crops including fruit crops and vegetables. As a result of horticultural programmes implemented so far, an area of 64,947 hectares was brought under fruit crops at the end of 7th Plan i. e. 1989-90. Another area of 3859 hectares was added during 1990-91. 4000 hectares are anticipated to be covered under this programme during 1991-92. The target for 1992-93 is 4000 hectares.

2.32 Major fruit crops of the State are, mango, kinnow, sweet orange, pear, guava, peach, ber lime lemon, lichi, grapes etc. An enhanced production of 5.94 lakh tonnes was achieved in respect of major horticulture crops in 1989-90 against the 7th Plan target of 4.00 lakh tonnes. Against the production of fruits of the order of 6.29 lakh tonnes during 1990-91, it is anticipated to produce 6.40 lakh tonnes of fruits during 1991-92. The target of production of fruits is fixed at 6.50 lakh tonnes during Annual Plan, 1992-93. The production of vegetables including potato was 14.22 lakh tonnes during 1990-91 which is likely to go up to 14.40 lakh tonnes during 1991-92. It has been proposed to achieve vegetable production level of 14.50 lakh tonnes during 1992-93.

2.33 An outlay of Rs. 264.10 lakhs (including Rs. 210.00 lakhs under District Plan) has been provided in the Annual Plan, 1992-93, for all the schemes of Horticulture sector.

Main schemes of the Horticulture Department directly pertaining to the popularisation of fruits and vegetable crops in the State have been transferred to the District Plan and discussed separately in this chapter. Some of the schemes which are to be

implemented at the State level are discussed as under:—

2.34 The scheme A (P) 14.8 'Setting up of information and training centres at zonal level' aims at providing technical know how to the fruit growers relating to scientific use of horticulture inputs i., e., seeds, fertilizer, water and other innovations and developing interest in their minds regarding this profession. Under this programme, farmers and farm women will be provided with specialised subject matter training of their choice of one day duration at the nearest Government orchard/nursery. Besides, planned production-cum-demonstration camps will be organized on the farmers' fields by the trained extension specialists to provide training to the orchardists at their door-steps. Selected fruit growers will be taken on planned trips to the progressive fruit growers' farms and other institutions/research stations to bring them face to face with the latest horticultural innovations. The break-up of cost of scheme is given as under:—

(Rs. in lakhs)

Item	Outlay
	1992-93
Office expenses ..	0.10
Material and Supply ..	0.89
Other charges :	
Cost of training camps at zonal, district and village level ..	3.01
<b>Total</b> ..	<b>4.00</b>

As is evident from the above statement, an outlay of Rs. 4.00 lakhs has been provided for Annual Plan 1992-93 under this scheme.

2.35 A staff scheme A (P) 14.9 're-organisation of horticulture department in the state' is proposed to be included in the Annual Plan 1992-93 to speed up the pace of extension service for promotion/popularisation of horticulture and vegetable crops in the State through convincing the potential fruit growers to switch over to these most remunerative crops by diverting area from wheat and paddy crops. A token provision has been made under this scheme in the Annual Plan 1992-93.

#### Market Intervention Scheme for Fruits

2.36 There has been substantial increase in area under horticulture crops and horticulture produce particularly in the field of kinnow and grapes in the state. Due to lack of proper marketing intelligence, transportation facilities, good packing materials and proper post-harvesting handling of

the produce, growers do not get adequate remuneration of their produce. Due to this, there is a consistent demand from the fruit growers for providing them marketing support. Consequently, it has become necessary that the growers be given Government support for pre and post-harvesting handling of horticultural produce for better realization and save the growers from exploitation by the middlemen. In order to help the growers, the Govt. of India introduced 'Market intervention scheme for fruits' during 1990-91 for providing marketing support to the grape/innow/malta growers. Punjab Agro. Industries Corporation is the nodal agency in the State to implement this scheme in collaboration with NAFED through procurement of the produce directly from the growers at minimum support price and sell the same in the outside terminal markets. The losses, if any, are to be shared on 50 : 50 basis between the State Government and Govt. of India. An amount of Rs. 50.00 lakh has been allocated in the Annual Plan, 1992-93 under the scheme for the purpose.

#### Remote Sensing Application Centre

2.37 The scheme 'Setting up of Remote Sensing Application Centre in the State' was included in the 7th Five Year Plan mainly to map and monitor natural resources for agricultural planning. This Centre is likely to play a pivotal role in the development of agriculture sector of this State through performance of the following functions :—

- (i) To undertake, promote, guide, coordinate and aid research and development in the field of remote sensing ;
- (ii) To provide consultancy services and arrange airborne survey facilities to user agencies on actual cost basis ;
- (iii) To carry out surveys for monitoring and assessment of the entire gamut of natural resources sectors using remote sensing techniques ;
- (iv) To carry out special temporal surveys to monitor changing land use and soil patterns, environmental changes, irrigation systems, forest resources, agriculture resources, crop disease surveillance and ground water resources ;
- (v) To develop efficient data acquisition and retrieval system and to act as repository (Data Bank) of various natural resources data ;
- (vi) To act as a nodal organisation in the State advising the user agencies, to disseminate the remote sensing technology at operational levels and to assist the user agencies in the formulation and execution of the projects ;
- (vii) To provide research and developmental support to the teaching and research organisations of the State in specified areas of remote sensing technology ;

- (viii) To carry out field investigations connected with remote sensing activities ;
- (ix) To organise training facilities, lectures, seminars and symposia for advanced study and research in remote sensing technology and its applications ;
- (x) To cooperate and collaborate with other national and overseas institutions and international organisations in the field of remote sensing and allied disciplines ; and
- (xi) To bring awareness amongst the planners and decision makers regarding the role of remote sensing in efficient management of natural resources at the State level.

2.38 The Centre, apart from its monitoring/mapping contents can also prove useful in ascertaining the extent of damage due to floods, droughts and other natural calamities. In addition, the Centre would also render services to various Government departments especially Agriculture, Soil Conservation, Forest, Irrigation and Flood Control, Town and Country Planning etc. Keeping in view the galloping significance of the remote sensing technology in the agricultural sphere, it has been envisaged to keep an outlay of Rs. 100.00 lakh for the scheme for Annual Plan 1992-93 to enable the Centre create complete infrastructural facilities including building, staff and equipment.

#### Punjab State Seeds Corporation

2.39 Keeping in view the key position of the seed input in the development of agriculture sector, Punjab State Seeds Corporation was set-up in 1976 with the assistance of World Bank. The significance of certified seed of diverse varieties of cereals/commercial/fruit and vegetable crops has further gone up these days in view of the crying need of diversification of area from the traditional wheat-paddy rotation to the high value crops like oilseeds, pulses, sugarcane, cotton, vegetables and fruits etc. The production of adequate quantity of improved/good quality seeds is indispensable for the agriculturally advanced State to keep-up its tempo of agricultural development. The Seed Corporation was created with authorised share capital of Rs. 5.00 crore divided into 3.75 lakh equity shares of Rs. 100.00 each and Rs. 1.25 lakh preference shares of Rs. 100.00 each. The pattern of subscription towards authorised share capital is as under :—

(i) Punjab Government	35 %
(ii) National Seeds Corporation	30 %
(iii) Growers' share	35 %

2.40 Out of initial share capital of Rs. 5.00 crore, an amount of Rs. 480.63 lakh has already been subscribed upto 1987-88, but since then, no amount has been provided to PUNSEED due to its failure to work as a viable entity. Keeping in view the significance of seed production programme in the agricultural development of Punjab, it has been planned to continue this programme in the Annual Plan 1992-93 at a cost of Rs. 50.00 lakh to contribute the state share.

### Punjab Agro Industries Corporation :

2.41 The Corporation was set-up in 1966 for performance of dual functions i. e. to act as a premier organisation for marketing of quality inputs and for establishing agro industrial units in the assisted/joint /public sector in the State. Upto 1979-80, the PAIC concentrated its activities on the marketing of inputs including custom services for harvesting of crops apart from manufacturing agricultural implements, grain storage bins, and bio-gas plants. Thereafter, it diverted its emphasis on the second and most important function of promoting the agro based industrial units in the areas of food/fruit and agro processing and chemical agro residues utilisation and renewable energy etc. During the span of a decade, the Corporation has been able to successfully implement the following projects :—

#### A. Wholly owned subsidiaries :

1. Kisan Agro Mini Sugar Mills Limited, Changaliwala, District Sangrur (December, 1981).
2. Punjab Agro Rice-bran Extractions Ltd., Guru-Harsahai, District Ferozepur; (April, 1984).
3. HDPE Women Sacks Manufacturing Plant, Rajpura. (February, 1978).

#### B. Joint Sector :

1. Malwa Cotton Seed Products Ltd., Doomwali, District Bhatinda; (February, 1983).
2. Agro Foods Punjab Limited District Ferozepur (October, 1984).
3. Punjab Energy Devices Ltd., Malerkotla, District Sangrur; (June, 1985).
4. Sunbeam Agro Chemicals Ltd., Punjab, Ludhiana; (January, 1987).
5. Agro Chem Punjab Ltd., Singhpura, District Patiala (December, 1986).
6. Agro Tech. India Ltd., (1989-90).
7. Pepsico Foods (P) Limited. (February/May, 1990)
8. Agro Boards Ltd. (Duplex Board) (October, 1990).

#### C. Assisted Sector :

1. Montari Industries Ltd., Taonsa, District Hoshiarpur; (January, 1987).

Out of the above mentioned projects, the Corporation has disinvested the following projects:—

- (i) Punjab Agro Rice-bran Extractions Ltd. (September, 1985).
- (ii) Malwa Cotton Seed Products; (January, 1988).
- (iii) Kisan Agro Mini Sugar Mills Ltd. (1990).

2.42 High priority was accorded to the projects/activities of the Punjab Agro Industries Corporation during 7th Plan which is evident from the fact that a huge amount of Rs. 2,740.62 lakh was invested on various projects as the State/PAIC share. The PAIC utilised an amount of Rs. 347.61 lakh out of Rs. 1452.75 lakh released as state share capital during 1990-91. A provision of Rs. 2052.75 lakhs was made in the Annual Plan 1991-92. Emphasis on the fruit/food/agro processing units was in line with the policy of diversification especially towards encouraging the cultivation of fruits and vegetables, oilseeds etc. from the cereal crops like wheat and paddy. It was with this end in view that some prestigious projects, like Pepsico and Bagasse based newsprint/fine paper were undertaken at a huge cost which are likely to prove a boon for the agriculturally surplus Punjab State. Though Pepsico Project has already gone on stream, no worthwhile progress in the implementation of Bagasse based newsprint/fine paper project has been made so far because of certain technical/operational problems. The programme for development of agro based industry would receive added impetus during Annual Plan 1992-93 for which an amount of Rs. 1000.00 lakh (The net amount available would, however, be about Rs. 1700.00 lakh including unutilised amount of previous years) has been provided for the completion of ongoing projects and undertaking of certain new projects including spinning mills, industrial alcohol and down stream products, bio-pesticides, edible rice bran oil, meat processing project, frozen foods and vegetables project, 100% export oriented floriculture, grape spread & by products, kinnow/malta processing projects and integrated oilseeds and edible oil complex etc.

2.43 The amount released to and utilised by the corporation during 7th Plan and Annual Plan, 1990-91 as equity for various projects is indicated in the table given below:—

TABLE NO. 2.6—PROJECTS UNDERTAKEN/ TO BE UNDERTAKEN BY THE

Sr. No	Name of the Project	Annual capacity	Year of Start	Latest cost estimates			Name of the collaborator	Extent of participation by PAIC
				Cost	Equity	Debt		
1	2	3	4	5	6	7	8	9
<b>(A) Horticulture and Foods</b>								
<b>(i) Implemented Projects</b>								
1	Agro Foods Punjab Limited	5 TP H malta, orange 2.5 TPH tomato/mango	1987 (Phase-II)	450.00	280.00	170.00	M/s Voltas Ltd., Bombay	50%
<b>(ii) Projects under Implementaton</b>								
2	Promotion of decentralised processing (Nijjer Agro)	5000 TPA fruit/juice conc. pulp	1987	1151.00 (Revised)	429.00	722.00	Sh. Wassan Singh Nijjar, Amritsar	26%
3	Promotion of Floriculture	N A	1986	100.00 (Revised)	100.00	—	..	100%
4	Promoton of Horticulture	N A.	—	100.00	100.00	—	N. A.	100%
5	Integrated Large Scale Food and Beverage (Pepsico)	80000 Mts. of fruits & vegetables, 30,000 Mts. of potato and grain, soft drink concentrate, Agro research centre	1987	6850.00	2500.00	4300.00 Subsidy 50.00	Pepsico Inc. of U. S. A. & TATA S.	36.11%
6	Potato/Grain based snack foods	1440 TPA snacks and cereals	1988	400.00 (Revised)	150.00	250.00	Sh. K. S. Bajwa, Chandigarh	50%
<b>New Projects :</b>								
7	Grape Processing	15 lac litres per annum of wine	1990-91	350.00	120.00	230.00	Sh. Sikander Singh, Patiala	50%
8	Agro Poultry complex	DOB chicks 50 lakh of 40,000 Parent (Birds)	1990-91	307.00	111.62	195.38	Mr. Rajan Mittal of Rajpura	10%
9	Honey Processing	400 TPA of honey	1990-91	150.00 (Revised)	54.54	95.46	Mr. P. Satwant Singh, Jalandhar	50%
10	Processing of Spices	Product mix and capacity yet to be finalised	1992-93	100.00	36.00	64.00	Yet to be finalised	50%
11	Chocolate	3000 TPA of Chocolate	1990-91	353.00	128.00	225.00	Ditto	50%
<b>(B) Agro Processing and Chemical-Implemented Projects</b>								
12	Single Superphosphate (Agro Chem. Pb. Ltd.)	66000 TPA -SSP 33,000 TPA-Sulphuric Acid	September, 1984	823.25	341.25	482.00	M/s K. S. Dhillon and Associates, Chandigarh	19.92%
13	Agro Chemicals Complex (Montari Industries Ltd.)	500 TPA Put-a chlor-450 TPA Isoproturon	December, 1984	780.00	285.00	495.00	M/s Ranbaxy Ltd. New Delhi	15% (3.15%)
14	Pesticides Formulation Unit (Sunbeam Agro Chemicals Pb. Ltd.)	540 TPA of Technical material	1984	10.00	10.00	—	Mr. P. S. Chaudhry and Mr. Anil Arora	50%
15	Fuel briquetting (Punjab Energy Devices Ltd.)	3 TPM	1984	65.94	22.94	43.00	R. N. Gupta and Company	50%
16	Malwa Cotton Seed Products	100 TPD of Cotton Seed	1980-81	190.50 (Revised)	96.16	94.34	PSIDC	50%

## PUNJAB AGRO INDUSTRIES CORPORATION LIMITED

(Rs. in lakhs)

Equity to be provided by State Govt. (PAIC)	Actual utilisation (1985-90)	Amount released (1990-91)	Date of Commissioning		Employment potential		Present status
			Actual	Proposed	Direct	Indirect	
10	11	12	13	14	15	16	17
140.00	140.00	—	89	—	60	400	Project completed in September, 89
111.00	47.16	63.84	May, 1991	—	60	500	Project commissioned
100.00	2.00	10.00	—	—	—	—	Continuing activity
100.00	3.50	10.00	—	—	—	—	Continuing activity
902.75	902.75	—	Feb., May, 1990	—	200	2000	Project completed in Feb./May 1990
75.00	9.66	—	—	1991	47	150	Being revised
60.00	—	10.00	—	1993-94	100	500	I. L. applied for. MOU signed
11.16	—	11.16	—	1991	90	500	DGTD obtained, site identified, FC signed, Co. incorporated, Project report prepared and loan being raised.
27.27	—	27.25	—	1992-93	100	500	DGTD obtained, MOU Signed, Loan application filed
18.00	—	—	—	1992-93	40	200	MOI Yet to be applied, MOU Signed
64.00	—	10.00	—	1993-94	50	150	DGTD obtained
68.00	68.00	—	Dec., 1986	—	190	500	Project commissioned in December, 1986.
9.00	9.00	—	Jan., 1987	—	60	200	Project Commissioned in January, 1987.
5.00	2.00	—	Sept., 1985 (Phase-1)	—	51	100	Project completed
11.47	6.54	—	June, 85 (Phase-I)	—	20	60	Project completed
48.08	8.40	—	Feb., 1983	—	125	100	Project Commissioned in February, 1983



Sr. No.	Name of the Project	Annual capacity	Year of start	Latest cost estimates			Name of the collaborator	Extent of participation by PAIC
				Cost	Equity	Debt		
1	2	3	4	5	6	7	8	9
17	Roller Flour Mill	50 TPD	1990-91	110.00	40.00	70.00	M/s Grewal & Associates	10%
18	Integrated Paddy Processing (Agro Tech. India Ltd.)	60 TPH Rice Mill 100 TPD Rice Bran solvent 25 TPD Oil refinery, 200 TPD cattle feed, 1 MW power, 100 TPD Banaspati Ghee Unit	1987	4745.00 (Revised)	1698.00 15.00 Subsidy 65.00 Internal cash accruals	2967.00	K. S. Dhillon & Associates	26%
19	Integrated potato marketing and processing (Potable alcohol from damaged grain & potato)	54 lac Its, p. a.	1988	1800.00	709.00	1091.00	U. B. Group, Bangalore	10%
20	Ribo flavin maize fermentation	25 TPD of Maize	1987	632.00	217.00	415.00	M/s Sukhjit Starch. Phagwara	26%
21	Manufacturing and Marketing of Bio-fertilizers	75 TPA of Rhizobium	1988	24.35	4.13 GOI 11.83 15.96	8.39	N. A.	100%
22	Citric Acid from molasses	3000 TPA	1992-93	2370.00	800.00	1570.00	Yet to be finalised	26%
23	Agro based Gasifier	N. A.	1988	15.00	2.00	13.00	—	100%
24	Bagasse based newsprint/ fine paper project (Pb. Agro Newsprint Ltd.)	66,000 TPA newsprint and P & W paper	1987	30500.00 (proposed to be revised)	10167.00	20333.00	Public Sector	12.5% of project cost
25	Duplex Board	30 TPD Duplex Board	1988	492.00	157.00 Subsidy 15.00	320.00	M/s Rana Gurjit Singh & Associates, Bajpur (U.P.)	10%
26	Drug Intermediates and Essential oils from medicinal and aromatic plants	1000 TPA in terms of raw material	1991-92	50.00	18.00	32.00	Yet to be finalized	50%
27	Precipitated silica from Rice Husk ash	300 TPA	1990-91	40.00	14.00	26.00	Mr. Harish Kumar Nayar of Amritsar	50%
28	Sugar Mill, Mukerian (Hoshiarpur)	2,500 TCD of Sugarcane	1990-91	3000.00	1000.00	490.00	M/s Mukerian Paper Ltd. Public issue Term loan 2000.00	26%
29	Edible grade Galletine from animal bones	1000 TPA edible grade	1990-91	620.00	220.00	400.00	Yet to be finalised	50%
30	Integrated pesticides complex	750 TPA organic phosphorus Insecticides	1990-91	1150.00	430.00	720.00	Mr. Madhu Sudap Sharda of Bhatinda and Mr. Viney Somani, Bombay	26%
31	Expenses for Projects under investigation	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.	N. A.
32	Development of Horticulture and Marketing	—	—	—	—	—	—	—
Total								

(Rs. in lakhs)

Equity to be provided by State Govt. (PAIC)	Actual Utilization (1985-90)	Amount released (1990-91)	Date of commissioning		Employment potential		Present status
			Actual	Proposed	Direct	Indirect	
10	11	12	13	14	15	16	17
4.00	—	4.00	—	1991-92	—	—	SIA and IL obtained
442.00	442.00	—	1989-90	—	800	4000	Project commissioned
70.90	4.78	20.72	—	1992-93	275	1000	I. L. applied, F. C. Signed
56.42	5.00	—	—	—	80	200	L. O. I. obtained, F. C. Signed, Technology is being finalised.
4.13	0.24	—	—	1991-92	32	—	TEFR prepared, grant-in-aid received from G. O. I.
208.00	—	—	—	1994-95	300	1000	I. L. applied for
2.00	2.00	—	March, 1988	—	—	—	Project commissioned in March, 1988
3812.00	973.00	873.78	—	1994-95	1100	10000	I. L. obtained, Co-incorporated, Site approved by CSA & SIA. Admn. approval obtained for power and water, Loan being raised; Efforts are being made to set up the project in Joint/Assisted sector
15.70	17.00	—	Oct., 1990	—	165	800	Project completed
9.00	—	—	—	1992-93	30	100	MOI yet to be applied, Technology being finalised, collaborator selected
7.00	—	7.00	—	1991-92	30	100	Licence obtained, F. C. signed
260.00	—	260.00	Jan., 1992	1991	600	1200	Production started in Jan., 1992.
110.00	—	20.00	—	1993-94	65	300	S. I. A. obtained, Technology being finalised, collaborator selected, PAB approval obtained
112.00	—	100.00	—	1992-93	100	3000	I. L. obtained, F. C. Signed, site selection made, C. I. B. registration obtained, loan being raised
—	87.59	25.00	N. A.	N. A.	N. A.	N. A.	—
—	10.00	—	N. A.	N. A.	N. A.	N. A.	—
—	2740.62	1452.75	—	—	4770	27560	

**Regional Rural Banks :**

2.44 The programme for providing share capital to regional rural banks was included in the 7th Plan at a cost of Rs. 11.25 lakh for setting up of Gramin Kashetriya Banks in the State with the object to develop rural economy through providing credit facilities to small/marginal farmers, agricultural labourers, artisans and small entrepreneurs in rural areas for the ultimate promotion of production activities in the field of agriculture, trade, commerce and industry etc. The share capital contribution is provided by the Government of India, State Government and Sponsoring Bank in the ratio of 35:15:50, respectively. Share capital to the extent of Rs. 26.25 lakh has been actually contributed as the State share during the 7th Plan. The scheme has been continued with the token provision during 1990-91 and 1991-92. It has been planned to continue the scheme and make a provision of Rs. 7.50 lakh for Annual Plan 1992-93.

**District Plan Schemes —Crop Husbandry**

2.45 Apart from the above mentioned State level schemes/programmes, it has been planned to implement the following schemes/programmes of Crop Husbandry sector during 1992-93 under the District Plan :—

**Soil Testing Infrastructure :**

2.46 The scheme 'Soil testing labs.' mainly stands for detecting the deficient nutrients in the soil through testing of the soil samples free of cost and thus, economising the use of costly input-fertilizer. At present there are 47 soil testing labs. in the State out of which 26 i.e. 23 stationary and 3 mobile, remained on the plan side till 1989-90 but were transferred to the non plan with effect from 1990-91. In pursuant to the policy of providing one lab. per pair of blocks, 3 new labs. were sanctioned during 1990-91 for Amritsar, Jalandhar and Hoshiarpur Districts and three more labs. were taken up during the 1991-92 at Sunam, Sultanpur Lodhi and Muktsar. 3 more labs. will be added during the Annual Plan 1992-93. For this scheme an amount of Rs. 41.00 lakh has been provided for the Annual Plan 1992-93, the break-up of which is given as under :—

(Rs. in lakh)

Item	Outlay
	1992-93
Stores and Equipment	12.00
Material and Supply	2.00
Civil Works	21.00
Others	6.00
<b>Total</b>	<b>41.00</b>

**Plant Protection**

2.47 One of the major schemes of plant protection sector is the intensification of plant protection works which envisages provision of insecticides/pesticides etc. to the farming community free of cost to fight certain epidemics/crop pests & diseases on community campaign basis. The important of these campaigns is the rat killing campaign. It has been planned to keep Rs. 25.00 lakhs to continue this scheme during Annual Plan 1992-93.

**Assistance to Small and Marginal Farmers :**

2.48 The scheme 'Assistance to small/marginal farmers on IRD pattern' which was running on 50 : 50 basis between Government of India and State Government till Seventh Plan aims at benefiting small/marginal farmers mainly through providing 25% to 33½% subsidy for installation of new shallow tubewells and provision of mini-kits of oilseeds and pulses at a nominal rate of Re. 1 per mini-kit. Under this scheme which is a 100% State scheme with effect from 1990-91, 2300 tubewells will be installed/replaced and 38160 seed mini-kits will be distributed during 1992-93. To continue this programme in Annual Plan 1992-93, it has been planned to provide Rs. 135.00 lakhs as per details given below under agriculture component :—

(Rs. in lakhs)

Item	Outlay
	1992-93
Minor Irrigation	105.50
Seed Mini-kits (Pulses and Oilseeds)	29.50
<b>Total</b>	<b>135.00</b>

**Development of Horticulture and Vegetables :**

2.49 The major object of the main development scheme of the Horticulture Department i.e. 'Development of horticulture in the State including development of horticulture in border areas for rehabilitation of misguided youth' is to bring an additional area of 4,000 hectares under fruit plantation in Annual Plan 1992-93 through providing incentives to the small/marginal farmers and strengthening of nursery production. To encourage small and marginal farmers

for fruit cultivation in the State, subsidy would be provided as under :—

Category	Unit cost per hect.	Subsidy admissible
(i) For all Scheduled Caste farmers and non-scheduled castes in border area	(a) Grape 1,37,000 (b) Other fruits 25,000	15% of the unit cost subject to a maximum of Rs.15,000 per beneficiary
(ii) For non-scheduled castes in other areas of the State	(a) Grape 1,37,000 (b) Other fruits 25,000	10% of the unit cost subject to a maximum of Rs. 10,000 per beneficiary

multiply the vegetable seed including potato as the seed plays a key role in the production of a crop. At present, there are 8 Government owned seed farms in the State and it has been planned to increase the production of seed potato at these farms from 20,000 quintals to 30,000 quintals in the Annual Plan 1992-93. Similarly, the production of other vegetable seed both winter and summer will be increased from 250 quintals to 300 quintals during the Annual Plan 1992-93. Besides, this scheme has another component to extend the area under onions through incentives like 50% subsidy on seed and laying of demonstration plots etc. For the welfare of Rai Sikhs of Ferozepur district settled along international border in the Sutlej river belt, incentives would be provided in the form of subsidy @ 15% of the unit cost per hectare subject to a maximum of Rs. 15,000 for vegetable cultivation. For this scheme an outlay of Rs. 38.00 lakh has been provided for Annual Plan 1992-93 as per details given below :—

(Rs. in lakhs)

2.50. Besides this programme, there is another component to develop fruit plantation including vegetables along the 16 Km. belt of border areas of Ferozepur, Gurdaspur and Amritsar Districts for the rehabilitation of 200 misguided youth during 1992-93. An amount of Rs. 150.00 lakhs has been set apart for this scheme for Annual Plan 1992-93 as per expenditure details given below :—

(Rs. in lakhs)

Item	Outlay 1992-93
1	2
1. Wages/Salary ..	15.00
2. Office Expenses ..	2.00
3. Rent, Rate and Taxes ..	4.00
4. Motor Vehicle ..	8.00
5. P.O.L. ..	10.00
6. Subsidies ..	71.00
7. Machinery and Equipment	5.00
8. Material and Supply ..	20.00
9. Other Charges ..	5.00
10. Minor Works ..	10.00
Total ..	150.00

Item	Outlay 1992-93
1	2
1. Wages ..	5.00
2. Office expenses ..	0.50
3. Machinery and Equipment	10.00
4. P.O.L. ..	4.00
5. Material and Supplies ..	10.00
6. Subsidies ..	2.50
7. Other Charges .. (Cost of demonstration plot)	1.00
8. Minor Works ..	5.00
Total ..	38.00

2.51. Another notable programme of the Department of Horticulture is to produce and

2.52. The scheme 'Demonstration-cum-Fruit-Preservation Laboratories and Community Canning Centres,' aims at training and educating the fruit growers/public in latest techniques for the preservation and preparation of various products like squashes, jams, jellies and other canned products from fruits and vegetables. In addition to 3 fruit preservation

labs. running at Hoshiarpur, Abohar and Patiala, 2 community canning centres at Jalandhar and Amritsar have also been converted into labs. In these labs, besides imparting training to 10,000 persons in the fruit preservation, 60,000 kgs. fruits will be processed into various fruit products during 1992-93. It has been envisaged to keep Rs. 17.00 lakhs under this scheme for Annual Plan 1992-93 as per details given below :—

(Rs. in lakhs)

Item	Outlay	
	1992-93	
Wages ..	2.00	
Office expenses ..	0.10	
R.R.T. ..	0.50	
Machinery and Equipment ..	1.00	
Minor Works ..	1.00	
Other Charges ..	12.40	
<b>Total ..</b>	<b>17.00</b>	

#### Rainfed Horticulture

2.53 The sub-montane area of Pathankot tehsil including Dhar block is suitable for commercial horticulture. This area is suitable for growing citrus, guava, mango, amla, anar etc. But due to deficient irrigation facilities it lags behind to receive its due. However, topography of this region is unsuitable for cereal crops. Keeping this in view, the scheme for planting fruit plants on uneven land as rainfed is to be continued in Annual Plan 1992-93. Under this scheme subsidy @ 15% subject to a maximum of Rs. 15,000 on the cost of planting one hectare of orchard to scheduled castes and in border area and @ 10% (maximum 10,000) of total cost to other farmers will be provided. An area of 100 hectares will be brought under rainfed horticulture during the Annual Plan 1992-93. An outlay of Rs. 5.00 lakh has been allocated under this scheme for Annual Plan 1992-93, mainly for incentives.

#### Bee-keeping

2.54 The scheme aims at popularising bee-keeping industry especially amongst small/marginal farmers which constitute the lowest strata of farming community. Two sorts of concessions are provided to the beneficiaries of this scheme i.e. training course of six to eight days in bee-keeping techniques to the farmers interested in setting up of bee-keeping units in the demonstration-cum-production centres all over

the State and provision of subsidy @ 50% to the small/marginal farmers, landless labourers and scheduled castes beneficiaries for purchase of bee boxes, bee colonies and honey extractors etc. subject to a maximum of Rs. 250 per unit and upto 5 units per beneficiary. This scheme would go a long way to expedite the diversification process of agricultural sector. At present, the scheme is functioning in all districts of the State. This programme would continue during Annual Plan 1992-93 at a cost of Rs. 30.00 lakhs as per expenditure details given below :—

(Rs. in lakhs)

Item	Outlay	
	1992-93	
Subsidies		15.00
Material and Supplies ..		12.00
Others		3.00
<b>Total</b>		<b>30.00</b>

#### Storage and Warehousing :

2.55 Punjab State Warehousing Corporation was reconstituted under section 10 of the Warehousing Corporation Act, 1962 on 1st November, 1967 mainly to provide scientific storage for foodgrains and fertilizer in the State. Its entire authorised capital of Rs. 8.00 crore stands paid up-till 1989-90. At present, the Punjab Warehousing Corporation has a total capacity of 23.98 lakh tonnes including 9.31 lakh tonnes of hired capacity. Out of it, the Corporation's utilised capacity is 19.87 lakhs tonnes. It has been planned to continue this programme during Annual Plan 1992-93 with a token provision.

#### Agricultural Research, Education and Training—PAU, Ludhiana :

2.56 The Punjab Agricultural University has made an outstanding contribution in the agricultural research, extension and teaching since its establishment in 1962 which has led to a total transformation of subsistence agricultural economy into a surplus economy. Within three decades, the productivity of wheat increased from 1244 kg/ha in 1960-61 to 3733 kg/ha and rice from 1069 kg/ha to 3506 kg/ha during 1990-91. Although Punjab is a small State but still vast difference in productivity of crops exists from district to district and block to block. The development of agro-technology by the PAU, its transfer and implementation by developmental agencies and adoption by the Punjab peasantry has, however, led to the over-exploitation of agricultural resources, ecological imbalances and new problems and challenges.

2.57 The past investments in agricultural research, education and extension have paid rich dividends. During the Seventh Five Year Plan alone, research efforts of the University has resulted in 217 new recommendations, out of which 60 are the new varieties of field and vegetable crops and 152 pertain to efficient crop, soil, water, fertilizer and pest management practices which have revolutionised agricultural production scenario in the State. In order to increase the agricultural production in the State in future, it is imperative to further strengthen agricultural research, education and extension infrastructure in the State.

2.58 The major thrust of agricultural research will be on developing improved technology for diversification in agriculture through increased productivity of pulses, soyabean, oilseeds, vegetables, fruit plants and farm forestry; development of cost effective appropriate post harvest technology packages; increased emphasis on integrated/biological/organic methods of pest and weed control, nutrient management, enhanced efficiency of input utilization; development of sustainable agricultural production systems and employment generation.

In the crop improvement research, major emphasis will be laid on the development of hybrids of various field and vegetable crops viz. sunflower, Brassicas, rice cotton, maize, muskmelon, tomato etc. Emphasis will also be laid on developing appropriate technology for seed production and cultivation of hybrids. Efforts will be made to develop high yielding durum wheat varieties which combine resistance to karnal bunt and loose smut with superior grain quality and suitability for various processed products of export potential.

In biotechnology, major thrust areas will include incorporation of desirable characters from related wild species/general into cultivated crops through wide crosses and recombinant DNA technology.

To reduce magnitude of annual water deficit, water management research will focus on efficient utilization of residual moisture in soil, minimising run off losses, enhancing recharge of ground water aquifer and maximising production per unit of water consumed.

Research on biological and integrated pest management and use of organic manures in conjunction with chemical fertilizers will be strengthened. Linkage with Remote Sensing Centre will be strengthened for accurate assessment of crop acreage, yield forecasting and availability and utilization of natural resources.

Research on post-harvest technology for manufacturing value added products and enhancing the shelf life of perishable food and vegetables will be strengthened.

It is proposed to strengthen research capabilities of a net work of regional research stations for carrying out location specific research at the station.

The development of small farm and power machinery required for the production of field crops, vegetables and fruit plants, will be intensified to bring about precision in the farming techniques and to reduce the cost of production.

2.59 The Punjab Agricultural University has played a key role in imparting comprehensive undergraduate and post-graduate education in agriculture, veterinary sciences and animal husbandry, agricultural engineering and home science. At present, the University offers B. Sc. (Agri) Hons., B. Tech (Agri. Engg.), B.V.Sc., & A. H and B.Sc. (Home Science) degrees at Bachelor's level. Master's programmes are offered in 54 disciplines and Doctorate programme in 41 disciplines of agriculture and allied fields. During the Annual Plan, it has been planned to lay more emphasis on biotechnology, post-harvest technology, natural resource management etc.

2.60 Extension education programmes of the University have been instrumental in effective transfer of technology to the farmers and the State functionaries. These activities need to be further strengthened.

2.61 During the 7th Plan, PAU was provided Rs. 1480.83 lakhs as grant-in-aid for carrying out its various programmes of Crop Husbandry sector. An amount of Rs. 221.73 lakhs was released to the PAU during 1990-91 for agricultural research, education and extension programmes. A provision of Rs. 400.00 lakhs was made during 1991-92. An amount of Rs. 550.00 lakhs has been provided in the Annual Plan, 1992-93 for the PAU to go ahead with its agricultural research, extension and training programmes.

#### Investment in Agricultural Financial Institutions :

2.62 Under this debenture oriented programme, an amount of Rs. 1857.00 lakhs (95.48%) was actually spent against an allocation of 1945.00 lakhs during the 7th Plan. With the utilisation of this state share, the Punjab State Cooperative Agricultural Development Bank was able to advance financial assistance (loans) worth Rs. 294.41 crore in collaboration with the NABARD and the Govt. of India to the farmers under different debenture oriented self employment schemes with the help of which 17,527 tubewells were installed, 6955 tractors purchased, 49,992 dairy units and 8005 poultry, piggery etc. units were set up apart from excavation of 813 fish ponds during the 7th Plan period.

2.63 During 1990-91, an amount of Rs. 454.00 lakh was utilised on multifarious debenture oriented programmes with the help of which the Punjab State Cooperative Agricultural Development Bank was able to advance loans worth Rs. 58.09 crore for installation of 1342 tubewells, purchase of 1363 tractors, establishment of 5408 dairy units, 1364 poultry, piggery, sheep breeding etc. units and 93 fish ponds. An amount of Rs. 550.00 lakhs was provided in the Annual Plan 1991-92 with the target of advancing loans to the tune of 8600.00 lakhs to finance 4500 tubewells, 3000 tractors, 9500 dairy units, 2400 poultry, piggery, sheep breeding etc. units and 300 fish ponds.

2.64 It has been envisaged to continue the loaning programme with a view to supplement the growing credit requirements of the agriculture sector by advancing timely loans for various purposes during the Annual Plan 1992-93 to make available institutional finance to the farmers under different schemes including programmes of self employment nature like dairy, poultry, fishery etc. Under this programme, the Punjab State Cooperative Agricultural Development Bank raises the required finance by floating debentures in varying percentages for diverse purposes in collaboration with the NABARD and Government of India. For this purpose an outlay of Rs. 632.00 lakh has been provided to enable the Bank advance loans worth Rs. 95.00 crore during the Annual Plan 1992-93 under



different schemes. Details of agricultural credit to be advanced during Annual Plan are given in the table 2.7 indicated below :

Table No. 2.7—Agricultural Credit to be provided during 1992-93

(Rs. in lakhs)

Serial No.	Name of the scheme	Physical targets	Loans to be advanced	Debentures to be floated	Contribution by		
					NABARD	State Govt.	Govt. of India
<b>Support to Ordinary and special Debentures</b>							
(i)	Agriculture Department	4500 Tubewells	2500	2500	2250.00	125.00	125.00
(ii)	Soil Conservation Deptt.	14000 Acres	700	700	616.00	42.00	42.00
(iii)	Purchase of debentures of S.C.L.M.B. for purchase of tractors and agricultural implements	2000 Tractors	2000	2000	1500.00	250.00	250.00
(iv)	Grant of loans for fruit plantation-debenture support for horticulture	5000 Hect.	500	500	450.00	25.00	25.00
(v)	Gobar Gas Plants-debenture support	500	50	50	45.00	2.50	2.50
(vi)	Dairy Development	10739 Units	2600	2600	2340.00	130.00	130.00
(vii)	Poultry, Piggery, Sheep Rearing, Cattle feed processing units and camel cart, etc.	2700 Unit	900	900	810.00	45.00	45.00
(viii)	Fish Culture	450 Ponds	150	150	135.00	7.50	7.50
(ix)	Farm Forestry	1000 Hectares	100	100	90.00	5.00	5.00
Total			9500	9500	8236.00	632.00	632.00

#### Agriculture Marketing and Quality Control :

2.65 Against an allocation of Rs. 26.75 lakh, an amount of Rs. 15.71 lakh (58.73%) was spent during the 7th Plan on the only staff oriented scheme 'Grading of foodgrains & oilseeds in regulated markets of the State'. The shortfall is mainly attributed to saving in the staff component consequent upon vacant posts during the period. During 1990-91, an amount of Rs. 6.43 lakh was utilised against the revised outlay of Rs. 7.25 lakh. In addition to this on going scheme, a new scheme for setting up of agricultural marketing and intelligence wing to strengthen the marketing infrastructure and to ensure exploitation-free market conditions to the farmers was incorporated at a total cost of Rs. 5.00 lakhs during 1991-92. An allocation of Rs. 13.00 lakh has been made under the sub-head 'Marketing and Quality Control' for the year 1991-92. It was envisaged to continue the on-going programmes for the development of marketing in the State and allocate 15.20 lakh in the Annual Plan 1992-93 under the Sub-head 'Marketing and Quality Control'.

2.66 The scheme 'Grading of foodgrains & oilseeds in regulated markets' is in operation on 5:95 sharing basis between the State Government and Agricultural Marketing Board. The scheme operates in 143 regulated markets. The main object of this scheme is efficient movement and disposal of foodgrains and oilseeds and thereby removing the commercial bottlenecks. Under the scheme, both the farmers as well as consumers are educated through publicity about the current prices to remove the exploitation at the hands of middlemen. Against

an approved outlay of Rs. 8.00 lakhs for 1991-92, an enhanced amount of Rs. 9.50 lakhs has been provided to meet the 5% state share during 1992-93.

2.67 In view of manifold increase in agricultural production of the State, there is a need to create/strengthen marketing infrastructure to ensure exploitation free market conditions to the farmers. Accordingly a scheme for setting up of agricultural marketing, intelligence and analysis wing was included in the Annual Plan 1991-92 for the creation of intelligence and analysis wing to identify marketing problems through studies/surveys at a fixed interval of time. Besides, the collection of marketing information from about 30 centres would be expedited through provision of telex facilities. An amount of Rs. 5.70 lakhs has been provided under the scheme for Annual Plan 1992-93.

#### Land Reclamation and Development :

2.68 In Punjab, an area of 6.98 lakh hectares was affected with alkalinity/salinity of the soil which includes 2.35 lakh hectare seriously affected and 4.63 lakhs marginally or moderately affected. Out of the total 6.98 lakh hectare, about 3.53 lakh hectare had been reclaimed up to 1989-90 and another 0.21 lakh hectare was reclaimed in 1990-91. During Annual Plan 1991-92, 34,133 hectares was targeted to be reclaimed with the application of 161.638 MTs. of gypsum. Under the programme, gypsum, the main ingredient is supplied to the farmers @75% subsidy. The procurement and distribution of gypsum is handled by the Punjab Land Development and Reclamation Corporation.

2.69 At present, two schemes are in operation under this programme including 50 : 50 sharing centrally sponsored scheme between State Government and Government of India. The entire staff under the State Plan scheme has been transferred to the non-plan side with effect from 1990-91 while subsidy portion is to be funded on the plan side. An amount of Rs. 325.00 lakh has been provided to continue this programme during the Annual Plan 1992-93. Under this programme, it has been targetted to reclaim 13260 hectares during the Annual Plan 1992-93. The physical profile of this project is indicated as under :—

Table No. 2.8—Land Reclamation in Punjab

Sr. No.	Yield	Area reclaimed (hectares)	Subsidy provided (Rs. in Lakhs)	Gypsum distributed (000' tonnes)
1	1985-86	29,155	398.78	194.29
2	1986-87	17,180	340.75	120.30
3	1987-88	21,396	324.29	149.77
4	1988-89	26,680	562.50	188.00
5	1989-90	29,054	653.12	229.00
6	1990-91	21,323	604.87	122.53
7	1991-92	15,736	768.00	161.64
8	Target 1992-93	13,260	440.00	92.95

#### Soil Conservation

2.70 Out of the total geographical area of 50.33 lakh hectares of the State, 42.33 lakh hectares are under agricultural use and there is very little scope for further development of land resources to increase the production. Thus, various soil conservation measures like land development, water harvesting technology, water management, conservation irrigation, field drainage, improvement of handicapped area, utilisation of sullage water, improvement of sub-soiling etc. are essential to obtain maximum return from the limited and highly valuable material resource i.e. land for sustaining the agricultural production/productivity. These will further ensure employment to the rural masses particularly the weaker section of the society.

2.71 Expenditure under the sub-head 'Soil Conservation' during 7th Five Year Plan, 1990-91, approved outlay for Annual Plan 1992-93 is given below :—

Item	(Rs. in lakhs)		
	Soil Conservation Engineering Department	Agriculture Department (Land Reclamation)	Total
1	2	3	4
1. Expenditure			
1985-86	192.51	221.35	413.86
1986-87	213.54	247.24	460.78
1987-88	234.46	275.74	510.20
1988-89	294.32	330.82	625.14
1989-90	405.35	391.46	796.81
Total 7th Plan (1985—90)	1,340.18	1,466.61	2,806.79
1990-91	633.80	392.42	1,026.22
1991-92	663.00	310.00	973.00
2. Approved Outlay			
Actual Expenditure	640.50	490.00	1,130.50
3. Approved outlay (Anticipated Expenditure)			
Annual Plan (1992-93)	843.00	325.00	1168.00

2.72 During the 7th Plan, 75792 hectares of area was treated under different soil and water conservation measures. An area of 14728 hectares was reclaimed during the year 1990-91. It is targetted to cover an area of 23,250 hectares during Annual Plan 1992-93 against the achievement of 18,109 hectares during 1991-92. The soil and water conservation programme will generate 8 lakh mandays of direct employment during Annual Plan 1992-93. Physical achievements in respect of soil conservation works are given below:—Table No. 2.9

The schemes proposed to be implemented during the Annual plan by the Soil Conservation department are discussed below:—

#### Soil and water conservation on watershed basis in kandi non project areas

2.73 Various soil conservation measures are carried out under this scheme in the remaining areas of the kandi tract which are not covered under Integrated Watershed Development Project (Hills), Punjab. Under this scheme, those areas which are likely to fall under the command area of new Irrigation projects, kandi canal, SYL, Shah Nehar Canal, installation of deep tubewells, construction of low dams, command area of the private tubewells and small natural water resources would be developed so as to make it fit to receive irrigation besides carrying out the normal soil and water conservation works. The common nature of conservation irrigation works as well as on the individual tubewells will also be

carried out since this part of the water management work is not included in any other scheme. The survey investigation regarding run off and silt load measures is also proposed to be carried out during

the Annual Plan period. Besides, work regarding development of 13 watersheds in non-project areas of Hoshiarpur District is also proposed to be taken up for the speedy development of kandi area.

Table No. 2.9—Physical achievements in respect of soil conservation works

Sr. No.	Item of work	Unit	7th Plan (1985—90)		1990-91	
			Target	Achievement	Target (Revised)	Achievement
1	2	3	4	5	6	7
1	Land Levelling/Bench Terracing	.. Hectares	47700	37950	3912	4151
2	Underground Pipelines	.. "	42000	24709	4320	4531
3	Gully Reclamation	.. "	1600	2371	750	670
4	Water Harvesting Tanks	.. "	2200	1841	1600	797
5	Field Drainage/Renovation of Terraces	.. "	—	1375	400	320
6	Conservation Irrigation	.. "	—	2464	4000	3926
7	Drainage Line Treatment	.. "	—	—	—	333
8	Contour Live Hedges	.. "	—	331	—	—
9	Sand Casting	.. "	—	160	—	—
10	Common Water Courses	.. "	—	4591	—	—
Total			93500	75792	14982	14728

2.74 An expenditure of Rs. 540.20 lakhs has been incurred under the scheme and institutional finance amounting to Rs. 215.00 lakhs was utilised during the 7th Plan for covering an area of 11711 hectares. An amount of Rs. 173.38 lakhs has been spent during the year 1990-91 and another amount of Rs. 23.44 lakhs has been utilised as institutional finance to treat an area of 2500 hectares. An amount of Rs. 300.00 lakhs is provided during Annual Plan 1992-93 against the expenditure of Rs. 194.88 lakhs during 1991-92. Besides, institutional finance amounting to Rs. 50.00 lakhs is proposed to be availed during the Annual Plan 1992-93 to achieve the target of covering an area of 3060 hectares during the corresponding period. Main components of the scheme are as under :-

(Rs. in lakhs)

Item	Annual Plan (1992-93) outlay
1	2
(i) Subsidy	50.00
(ii) Loan	230.00
(iii) Others	20.00
Total	300.00

**Soil and water conservation in other areas of the state :**

2.75 This scheme is being implemented with institutional finance for carrying out various soil

conservation works in the entire state except the kandi region. An amount of Rs. 381.09 lakhs has been spent during the 7th Plan against which an amount of Rs. 1550.00 lakhs was provided as loan by the NABARD under this scheme to cover an area of 50811 hectares. During the year 1990-91, an expenditure of Rs. 204.75 lakhs has been incurred and institutional finance amounting to Rs. 377.05 lakhs has been availed for treating an area of 9971 hectares. Against the expenditure of Rs. 242.70 lakhs during 1991-92, an amount of Rs. 300.00 lakhs is provided for the Annual Plan 1992-93. Besides, an amount of Rs. 350.00 lakhs is proposed to be availed as institutional finance during the Annual Plan 1992-93 against Rs. 390.00 lakhs likely to be utilised during 1991-92. Under the scheme, it is proposed to undertake the following works/ measures in addition to on-going works:—

- (i) Modernisation of irrigation conveyance system at tubewell and water conservation by laying of conveyance system in the handicapped area especially where water depletion is at alarming rate and undulating sand dune area, drip and sprinkler system for irrigation and creating micro climate for better growth etc. and maintenance of conveyance system.
- (ii) Land development and ravine reclamation measures.
- (iii) Utilisation of sullage water for agriculture.
- (iv) Improvement of sub-soiling to increase agricultural production in the degraded sick/polluted soils.
- (v) Reclamation of water logged areas, by providing agricultural drainage also in

the areas where alkalinity, salinity is associated.

- (vi) Farm research, lay out of demonstration on soil and water conservation technology, training to the farmers, camps, field visits, seminar/workshops and publications etc.

2.76 An area of 14700 hectares is targeted to be covered during Annual Plan 1992-93 against the achievement of 131.99 hectares during 1991-92. Main components of the scheme are as under :—

(Rs. in lakhs)	
Item	Annual Plan (1992-93) Outlay
1	2
(i) Subsidy	100.00
(ii) Loan	173.00
(iii) Others	27.00
Total	300.00

#### Soil Survey :

2.77 The resource inventory is an essential prerequisite for any rational land use planning and optimum utilisation of land. In order to assess the magnitude of the problems of soil erosion and soil degradation and to work out remedial measures, scientific soil surveys are necessary.

2.78 An amount of Rs. 119.05 lakhs and Rs.1.17 lakhs was spent on this scheme during 7th Plan and 1990-91 respectively. An outlay of Rs. 18.00 lakhs is provided for the Annual Plan 1992-93 against the expenditure of Rs. 2.55 lakhs during 1991-92 for the procurement of new soil survey equipment required for the interpretation of imageries and strengthening of the soil survey laboratory and for the construction of building of Soil Conservation Training Institute.

#### Strengthening of Soil Conservation Organisation :

2.79 This scheme was introduced during the year 1990-91. An outlay of Rs. 5.00 lakhs is provided for Annual Plan 1992-93 for the creation of staff at the district level/purchase of vehicles in view of increased emphasis on soil and water conservation works for sustaining the productivity of land. The amount can also be utilised for training, research and demonstration purposes.

#### Operation of machinery division for soil conservation works

2.80 This scheme was initiated during the year 1990-91 and an expenditure of Rs. 18.00 lakhs was incurred. It is proposed to provide an outlay of

Rs. 45.00 lakhs for the continuation of this scheme during the Annual Plan 1992-93 against the expenditure of Rs. 41.70 lakhs during the year 1991-92 for running and operation of machinery division located at headquarters which cater to machinery requirement in the field for undertaking various soil conservation works.

#### Pilot demonstration soil conservation-cum-development project in kandi tract on sukho majri pattern

2.81 Under this scheme, run-off water is collected by constructing earthen embankments and surface storage tanks across the stream on the sukhomajri pattern by constructing multipurpose earthen structures. This stored water is used for providing supplementary irrigation to crops at the critical stage when there is an acute shortage of moisture in the soil. It is proposed to take up these multi-purpose earthen structures on a large scale in Ropar, Hoshiarpur and Gurdaspur Districts so as to harness the run off to prevent crop failures due to flood havoc. Rehabilitation of catchment and development of command areas will be undertaken under the scheme. The works of sprinkler and drip irrigation are also proposed to be taken up besides further development of degraded shivaliks.

2.82 An amount of Rs. 131.53 lakhs was spent during the 7th Plan to treat an area of 644 hectares. During 1990-91, an expenditure of Rs. 145.78 lakhs was incurred for reclaiming an area of 949 hectares. An outlay of Rs. 100.00 lakhs is provided for Annual Plan 1992-93 against the expenditure of Rs. 94.87 lakhs during 1991-92 for covering an area of 540 hectares under this programme.

#### Water harvesting technology in ecologically handicapped areas

2.83 In areas where neither normal irrigation is available nor it is possible to tap rain water for irrigation, it is proposed to utilise stream water or water from other sources for irrigation. Under this scheme, it is proposed to construct channel from the stream to the sump wells from where the water will be carried in underground pipe lines to the fields. Arrangements will be made to lift the water from the sump wells. It is envisaged to provide assistance to the farmers in tapping the natural stream flow for irrigation by adopting modern conservation irrigation techniques. Upto the 7th Plan, this scheme was operative in kandi, bet, border and other backward areas only. Now the scope of this scheme has been widened by extending its implementation in those areas also where good quality underground water is not available for irrigation (brackish) and other problematic areas in the state where ground water is very deep or sweet water is available in the nearby areas and is to be carried to the fields where the ground water is not fit for irrigation.

2.84 An expenditure of Rs. 79.16 lakhs was incurred during 7th Plan for covering an area of 741 hectares. During 1990-91, an amount of Rs. 63.00 lakhs was spent to treat an area of 616 hectares. An outlay of Rs. 75.00 lakhs is provided

against the expenditure of Rs. 63.80 lakhs during 1991/92 during the Annual Plan 1992-93 at an area of 500 hectares is targeted to be treated during the Annual Plan 1992-93 against the achievement of 671 hectares during 1991-92. Major components of the scheme are as under :—

(Rs. in lakhs)

Item	Annual Plan 1992-93 outlay
1	2
(i) Subsidy	18.00
(ii) Loan	57.00
<b>Total</b>	<b>75.00</b>

**National watershed development project for rain-fed areas (NWDPA)**

2.85 This is a centrally sponsored scheme which was initiated during 1986-87, being funded by the State Government and Government of India on 50:50 basis. As per revised pattern, this scheme has become 100% centrally sponsored scheme (75% grant-in-aid and 25% loan) with effect from 1990-91. It is proposed to implement this scheme in the kandi tract, i.e., Patiala, Ropar, Hoshiarpur, and Gurdaspur districts. Main objectives of the scheme are as under :—

- (i) taking up watershed as a basis, to conserve and upgrade crop lands and waste land as a vital natural resource;

- (ii) to develop and demonstrate location specific technologies for the proper soil and moisture conservation measures and crop production stabilisation measures required under different agro-climatic conditions; and

- (iii) to augment the fodder, fruit and fuel resources of the village communities by use of appropriate alternate land use system.

2.86 During the 7th Plan, an expenditure of Rs. 32.44 lakhs was incurred for treating an area of 2457 hectares. Another amount of Rs. 29.14 lakhs has been spent during the year 1990-91 to cover an area of 525 hectares. An amount of Rs. 150.00 lakhs is provided for Annual Plan 1992-93 for covering an area of 4450 hectares against the expenditure of Rs. 78.47 lakhs with which an area of 498 hectares was reclaimed during 1991-92.

**Strengthening of state land use board :**

2.87 The state land use board was reconstituted in the year 1986 to achieve the objectives of inventory of natural resources and also to prepare operational plan to minimise the chances of degradation of land and put the same under use for various purposes. Under this 100% centrally sponsored scheme, an amount of Rs. 3.50 lakhs and Rs. 3.92 lakhs was spent during 7th Plan and 1990-91 respectively. An outlay of Rs. 10.00 lakhs is provided during the Annual Plan 1992-93 against the expenditure of Rs. 1.95 lakhs during 1991-92.

2.88 Scheme-wise physical targets of Annual Plan 1992-93 in respect of various soil conservation programmes/measures are given in Annexure-II and detail of works proposed to be undertaken under each item of soil conservation programme/measure are given in Annexure-III.

## ANNEXURE—I

## IMPORTANT AGRICULTURAL STATISTICS

Item	Year						
	1979-80	1984-85	1986-87	1987-88	1988-89	1989-90	
i	2	3	4	5	6	7	
<b>A—Land Utilization in Punjab (000' Hect.)</b>							
Geographical Area	5036	5036	5036	5036	5036	5036	
Reported Area	5033	5033	5033	5033	5033	5033	
Forests	217	221	220	224	222	230	
Land not available for cultivation	531	519	519	525	512	508	
Other uncultivated lands excluding fallow lands	52	49	43	49	47	49	
Current fallow lands	51	52	48	78	51	63	
Net area sown	4182	4189	4202	4157	4205	4191	
Net area sown as percentage of total area	83	83	83	83	84	83	
Area sown more than once	2553	2824	3015	3169	3182	3200	
Gross cropped area	6535	7013	7217	7326	7387	7391	
Cropping intensity	156.3	167.4	171.7	172.5	175.7	176.4	
<b>B—Net area irrigated by (000' Hect. )</b>							
(i) Government canals	1515	1399	1440	1409	1452	1500	
(ii) Private canals	—	—	—	6	6	7	
(iii) Tubewells & Wells	1997	2212	2274	2307	2309	2426	
(iv) Other sources	11	10	3	2	9	3	
Total (i to iv)	3523	3621	3717	3724	3776	3936	
Percentage of net irrigated area to net area sown	84		88	89	90	94	
<b>C—Tubewells in Punjab</b>							
						1990-91	
Diesel Operated (Lakh No.)	3.23	2.47	1.83	2.19	2.07	2.06	2.00
Electric Operated (Lakh No.)	2.62	4.00	4.90	5.14	5.35	5.65	6.00
Total	5.85	6.47	6.73	7.33	7.42	7.71	8.00
<b>D—Tractor (Number)</b>							
	11185	64307	250000	239121	240000	260000	265000

## E—Area under important crops in Punjab

(000' hectares)

Crop	Year						
	1979-80	1984-85	1986-87	1987-88	1988-89	1989-90	1990-91
1	2	3	4	5	6	7	8
Wheat	2813	3094	3185	3131	3156	3251	3272
Rice	1172	1644	1786	1720	1783	1918	2024
Maize	393	304	261	233	248	210	188
Barley	46	49	39	39	45	39	37
Gram	228	102	114	66	71	54	61
Groundnut	91	45	40	32	20	15	10
Rapeseed & Mustard	95	138	106	158	114	93	73
Sugarcane	77	79	97	106	98	103	101
Cotton (American)	460	409	496	565	702	667	637
Cotton (Desi)	170	63	71	56	56	65	64

## F—Production of Important Crops in Punjab

(000' tonnes-Bales)

Crop	Achievement						
	1979-80	1984-85	1986-87	1987-88	1988-89	1989-90	1990-91
1	2	3	4	5	6	7	8
Wheat	7868	10176	9447	11084	11576	11681	12155
Rice	3052	5052	5485	5442	4922	6697	6535
Pulses	188	150	183	98	127	99	109
Total Foodgrains	11906	16098	16215	17092	17076	18986	19249
Oilseeds	157	191	140	188	146	108	115
Sugarcane (gur)	393	492	611	582	606	650	600
Cotton (bales)	1207	1241	1691	1863	2118	2454	1909

## G—Yield of Important Crops in Punjab

(Kg/Hect.)

Crop	1979-80		1984-85		1986-87		1987-88		1988-89		1989-90	
	Punjab	India	Punjab	India	Punjab	India	Punjab	India	Punjab	India	Punjab	India
Wheat	2797	1437	3289	1870	2966	1916	3740	1995	3668	2244	3593	2117
Rice	2604	1082	3073	1417	3331	1471	3164	1473	2772	1689	3510	1756
Maize	1723	970	1895	1456	2022	1282	1567	1016	1176	1395	1902	1606
Jowar	649	688	1058	717	1000	576	1000	757	1000	995	1000	864
Sugar-cane (gur)	5099	5000	6230	5768	6300	6046	5487	6000	6188	6099	6312	9247
Cotton (cleaned)	326	162	447	196	507	169	510	168	475	202	570	265

## H—Fertilizer Consumption in Punjab

(000' tonnes)

Item	Year						
	1979-80	1984-85	1986-87	1987-88	1988-89	1989-90	1990-91
1	2	3	4	5	6	7	8
N	477	759	803	791	796	818	878
P	179	267	290	297	301	315	328
K	30	22	23	24	20	12	14
Total	686	1048	1116	1112	1117	1145	1220

## I—Consumption of Fertilizer

(kg/ha)

State	Year								
	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	
1	2	3	4	5	6	7	8	9	
Punjab	143	151	154	155.0	159	151.2	154.9	165.00	
Haryana	56	63	70	72.9	71	108.7	114.3	128.3	
Tamil Nadu	85	115	111	97.1	96	114.2	116.2	115.1	
All India Level	43	48	51	48.7	51	63.9	66.2	72.4	



## J—Laboratories

	Position up to				
	1987-88	1988-89	1989-90	1990-91	1991-92
(i) Soil Testing Laboratories including Mobile Soil testing Laboratories	47	47	47	50	50
(ii) Seed Testing Laboratories	1	1	1	2	2
(iii) Fertilizer Quality Control Laboratory	1	1	1	2	2
(iv) Insecticides Testing Laboratory	1	2	3	3	3

K—Reclamation of Kallar Lands in Punjab		(Hectares)
Total area affected with Alkalinity at the beginning of Fifth Plan	..	6,98,000
Level achieved up to 1979-80	..	73,547
Area Reclaimed during Sixth Plan 1980—85	..	1,56,197
Total Area Reclaimed up to the end of sixth Plan	..	2,29,744
Area Reclaimed during 1985-86	..	29,155
1986-87	..	17,180
1987-88	..	21,396
1988-89	..	26,680
1989-90	..	29,064
Total area reclaimed up to 1989-90	..	3,53,219
Achievement 1990-91	..	21,323
1991-92	..	15,736
Target 1992-93	..	13,260

L—Punjab's Contribution of Rice/Wheat in Central Pool		(Lakh tonnes)					
Year	Wheat (Mkg. year)			Rice (Crop year)			
	India	Punjab	Percentage	India	Punjab	Percentage	
1	2	3	4	5	6	7	
1987-88	78.80	44.19	56.1	68.94	33.61	48.8	
1988-89	65.35	47.49	72.7	60.32	28.56	41.2	
1989-90	90.00	55.99	62.3	108.80	50.03	46.0	
1990-91	110.74	67.44	60.9	117.02	48.21	41.2	
1991-92 (13-9-91)	77.52	55.42	71.4	—	—	—	

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**ANNEXURE X**

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ANNEXURE  
Scheme-wise Physical Target for

Name of the scheme	Land Development and Ravine Reclamation
1	2
1.SC(A)3.1 Soil & water conservation on water-shed basis in kandi non-project areas	.. 1040
2.SC(A)3.2 Soil & water conservation programme in other areas of the State	.. 1950
3.SC(A)3.3 Pilot demonstration soil conservation-cum-development project in kandi tract on sukhomajri pattern	.. —
4.SC(A)3.4 Water harvesting technology in ecologically handicapped areas	.. —
5.SC(A)3.5 National watershed development programme for rainfed agriculture	.. —
Total	.. 2990

II

Annual Plan 1992-93

(Area in hectares)

Rehabilitation of Watershed	Water Harvesting Technology	Water Management	Conservation Measures	Field Drainage
3	4	5	6	7
670	300	200	415	—
—	—	1650	—	800
—	540	—	—	—
—	—	—	—	—
—	—	—	—	—
670	840	1850	415	800

Planning and Administration  
 Agricultural Department  
 New Delhi-110016  
 No. D-7228  
 Date 22.7.92

## Scheme-wise Physical Target for

Name of the scheme	Improvement of Sub-Soiling
1	8
1.SC(A)3.1 Soil & water conservation on watershed basis in Kandi non-project areas	.. —
2.SC(A)3.2 Soil & water conservation programme in other areas of the State	1000
3.SC(A)3.3 Pilot demonstration soil conservation-cum-development project in Kandi tract on Sukhomajri pattern	.. —
4.SC(A)3.4 Water harvesting technology in ecologically handicapped areas	.. —
5.SC(A)3.5 National watershed development programme for rainfed agriculture	.. —
Total	1000

## II

Annual Plan 1992-93

(Area in hectares)

Conservation Irrigation Techniques	Improvement of Handicapped Area	National Watershed Development	Tapping of Sullage Water	Total
9	10	11	12	13
300	135	—	—	3060
8000	1000	—	300	14700
—	—	—	—	540
—	500	—	—	500
—	—	4450	—	4450
8300	1635	4450	300	23250

## ANNEXURE III

## Items of Soil &amp; Water Conservation Works

1. Land Development  
To check erosion and to improve the soil for agriculture use. Works like bench terracing, land shaping and renovation of terraces are carried out.
2. Rehabilitation of watersheds, improvement of degraded agricultural land  
Works such as reclamation of gullied land and treatment of drainage line with engineering structures supported by vegetation.
3. Water Harvesting Technology  
Construction of earthen structures, irrigation control structure, excess release arrangement, improvement of watershed to reduce sediment, development of command area and layout of conveyance system
4. Water Management  
To create irrigation potential by tapping perennial flow, its storage in tanks and lining of conveyance system for life saving irrigation, sprinkler, drip and other modern techniques of irrigation.
5. Vegetative measures to control soil erosion  
Strengthening of terraces, bunds with vegetation, vegetative water ways and creation of vegetative barrier to control erosion in the agricultural land.
6. Tapping of sullage water  
Works like construction of pump houses to lift sullage water, provide conveyance system and control structures
7. Improvement of water supply by run-off management & carrying water for irrigation in the handicapped areas  
Works like dug up tanks, small lift schemes by storage of run-off and perennial flow in the hilly areas and conveyance system to carry irrigation water to the areas which has brackish ground water and very deep ground water.
8. Field Drainage  
Investigation, layout of underground and sub-surface drainage, reclamation of saline and alkaline soils in the waterlogged and semi-waterlogged areas.
9. Improvement of land by sub-soiling and chisling  
To create infrastructure to provide suitable mechanical means in chisling, demonstration, supply of chislers to the farmers and financial assistance.
10. Sand scrapping  
Reclamation of sand cast/eroded land damaged by floods—removal of sand and improvement of cut-up eroded areas.
11. Conservation irrigation technology in low fertility areas in the central districts where ground water is depleted  
(i) Lining of conveyance system.  
(ii) Preparation of irrigation guide for best use of available water.  
(iii) Land shaping, grading and extension work regarding application of irrigation water to the crops and to use rain water as soil moisture under rainfed technology.
12. National Watershed Development and Integrated approach  
(i) Soil and water conservation technology.  
(ii) Agro Forestry.  
(iii) Improved agronomic inputs.  
(iv) Introduction of suitable horticulture plants.  
(v) To improve the quality of livestock
13. Ravine reclamation  
Area severely eroded, deep gullies, ravines along the river bank and their tributaries in the state. Reclamation by terracing, gully reclamation, engineering structure, vegetative measures and improvement of water supply, etc.

ANNUAL PLAN—1992-93  
STATEMENT  
OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Agriculture &amp; allied activities</b>						
<b>101240100 Crop Husbandry</b>						
<b>State Level Schemes</b>						
<b>Critical on-going schemes</b>						
<b>001 Direction &amp; Administration</b>						
A(P) 1.2	Strengthening & Reorga- nisation of Agriculture Extension & Administration	195.87	364.50	364.50	350.00	144.00
	Total Critical on-going Schemes	195.87	364.50	364.50	350.00	144.00
<b>Sanctioned Schemes/Commit- ted in 1991-92</b>						
A(P) 1.3	Scheme for staff at district level	—	35.00	0.10	40.00	—
15.4	Total 001	195.87	399.50	364.60	390.00	—
<b>002—Foodgrain Crops</b>						
A(P) 2.1	Integrated Programme for Rice Development (IPRD) Sharing	47.50	140.00	77.91	140.00	—
	Total 002	47.50	140.00	77.91	140.00	—
<b>103—Seed</b>						
A(P) 3.2	Setting up/strengthening of seed testing labs	—	30.00	17.85	38.00	8.00
	Total 103	—	30.00	17.85	38.00	8.00
<b>105—Manures and Fertilizers</b>						
A(P) 3.5	Scheme for diversification of crop and supply of necessary infrastructure and other agril. inputs	—	13.60	—	—	—
A(P) 4.5	Creation of input testing Infrastructure in the State	—	25.00	21.95	50.00	7.00
A(P) 4.2,4.4	Total 105	—	38.60	21.95	50.00	7.00
<b>107—Plant Protection</b>						
A(P) 5.3**	Intensification of plant pro- tection works	20.00	—	20.00	—	—
A(P) 5.6	Establishment of pests & diseases surveillance service in Punjab	—	3.20	—	—	—
A(P) 5.7	Control of pests on cotton (Sharing)	—	0.10	—	—	—
	Total 107	20.00	3.30	20.00	—	—

\*\*District Plan Scheme w. e. 1. 1991-92.



ANNUAL PLAN—1992-93  
STATEMENT  
OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme		Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expendi- ture	Approved Outlay	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1		2	3	4	5	6	
<b>108—Commercial Crops</b>							
A(P) 6.3	Intensive Cotton Develop- ment Programme including aerial spray on cotton (Sharing)	6.87	25.00	92.71	132.50	—	
	Total 108	6.87	25.00	92.71	132.50	—	
<b>109—Extension and Training</b>							
A(P) 7.4	Study tour of farmers	3.00	3.00	3.00	3.00	—	
	Total 109	3.00	3.00	3.00	3.00	—	
<b>110—Crop Insurance</b>							
A(P) 8.1	Comprehensive Crop Insurance	—	0.10	—	0.10	—	
	Total 110	—	0.10	—	0.10	—	
<b>111—Agricultural Economics &amp; Statistics</b>							
A(P) 9.4	Agricultural Census (Sharing)	0.40	0.40	0.40	0.40	—	
A(P) 9.5	Setting up of crop cutting machinery for block level estimates	—	4.00	—	4.00	—	
	Total 111	0.40	4.40	0.40	4.40	—	
<b>112—Development of Pulses</b>							
A(P) 10.1	National Pulses Develop- ment Project (Sharing)	3.49	3.75	9.66	10.29	—	
	Total 112	3.49	3.75	9.66	10.29	—	
<b>113—Agricultural Engineering</b>							
A(P) 11.4 (a)	Scheme for extension and administration of agri- cultural engineering	—	30.00	} 0.10	—	—	
(b)	Estt. of Development Centre for improving the efficiency of agricultural machinery	—	5.00		—	—	
A(P) 11.6	Scheme for the estt. and strengthening of Farmers, Agro Service Centres (Sharing)	—	—	0.10	—	—	
A(P) 11.7	Scheme for the populariz- ation of improved agri- cultural equipment in Punjab (Sharing)	—	—	5.40	—	—	
11.5							
	Total 113	—	35.00	5.60	—	—	

**ANNUAL PLAN—1992-93  
STATEMENT  
OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>114—Development of Oilseeds</b>						
A(P) 12.1	Oilseeds Production Programme (Sharing)	36.44	80.20	56.22	67.13	—
Total 114		36.44	80.20	56.22	67.13	—
<b>119—Horticulture and Vegetable Crops</b>						
A(P) 14.4	Control of insects, pest and diseases	—	0.10	0.63	—	—
A(P) 14.8	Setting up Information and Training Centres at Zonal level	2.98	4.00	4.00	4.00	—
A(P) 14.9	Scheme for the reorganisation of Department of Horticulture	—	10.00	—	0.10	—
A(P) 14.11	Market intervention scheme for fruits	—	—	96.82	50.00	—
Total 119		2.98	14.10	101.45	54.10	—
<b>190—Investment in Public Sector and other Undertakings</b>						
A(P) 16.1	Share Capital to Punjab State Seeds Corporation	—	50.00	0.10	50.00	50.00
A(P) 16.2	Share Capital to Punjab Agro Industries Corporation	1452.75	2052.75	0.10	1000.00	1000.00
A(P) 16.3	Share Capital to Regional Rural Banks	—	0.10	11.25	7.50	7.50
Total 190		1452.75	2102.85	11.35	1057.50	1057.50
<b>800—Other Expenditure</b>						
A(P) 15.3	Establishment of Remote Sensing Application Centre in Punjab	100.00	100.00	100.00	100.00	—
Total 800		100.00	100.00	100.00	100.00	—
<b>NEW SCHEMES</b>						
<b>107—Plant Protection</b>						
A(P) 5.8	Integrated pest management (Sharing)	—	—	—	75.00	—
Total		—	—	—	75.00	—
<b>113—Agricultural Engineering</b>						
A(P) 11.5	Centrally sponsored scheme for the setting up of agricultural machinery training and evaluation centres in Punjab (Sharing)	—	—	—	35.00	25.00
Total		—	—	—	35.00	25.00
Total New Schemes		—	—	—	110.00	25.00
Total—Crop Husbandry (State level schemes)		1869.30	2979.80	862.7	2157.02	1241.50

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Schemes	Annual Plan 1990- 91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture (P)	Approved outlay	Anticipated Expendi- ture (P)	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Crop Husbandry—District Plan Schemes</b>					
<b>Infrastructure Schemes :</b>					
1. A(P)3.2 Setting up/Strengthening of seed testing labs ..	28.00	—	—	—	—
2. A(P) 4.1 Soil testing labs ..	18.55	50.00	44.26	41.00	21.00
3. A(P)4.5 Creation of input testing infrastructure in the State ..	12.00	—	—	—	—
Total: Infrastructure Schemes ..	58.55	50.00	44.26	41.00	21.00
<b>Beneficiary Oriented Schemes</b>					
1. A(P)5.3 Intensification of Plant protection works ..	—	20.00	20.00	25.00	—
2. A(P)13.1 Assistance to Small & Marginal Farmers on IRD Pattern ..	121.95	150.00	150.00	135.00	—
3. A(P)14.3 Development of Horticulture in the State including Development of Horticulture in Border Areas for Rehabilitation of misguided Youths ..	53.62	85.00	101.00	150.00	10.00
4. A(P)14.5 Production and Multiplication of Vegetable Seeds including Development of Vegetables for the Welfare of Rai Sikhs of Ferozepur District ..	27.99	33.00	33.00	38.00	5.00
5. A(P)14.6 Demonstration-cum-Fruit Preservation Laboratories and Community Canning Centres ..	11.85	15.00	15.00	17.00	1.00
6. A(P) 14.10 Scheme for the Development of Rainfed Horticulture in Pathankot Tehsil of Gurdaspur district ..	—	5.00	5.00	5.00	—
7. A(P) 15.2 Bee-keeping ..	18.68	20.00	20.15	30.00	—
Total : Beneficiary Oriented Schemes ..	234.09	328.00	344.15	400.00	16.00
Total District Plan Schemes ..	292.64	378.00	388.41	441.00	37.00
Grand Total Crop Husbandry (State Plan and District Plan Schemes) ..	2161.94	3357.80	1251.11	2598.02	1278.50

**ANNEXURE III**  
**ANNUAL PLAN—1992-93**  
**OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>101 240800 Food Storage and Warehousing</b>					
<b>02—Storage and Warehousing</b>					
A(P) 17.3 Construction and operation of Warehousing (Sharing basis—CWC)	—	0.10	—	0.10	0.10
Total 101240800 ..	—	0.10	—	0.10	0.10
<b>101 2515 00 Agricultural Research and Education</b>					
A(P) 18.1 Punjab Agricultural University Ludhiana—					
(i) Crop Husbandry ..	221.73	400.00	400.00	550.00	106.85
(ii) Animal Husbandry ..	94.68	125.00	127.57	250.00	40.30
Total —101 2515 00 ..	316.41	525.00	527.57	800.00	147.15
<b>101 2416 00 Agricultural Financial Institutions</b>					
A(P) 19.1 Support to Ordinary and Special debentures—					
(i) Agriculture Department ..	125.00	150.00	145.00	125.00	125.00
(ii) Soil Conservation Department ..	25.00	27.00	27.00	42.00	42.00
A(P) 19.2 Purchase of debenture of SCLMB for the purchase of tractors and agricultural implements	125.00	200.00	200.00	250.00	250.00
A(P) 19.3 ARC scheme for the reclamation of alkaline soils	—	5.00	2.00	—	—
A(P) 19.4 Grant of loans for fruit plantation -debenture support to Horticulture	22.50	20.00	20.00	25.00	25.00
A(P) 19.5 Gobar Gas Plants-debenture support	—	1.00	—	2.50	2.50
A(P) 19.6 Dairy Development ..	100.00	115.00	115.00	130.00	130.00
A(P) 19.7 Poultry, Piggery, Sheep Breeding, Cattle feed Processing units and camel carts etc.	40.00	25.00	30.00	45.00	45.00
A(P) 19.8 Fish Culture ..	14.00	5.00	9.00	7.50	7.50
A(P) 19.9 Farm Forestry ..	2.50	2.00	2.00	5.00	5.00
Total—101241600 ..	454.00	550.00	550.00	632.00	632.00
<b>101 2435 00 Other Agricultural Programme</b>					
<b>01—Marketing and Quality Control</b>					
<b>102 Grading and quality Control facilities</b>					
A(P) 20.1 Grading of food-grains and oilseeds in regulated markets	6.43	8.00	7.98	9.50	—
A(P) 20.2 Scheme for setting up of agricultural marketing intelligence and analysis Wing	—	5.00	5.00	5.70	—
Total—101 2435 00 ..	6.43	13.00	12.98	15.20	—
<b>Grand Total —Agriculture</b> ..	<b>2938.78</b>	<b>4445.90</b>	<b>2341.66</b>	<b>4045.32</b>	<b>2075.75</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## SCHEMewise OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Major/Minor Head of Development /Name of of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expenditure	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>101240200 Soil and Water Conservation State Level Scheme</b>					
<b>001—Direction and Administration</b>					
SC (A) 1.1 Strengthening of Soil Conservation Organisation	—	5.00	3.50	5.00	—
Total—001	—	5.00	3.50	5.00	—
<b>101—Soil Survey and Testing</b>					
SC (A) 2.1 Soil Survey in the State	1.17	2.90	2.70	18.00	—
Total—101	1.17	2.90	2.70	18.00	—
<b>102—Soil Conservation</b>					
SC (A) 3.1 Soil and Water Conservation on Watershed basis in Kandi non-project areas	173.38	—	195.00	300.00	230.00
SC (A) 3.2 Soil and Water conservation programme in other areas of the State	204.75	—	245.00	300.00	173.00
SC (A) 3.5 National Watershed Development Programme for Rainfed Agri- culture	—	—	—	—	—
Total—102	378.13	—	440.00	600.00	403.00
<b>109—Extension and Training</b>					
SC (A) 5.1 Training, Research and Demon- stration	—	—	—	—	—
Total—109	—	—	—	—	—
<b>800—Other Expenditure</b>					
SC (A) 6.1 Provision for machinery division at the Headquarter	18.00	40.00	41.70	45.00	—
Total—800	18.00	40.00	41.70	45.00	—
<b>Total State Level</b>	<b>397.30</b>	<b>47.90</b>	<b>487.90</b>	<b>668.00</b>	<b>403.00</b>

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**Schemewise Outlay and Expenditure**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content
1	2	3	4	5	6
<b>District level Schemes</b>					
<b>Infrastructure Schemes</b>					
<b>102— Soil Conservation</b>					
SC (A) 3.3 Pilot Demonstration Soil Conservation-cum- Development Project in Kandi Tract on Sukhomajri Pattern	.. 145.78	100.00	100.00	100.00	—
SC (A) 3.4 Water Harvesting technology in ecologically handicapped areas	.. 63.00	75.00	75.00	75.00	57.00
Total 102—(Infrastructure Schemes)	.. 208.78	175.00	175.00	175.00	57.00
<b>Beneficiary Oriented Schemes :</b>					
<b>102—Soil Conservation</b>					
SC (A) 3.6 Scheme for removal of sand from the agricultural land damaged during floods 1988	.. —	0.10	0.10	—	—
Total—102	.. —	0.10	0.10	—	—
<b>103— Land Reclamation Development</b>					
SC (A) 4.1 Reclamation of Alkali Soils (sharing basis)	.. 212.45	120.00	300.00	125.00	—
SC (A) 4.2 Reclamation of Kallar Lands in Punjab	.. 179.97	190.00	190.00	200.00	—
Total—103	.. 392.42	310.00	490.00	325.00	—
Total—(Beneficiary Oriented Schemes)	.. 392.42	310.10	490.10	325.00	—
Total—District level Schemes	.. 601.20	485.10	665.10	500.00	57.00
Grand Total (State & District)	.. 998.50	533.00	1153.00	1168.00	460.00



## CHAPTER III

### Agriculture and Rural Development

In view of limited scope of addition to net area sown in the state, diversification of state agriculture through allied activities comprising animal husbandry, commercial dairying, fisheries and forestry play a vital role in the reduction of income disparity between rural and urban population. Livestock keeping alongwith marketing services, manufacture of livestock products, inputs and other subsidiary and supporting industries offer a great scope of gainful employment to the expanding labour force, small and marginal farmers and agricultural labour and thus helps raising standard of living of rural population especially of weaker sections of society. Thus, livestock enterprises like dairy and poultry farming and rearing of meat producing animals are also being contemplated as important alternatives towards diversification of agriculture in Punjab.

### Animal Husbandry

3.2 Livestock occupies a pivotal position in the life of the people especially in rural areas of the state. They are still the main source of draught power in agricultural operations and transportation. They provide essential food of animal origin like milk, meat, eggs for better nourishment besides, wool, manure, fuel, skin, hides and bone meal. For many years to come livestock is likely to continue to be the mainstay of agricultural operations particularly of small and marginal farmers in the state. The growing pressure of human population on land has resulted in reduction in the size of holdings. Besides, green revolution initiated in Punjab state during the late sixties has reached a saturation point with marginal increase in the agricultural production being achieved during

the last few years. Livestock production through the weaker sections of the society in the rural areas could also be relied upon as major instrument of social change for supplementing the income and providing a large scope of self-employment of these sections of the people in rural areas.

3.3 Stress is being laid on increasing the productivity of various species of livestock particularly of cattle and buffaloes, by according increased attention to their breedings, management and health cover, extension education and feed and fodder development. The programme for changing the composition of the animal population i.e. replacing of low-yielding animals with high yielding cross-bred cows and improved buffaloes has also been given priority. For this purpose the plan envisages the enlargement of the programme of cross-breeding of cows through use of the artificial insemination, import of proven semen of Holstein Friesian/Jersey breed and effective health cover to the precious animals. Besides, a Bull Mother Farm for production of genetically superior bulls of Holstein Friesian/Jersey breed in the state would be set up by importing 150 Holstein Friesian and 100 Jersey breed heifers having high milk yielding potentials during 1992-93. The poultry development would also be given priority and disease diagnostic and feed analytical facilities in poultry would be made available in potential districts of the State.

3.4. Animal husbandry being thrust area in 1992-93 has been accorded high priority in matter of allocation of funds. An outlay of Rs. 1300.00 lakh for Annual Plan 1992-93 is provided for this sub-head. It includes Rs. 514.37 lakh for 1992-93 for the scheme devoluted at district level.



3.5. Programme-wise outlay for 1992-93 is provided as under:—

		(Rs. in lakhs)
Sr. No.	Name of the Programme	Approved Outlay 1992—93
1	2	3
1.	Extension and Training	12.20
2.	Direction and Administration	—
3.	Vety. Services and Animal Health	577.38
4.	Cattle and Buffalo Development	426.17
5.	Poultry Development	123.35
6.	Sheep and Wool Development	17.77
7.	Piggery Development	10.40
8.	Other Livestock Development	8.50
9.	Fodder and Feed Development	25.82
10.	Investigation and Statistics	5.91
11.	Scheme for Staff Component	92.50
<b>Total</b>		<b>1300.00</b>
PAU Ludhiana (Vety. Wing)		250.00

Various Programmes/schemes are discussed as under :—

#### **Animal Health**

3.6 Exotic and cross-bred cattle and high yielding buffaloes are highly susceptible to foot and mouth diseases. To control these diseases use of prophylactic vaccination would be further intensified in annual plan 1992-93. As many as 12.86 lakhs vaccination doses against foot and mouth diseases would be carried out in the Annual Plan 1992-93 with state's share allocation. A sum of Rs. 2 only, at the subsidized rate, would be charged from the farmers against each vaccination dose. An outlays of Rs. 45.00 lakh (State Share) for annual plan 1992-93 has been provided for this programme.

3.7 As a result of commercialisation of poultry industry in the state, the population of

poultry birds has increased manifold. The gambaro disease has started affecting the poultry population. Thus to check the menace of this disease there is need for production of gambaro disease vaccine. These vaccines are to be produced by strengthening of Punjab Vety. Vaccine Institute, Ludhiana. Besides, for improving the animal health care in the state there is a need for creation of state level institute of animal health. For the same the Animal Health Institute will be set up which would comprise the following components :—

- (i) Punjab Vety. Vaccine Institute.
- (ii) Disease Diagnostic Section.
- (iii) Epidemiological unit.
- (iv) Avian Disease Diagnostic Centre at Amritsar and Sangrur.

Besides, 9 mobile, animal health care units are to be set up at the Sub Divisional level in the state during 1992-93 for providing veterinary services at the doorsteps of livestock owners in the villages. The mass eradication programme of Ecto/Endo parasites in live-stock will also be carried out through these units. Eleven mobile units opened during 1991-92 in three border districts of Amritsar, Ferozepur and Gurdaspur in the state for providing efficient/timely health cover/breeding facilities to livestock owners would also continue during 1992-93.

An allocation of Rs. 100.00 lakh has been provided for Annual Plan 1992-93 for this programme.

### Cattle and Buffalo Development

3.8 The population both of cattle and buffaloes has been estimated at 28.32 lakhs and 55.77 lakhs respectively in the state during 1990-91. Punjab today has become one of the leading state in milk production and its contribution to the national milk grid is 10 per cent inspite of the fact that the state has only 3 per cent of the breedable cattle and buffalo population of the total country as a whole. In spite of this there is still need to uprate the breed of both cattle and buffaloes as the lactation yield of milk is very low as compared to the level of other developed countries. Cattle development mainly relates to intensification of cross-breeding programme for breed improvement. The thrust of livestock improvement programme is on the increased production of milk by enhancing the lactation yield which would be achieved through the following measures :—

- (i) Extension of frozen semen facilities of artificial insemination doses of Holstein Friesian and Jersey breed to cover 100 per cent breedable cattle and buffaloes;
- (ii) production of adequate number of proven cross-bred and buffaloes bulls/import of frozen semen; and
- (iii) development of new breed of cattle suitable to the climatic conditions of the state by determining the level of exotic inheritance.

3.9. To improve the breed/productivity of both cattle and buffaloes in the state, the following measures are to be adopted during 1992-93.

- (i) In order to introduce exotic inheritance in indigenous cattle, large scale cross

breeding programme will be taken up in the state. Out of the total number of 1945 vety. institutions, the frozen semen facility in artificial insemination has been made available in 816 vety. institutions upto 1990-91. Thus, in order to increase the milk production in shortest time about 7.78 lakhs frozen semen doses of improved bulls both of Holstein Friesian/Jersey breed are to be imported by the close of 1991-92. Two lakhs such doses will be imported during 1992-93. Thereafter the demand of frozen semen doses would be met from the cattle farms/semen banks within the state. For meeting the increased demand of frozen semen straws one more semen banks with a capacity of 50 bulls is to be set up during 1992-93. In addition, the existing semen banks will be strengthened. To ensure regular supply of L. N. Gas to frozen semen banks and to the vety. institutions in the state, the existing six L.N. Gas plants are to be replaced by new ones and one new L. N. Gas plant of 10 litre capacity would also be set up in phased manner.

- (ii) A Bull Mother Farm will be strengthened in 1992-93 to produce sufficient number of bulls of high genetic value in the state to carry out the cross breeding programme. For achieving this objective 150 Holstein Friesian heifers and 100 Jersey heifers (progeny of sire and dams) having milk production potential of 10,000 kg. and above per lactation will be imported during 1992-93. These heifers will be used for bull production programme for supply of pedigree bulls to semen banks and artificial insemination centres.
- (iii) The programme for the multiplication of high yielding cows and buffaloes through embryo transfer technology will be given further impetus during 1992-93. A progeny testing programme for evaluation of performance of buffaloes/cross bred bulls would also be intensified during 1992-93.

3.10. For implementation of the cattle development programme an allocation of Rs. 426.17 lakhs has been provided for 1992-93.

#### *Poultry Development*

3.11. Poultry Development provides employment both in rural as well as in urban areas, supplies nutritive food to the consumers in the form of meat and eggs and manure for use in the field. Poultry production made considerable headway due to requirement of small space, low capital investment, quick returns from the investment and well-distributed turnover through out the year. It has helped establishment of poultry as an industry in the state. Now this industry is at the threshold of a major advancement since many big poultry farms for eggs and broiler production have already been set up in the state.

3.12. The main thrust of the poultry production programme is on the increased production of eggs, day old layer/chicks and broiler chicks. For the purpose, all the five State Poultry Farms located at Gurdaspur, Jalandhar, Patiala, Kotkapura and Malerkotla are proposed to be strengthened in phased manner. The parent stock capacity of each farm would be expanded from 5,000 to 10,000 and the production capacity of day old chicks of all the state farms will also be raised from 7 to 8 lakhs by the end of 7th Plan to 18 lakhs annually by the close of eighth plan in phased manner. Besides, it is contemplated to modernise all the existing state poultry farms in 1992-93 by introducing cage system, by affecting addition/alteration in the existing poultry sheds etc. Presently, the poultry disease diagnostic and feed analytical facility is available at state sanitary laboratory, Jalandhar and P.A.U. Ludhiana only which is very much inadequate compared to the needs of the poultry growers. It is contemplated to extend this facility to four more districts of Gurdaspur, Sangrur, Ropar and Hoshiarpur during 1992-93. The egg production is expected to increase to 1,950 million by the end of 1992-93 from 1,619 million at the close of 1989-90. The extension activities for the technical guidance to the poultry growers would be intensified by providing technical personnel one each in the remaining forty blocks where this facility is not yet available. An outlay of Rs. 92.85 lakhs has been provided for annual plan 1992-93, for state poultry farms.

3.13. The Punjab State Poultry Development Corporation has been engaged in the manufacturing of cattle and poultry feed and collection of eggs from the egg producers in the state even from the small producers in the interior of the state where big poultry producers do not go for the collection of eggs. The authorised share capital of the corporation is Rs. 400.00 lakhs against which Rs. 329.10 lakhs has been paid by the end of the 1991-92. A sum of Rs. 30.50 lakhs has been provided for 1992-93.

#### **Sheep and Wool Development**

3.14. It is centrally sponsored scheme. Wool, the clip of the sheep is an important constituent of woollen industry in providing warm clothes, blankets and carpets. Sheep and wool extension centres would continue to provide valuable services to sheep breeders/sheep farmers in terms of regular drenching, timely vaccination, dipping, spraying and general treatment to sick sheep flock during 1992-93. In order to control the mortality rate, regular drenching and spraying of sheep against internal parasites is necessary. There are at present 38 Sheep and Wool Extension Centres located in the districts of Ferozepur, Faridkot, Bathinda, Sangrur and Patiala which are providing health cover and extension services to the sheep breeders. It is proposed to extend these facilities to semi-hill areas of districts of Gurdaspur, Hoshiarpur and Ropar by opening 8 more such centres in these areas during 1992-93.

3.15. To provide subsidiary occupation to the backward classes and small and marginal farmers and agricultural labourers in the state, a fat lamb production farm with a flock of 200 imported sheep of poldorest breed was set up at Mattewara in March, 1988. Under this scheme 100 exotic sheep from abroad are proposed to be imported during current year to replenish the stock eliminated in the Mattewara farm due to mortality. An other 200 exotic sheep will be imported in 1992-93 to increase the herd strength of the farm. Subsidy amounting to Rs. 2,500 as 25 per cent of the total cost would be given to the sheep breeders for construction of shed, equipment and purchase of sheep feeding articles for setting up of 10 fat lamb units in 1992-93 comprising one male and 10 female sheep per unit capacity each. An outlay of Rs. 17.77 lakhs matching sharing has been provided for sheep development in annual plan 1992-93.

### Piggery Development

3.16. It is a centrally sponsored scheme. To reduce pressure on land and to generate self employment, pig farming can be adopted as source of livelihood particularly by the educated unemployed/under employed persons belonging to the weaker sections of society and by small and marginal farmers. Pig is prolific breed and if fed and managed on scientific lines can attain more weight in a short period compared to other animals such as a goat and sheep. The hybrid pigs have established for better economical traits for feed conversion, rapid growth and early maturity even compared to pure breeds. Under the scheme 'Establishment of hybrid pig breeding farm for production of fattening stock', a hybrid pig farm is being set up at Kharar. Besides the existing pig breeding farms of Kharar, Nabha, Mattewara and Malwal are proposed to be modernised by providing the latest facilities in these farms. An allocation of Rs. 10.40 lakh (matching share) is provided for annual plan 1992-93.

### Other Livestock Development

3.17. To bridge the gap between advanced vety. Knowledge on the one hand and their effective transfer to the field, the polytechnic at Patiala would be developed as a multifacial training centre. This centre will provide skill oriented vocational training to the practising farmers, in service field level and extension workers and those who intend to go in for self-employment. In addition the refresher courses will also be arranged in various fields of Animal Husbandry for the existing staff. A sum of Rs. 8.50 lakh has been provided for this programme for annual plan 1992-93.

### Administrative, Investigation & Statistics

3.18. To cope with the increased work load of the department for preparing statistical estimates at the district level, monitoring of developmental projects, collection and tabulation of data at cattle breeding farms, semen banks etc. the statistical cell both at headquarter and at district level would be strengthened during current year. An allocation of Rs. 3.15 lakhs has been provided for annual plan 1992-93 for this programme.

An allocation of Rs. 2.76 lakh (state share) has been provided for conducting survey to estimate the production of milk, eggs, wool and meat.

### Extension and Training

3.19. Ten veterinarians graduates having 7 years experience to their credit and two agricultural graduates would be sent to Punjab Agriculture University, Ludhiana annually for two years post-graduate studies in different fields during 1992-93. Under extension service, the department would hold milk yielding competition and arrange other camps such as sterility camps, animal welfare treatment camps. A sum of Rs. 12.20 lakhs has been provided for annual plan 1992-93, for this programme.

3.20. A scheme namely 'scheme for the staff components of distt. plan schemes' has been taken up at the state level from 1991-92 with a view to avoid difficulties being faced by the district authorities for the creation/sanctioning of new staff required for implementation of plan schemes at the district level. An outlay of Rs. 92.50 lakh has been provided for annual plan 1992-93 for this programme.

### Veterinary Education & Research

3.21. In animal sciences, research work on cross-bred cattle, improved breeds of buffalo, poultry, piggery and fisheries alongwith their nutrition and disease management will continue in 1992-93. To provide efficient and effective health care to the livestock population in the state veterinary research in thrust areas like epidemiological studies, calf mortality abdominal disorders, rabies control in ruminants radiographic diagnosis and control of snail borns diseases, judicious use of drugs, improvement of buffalo productivity and disease surveillance will be intensified. The main approach, priority and thrust of veterinary plan schemes of Punjab Agricultural University during Annual plan 1992-93 would be as under :—

- (i) Setting up an advanced Research Centre for buffalo reproduction and standardisation of embryo technology for cryopreservation of semen and embryos.
- (ii) Standardisation of performance recording system under field conditions.

- (iii) Multiplication, evaluation and conservation of dairy and poultry germ-plasm.
- (iv) Formulation of economical rations and determination of feed efficiency of the newly evolved cattle, buffalo and poultry breeds/strains.
- (v) Livestock management innovations to reduce calf mortality and increase milk, egg and meat production.
- (vi) Evolving high yielding and multicut fodder varieties.
- (vii) Production of diagnostic kits and vaccines against important livestock diseases.
- (viii) Reproductive disorders in dairy animals need to be investigated on the basis of multidisciplinary approach.
- (ix) Poultry diseases with particular reference to new emerging diseases.
- (x) Establishment of Regional Livestock Research Centres.
- (xi) Nutritional deficiency diseases of dairy animals, modernisation of educational technology for effective teaching-learning process, and
- (xii) training of well qualified, skilled and competent graduates and post-graduates in agriculture and allied fields capable of solving complex problems of Punjab agriculture.

3.22. Grant-in-aid of Rs. 250.00 lakh has been provided for annual plan 1992-93 for the implementation of various veterinary research and teaching schemes of the Punjab Agricultural University.

#### Opening of new/modern hospital/Upgradation of existing Vety. Disp. into Vety. Hospitals

3.23. An adequate and effective health care is a pre-requisite for improving and preservation of precious cattle wealth in the state. To increase the productivity of indigenous livestock, there is need to open new hospitals/dispensaries in the areas where the vety. services are

scanty so that services of qualified veterinary officers would be made available to the livestock owners. To achieve the target of 8,500 livestock per veterinarian there is a need for opening of more hospitals in the state. It is proposed to establish 5 new veterinary hospitals during 1992-93. Besides, 15 per cent capital subsidy would also be given to the private entrepreneurs as an incentive for setting up 10 modern vety. institutions in the state. At present the veterinary dispensaries are manned by veterinary pharmacist, who are qualified to provide first-aid veterinary services only. Thus for providing effective and efficient health care to the valuable livestock there is need for upgrading these dispensaries into full fledged hospitals in which the services of the veterinary officers will be made available. It is, therefore, proposed to upgrade 60 veterinary dispensaries into veterinary hospitals during 1992-93. An allocation of Rs. 130.00 lakhs has been provided for annual plan 1992-93, for this programme.

3.24. With the opening of new vety. hospitals and upgrading of the veterinary dispensaries into veterinary hospitals the total number of Government veterinary hospitals would increase from 901 by the end of 1991-92 to 966 by the close of 1992-93.

#### Setting up of Poly-Clinic at District Head quarters

3.25. For providing specialised multi-disciplinary services for diagnosis, treatment and surgical operation of animals etc. it is proposed that each district of the state may be provided the facility of polyclinic in a phased manner. The polyclinics in districts Gurdaspur, Hoshiarpur and Faridkot have started functioning. The buildings of polyclinic at Sangrur and Patiala are almost completed. An allocation of Rs. 91.50 lakhs has been provided for completing the already sanctioned Poly-clinics of Ropar and Ferozepur and also for the purchase of land for a one more new poly-clinic (Bathinda) during 1992-93.

#### Strengthening of old vety. institutions and providing residential facilities to vety. personnel in the rural area

3.26. The provision for medicines for the veterinary hospitals and dispensaries opened before the start of sixth plan is very meagre, besides the buildings of such institutions are also not of desired standard as now prescribed for these units. Hence these institutions have

been facing great hardship in rendering desired services to the livestock units. Thus there is a need for having a parity of these institutions with ones opened during sixth and seventh five year plan in respect of availability of medicines worth Rs. 20,000 for veterinary hospital and Rs. 10,000 per veterinary dispensary per year and of building facilities. Besides, there is need for providing residential facilities to the veterinary personnel serving in the rural area as the residential accommodation is not available there. The staff of the rural veterinary institutions are putting up in the urban areas with the result that the emergent cases at odd hours remain unattended at their place of posting. To overcome this problem it is proposed that residential accommodation for 20 veterinary officers, 30 veterinary pharmacists and 30 class IV employees will be made available in 1992-93. An allocation of Rs. 100.00 lakhs has been provided for annual plan 1992-93 for this programme.

#### **Aid to Zila Parishad & Panchayat Samities**

3.27. There are 152 veterinary hospitals and 47 veterinary dispensaries functioning under the administrative control of various local bodies i.e., Zila Parishads and Panchayat Samities. In these institutions, veterinary pharmacists and class-IV employees are provided by the concerned local bodies, whereas veterinary officers are provided by the Animal Husbandry Department in these hospitals. The financial position of these local bodies are not satisfactory and they are not in position to provide sufficient infrastructure essentially required for the proper treatment of the sick animals. The funds available with them are meagre even for the purchase of medicines. The buildings of these institutions are mostly in delapidated condition which need immediate repair. An allocation of Rs. 107.68 lakhs has been provided for annual plan 1992-93, as 95 per cent grant-in-aid for salaries of staff and 50 per cent on medicines to be used in these units.

3.28. *To establish an Quarantine Station near Indo-Pak border (Amritsar).*

The illegal trade of livestock on the Indo-Pak border is not uncommon. Thus, there is need to establish an Quarantine Station near the border mainly to immunise/vaccinate these illegal brought animals against the contagious diseases-especially renderpest. It would help preventing spread of such diseases to the animals of our country. It is therefore, proposed to

establish an quarantine station at Attari in Amritsar district where land is available for this programme. An outlay of Rs. 3.20 lakhs has been provided for this programme in Annual Plan 1992-93.

3.29. The Centrally Sponsored scheme regarding subsidising rearing of cross-bred heifers under the Special Livestock Development Programme will remain in operation for 1992-93 and the coverage of operation of the scheme is also to be extended from existing seven district to all the 14 districts of the state. Besides, subsidise programme of rearing of male cross bred calves (in four districts) in 7 districts female buffalo calves is also to be taken in the state from 1992-93 onwards. Under this programme subsidy in the form of cattle feed would be given to small and marginal farmers (50 per cent and agricultural labourer 66 $\frac{2}{3}$ ) for rearing of cross bred heifers from the age of 4 months to 32 months and from the age of 6 months to 45 months in the case of female buffalo calves. As many as 9460 (7510 cross bred heifers 1750 female buffalo calves and 200 male cross bred calves) are to be given subsidy in 1992-93. Besides assistance in the form of subsidy would also be given to the weaker sections of society for setting up of poultry and piggery units. 500 poultry units in 1992-93 (500 layers capacity each) would be set up under this programme. 200 piggery units of 10 piglets or 5 sows capacity each would be set up in 1992-93. Besides, 200 sheep unit of 30 ewes and one ram capacity each would be set-up in current year. An allocation of Rs. 56.17 lakh (state share) has been provided for this programme in 1992-93.

#### **Production and Popularisation of new fodder varieties**

3.30. It is centrally sponsored scheme. Economic milk production can be obtained through the supply of green fodder at reasonable rate through out the year. It is considered absolute essential to pay proper attention towards feed and fodder development of the state. It is felt that by providing quality fodder seed and technical know-how to the farmers the production of fodder can be increased between 20 to 30 per cent. Keeping this in view the programme for the production and distribution of good quality fodder seed to the farmers will be taken up intensively. As such it is contemplated to produce fodder seed through the registered growers in 1000 hectares annually from the present level of 600 hectares. For

popularisation of newly evolved fodder varieties in the state, the following incentives/subsidies will be given to the farmers in Annual plan:—

1. Organising farmers training camps, two in each district.
2. Incentive subsidy for construction of Silopits.
3. Input incentives subsidy to registered growers for the production of quality fodder seeds.
4. Purchase of seeds at the rate of 15 per cent preferential rates, its grading, certification etc. at fodder seed banks.

An allocation of Rs. 25.82 lakhs (state share) has been provided for 1992-93 for this programme.

The information showing the comparative physical performance of the department is given at Annexure—A.

### Dairying and Milk Supply

3.31. Milk is a perfect food for human beings but compared to other developed countries India is lagging far behind in availability of the milk for human consumption. Punjab's position is comparatively better than that of other states. Dairy Development Programme launched in the state aims at meeting the nutritional requirement of growing population in the state as well as in the country. Dairy Programme can also be viewed as an effective instrument of social change through supplementing the income and providing employment to the small and marginal farmers and landless agricultural labourers of the state by supplying the surplus milk to the urban people at a price which is remunerative for the milk producers and reasonable for the consumers. Commercial dairy farming on scientific lines provides the educated unemployed some avenues of gainful self-employment. Development of dairy industry on self-sustaining and self supporting basis can go a long way in checking the migration of people from rural to urban areas.

3.32. Punjab State has a suitable climate and good agriculture base for milk production, besides, there is a network of 44 chilling centres for milk collection and for transferring the milk in bulk to the milk plants. At present there are 15 milk plants, 10 under the control of milkfed and 5 in the private sector in Punjab.

3.33. The main thrust of the department for dairy development for 1992-93 annual plan would

be as under:—

- (i) Increasing milk production by intensive/ extensive programme and promoting diversification in agricultural practices;
- (ii) organising well planned programme of dairy training to milk producers at their door-steps and supply of necessary inputs particularly to the small and marginal farmers for encouraging them to take up dairying;
- (iii) to encourage unemployed rural youth to adopt dairying as gainful employment by giving them training on commercialised scientific milk production;
- (iv) to resettle the ex-servicemen particularly those who come out of armed forces at comparatively young age;
- (v) to ameliorate the economic condition of widows by inducing them to adopt dairying;
- (vi) to bring in quality control in manufacturing of cattle, feed, concentrates and mineral mixtures by implementing an order under essential commodity Act, 1955; and
- (vii) sending the progressive farmers and technical personnel to developed countries and other institutions for advanced dairying training.

3.34. An outlay of Rs. 148.00 lakhs has been provided for annual plan 1992-93 for this sub-head for the implementation of the following schemes/programmes:—

### Staff Component of District Level Schemes

3.35. A 'Scheme for staff component of district plan schemes' has been taken up 1991-92 at the state level for the creation/sanctioning of new staff for implementation of district plan schemes. An allocation of Rs. 5.00 lakhs has been provided for annual plan 1992-93 for meeting the liabilities of existing staff and also for the new staff to be created for running the new training complex being set up at Phagwara.

3.36. The milk production is expected to increase from 4972 thousand tonnes at the end of 1989-90 to 5700 thousand tonnes by the close

of 1992-93. Consequently the per capita availability of milk would also increase from 675 grams to 725 grams during the same period.

#### **Self-employment for rural youth, ex-servicemen and widows by introducing scientific commercialised milk production**

3.37. For providing more opportunities of self-employment in rural area of the state, the dairy industry has been accorded priority and it has been felt that more and more unemployed youth, ex-servicemen and widows can be involved in the dairy profession. For 1992-93 the target for setting up such units has been fixed at 2,000 (comprising 600 dairy units of 3 milch animals each, 1,000 units of 5 milch animals each and 400 units of 10 milk animals each).

In addition to the existing three regional training complexes stationed at Bija (Ludhiana), Sardulgarh (Bathinda) and Tarn Taran (Amritsar), One more training centre is proposed to be set up at Phagwara (Kapurthala) in 1992-93. An allocation of Rs. 130.00 lakh has been provided for annual plan 1992-93. The said allocation will be utilised for setting up of new training complex and for providing the following subsidies and incentives to the candidates:—

- (i) Stipend at the rate of Rs. 200 per trainee for one month course;
- (ii) capital subsidy at the rate of 10 per cent for general candidates and 15 per cent for scheduled castes and candidates of all categories in border areas; and
- (iii) subsidy at the rate of 2/3 insurance premium for three years.

However, interest subsidy to the widows for 2 milch animals would continue to be provided.

#### **Scheme for extension training and education in improved methods of dairying to milk producers**

3.38. For imparting technical know how to dairy farmers in scientific breeding, feeding and farm management and enabling them to take up commercial dairying, it is proposed to continue this programme in 1992-93. 16,800 dairy farmers in Annual Plan 1992-93 are proposed to be imparted advanced dairying training through the eight existing training units of the state. In the plan period each trainee will be given Rs. 60.00 each

as a stipend for five days herd management training course, at the village level. The study tour to advanced countries in dairy development would also be arranged for the progressive farmers. Besides holdings of workshops exhibitions seminars and arranging of group meeting of the dairy farmers for sorting out various aspects concerning dairy development would also form part of this scheme. An allocation of Rs. 13.00 lakhs has been provided for annual plan 1992-93 for this scheme.

#### **Fisheries**

3.39. After green revolution, Punjab state is now on the threshold of a blue revolution. A trend has already been set in favour of diversification of agriculture to fish farming. The farmer is adopting intensive fish culture in ponds and tanks on modern scientific lines through composite fish culture of fast growing species. There is great potential of fish culture in the state. Fisheries resources of Punjab comprise 868 kms. of rivers, 11200 kms. of canals, 5804 hect. of small water reservoirs and lakes. In addition, there are 7135 village ponds covering an area of 4370 hect. which is suitable or can be made suitable for fish culture after some renovation and water supply arrangements. Besides, there are 5228 village ponds covering an area of 2664 hect. which require major renovation work to make these fit for fish culture. Farmers have also started construction of fish tanks on farm land as measure of diversification from agricultural practices in favour of fish farming because they find it more lucrative and less cumbersome. For making fish culture more lucrative and for bringing more area under fisheries the main thrust of the department would be as under during 1992-93:—

- (i) to provide quality fish seed of culturable varieties of fish;
- (ii) coverage of more suitable village ponds under fish farming during current year plan;
- (iii) to provide opportunities for gainful self-employment in rural areas by providing technical and financial assistance and also managing financial support from financial institutions;
- (iv) to provide better extension services at pond site;



- (v) to provide facilities of short-term training in fish farming and to arrange visits of fish farmers to other states;
- (vi) to develop the saline/brackish water into fish farming; and
- (vii) to establish one Integrated Project of fish harvesting, Domestic Marketing alongwith deboning plant in the state.

3.40. At present there are 11 fish seed farms, two hatcheries of 10 hectares each and 11 fish seed nurseries which are producing quality fish seed for the fish farmers in the state. To meet with the increasing demand of fish farmers, 4 new fish seed farms are being set up in the districts namely Ferozepur, Faridkot, Bathinda and Sangrur. To boost fisheries development in the state a big thrust has been accorded to this sector while allocating funds and a sum of Rs. 297.00 lakhs for 1992-93 has been provided against an expenditure of Rs. 184.91 lakh anticipated during 1991-92. It includes provision of Rs. 221.00 lakh for 1992-93 for the schemes to be implemented at district level. It is envisaged that the fish production would increase from 12 thousand tonnes in 1991-92 to 13.00 thousands tonnes by the close of 1992-93.

3.41. An area of 800 hectares is proposed to be brought additionally under fish culture during the year 1992-93 against additional 780 hectares under fish culture during 1991-92.

#### **Extension Programme**

3.42. Under the scheme setting up of fisheries extension units in the state the extension assistance in respect of latest techniques of scientific development of fish culture and other related problems/activities in fish culture would be provided to the fish farmers at pond sites. For this purpose 14 posts of Fisheries Extension Workers will be created at sub-divisional level during Annual Plan 1992-93. An amount of 10.00 lakhs has been provided for annual plan 1992-93 for this programme.

#### **Training of Fisheries Personnel**

3.43. Under this scheme, 3 Fisheries officers for one year training course at Barrack-pore (Calcutta) and two field Assistant/Fisherman for specialisation at Inland Fisheries Cooperatives at Regional Training Institute Chinhat (Lucknow) for nine months training course are proposed to be sent during 1992-93.

Besides, it is proposed to have a study tour for 100 fish farmers to other states annually where they would gain on the spot studies. An outlay of Rs. 1.00 lakh is provided for annual plan 1992-93.

#### **Direction and Administration**

3.44. An outlay of Rs. 5.00 lakhs has been provided for annual plan 1992-93 for strengthening the administrative and statistical staff at headquarters.

#### **Two 10 hectares hatcheries**

3.45. Under Centrally Sponsored Scheme two 10 hectares fish seed hatcheries at Dhandua (Jalandhar) and Phagan Majra (Patiala) have since been completed and have become functional. The target for producing the quality fish seed in these two hatcheries has been fixed at 30 lakhs fingerlings for 1992-93. An outlay of Rs. 8.00 lakhs has been provided for annual plan 1992-93 for meeting the liabilities of the existing staff for the two hatcheries.

#### **Staff Component of District Plan Scheme**

3.46. A scheme for staff component of district plan schemes. An allocation of Rs. 52.00 lakhs has been provided for annual plan 1992-93 for this scheme.

#### **Fish Farms/Fisheries Nurseries (new/existing)**

3.47. Under this programme the department proposed to set up 4 new fish seed farms in the districts namely Ferozepur, Faridkot, Bathinda and Sangrur. The opening of these new fish seed farms have become necessary for making regular/timely supply of quality fish seed to the fish farmers of these area. Land for these seed farms have already been purchased in the year 1990-91 and 1991-92. Besides it is also proposed to affect additions/alterations in the existing 11 fish seed farms and an equal no. of fish seed nurseries as per requirement of changed/advanced technology of fish seed production. An outlay of Rs. 80.00 lakhs has been provided for annual plan 1992-93 for this scheme.

3.48. Under the scheme Assistance to Fish Farmers Development Agencies the following programmes are to be initiated in 1992-93:

- (i) Development of Brackish land of 25 hectares in 1992-93 in three districts namely Faridkot, Ferozepur and Bathinda.

(ii) The Integrated Project of fish harvesting, domestic marketing alongwith deboning filleting and processing etc. would be set up in the state for promoting marketing of fish produced in the state. It would help avoid glut of fish production in the state. A Projects would be taken up during 1992-93.

(ii) 50 villages ponds, would be developed in 1992-93, the Fish Farmers Development Agencies themselves or these would be given on lease after development. Besides, the existing programme for providing subsidy for the construction of fish farms would be more intensified.

An allocation of Rs. 141.00 lakhs has been provided for Annual Plan 1992-93.

### Forests

3.49. The total geographical area of Punjab State is 50,357 sq. kms. out of which about 84 per cent is under Agriculture. The area under forests is quite insignificant, as according to the National Forest Policy, 1988, at least 33½ per cent of total geographical area should be under forests. The area under forests in Punjab State is 2,86,596 hectares which is about 5.70 per cent of the total land area of the State. Breakup of this area according to legal status is given as under :—

Particulars	Plain	Hills	Total
	(ha)	(ha)	(ha)
<b>A. Government Forests</b>			
1. Reserve forests	1,636	2,700	4,336
2. Protected forests	14,248	22,700	36,948
3. Strip forests (roads, railways canals, drains,)	72,471	—	72,471
4. Unclassed forests	16,389	4,700	21,089
<b>Total—Government Forests</b>	<b>1,04,744</b>	<b>30,100</b>	<b>1,34,844</b>
<b>B. Private Forests</b>			
5. Area closed under Section 5 of Punjab Land Preservation Act, 1900 (LPA) & Section 38 of Indian Forest Act, 1927 (IFA) (closed for grazing)	1,601	63,591	65,192
6. Areas closed under Section 4 of land Preservation Act, (open to grazing)	—	86,560	86,560
<b>Total—Private Forests</b>	<b>1,601</b>	<b>1,50,151</b>	<b>1,51,752</b>
<b>Grand Total</b>	<b>1,06,345</b>	<b>1,80,251</b>	<b>2,86,596</b>

3.50 50 per cent of the total forest area is situated in the sub-montaneous area of the State and the remaining 50 per cent is confined to the compact blocks/birs and along strips of roads, railways, canals, drains and bandhs etc. It is, thus, evident that the area under forests is quite meagre and thus there is an urgent need to augment the forest resources of the State by bringing all the available lands under the tree cover.

3.51 Comparatively better category of area has already been planted and area now left for planting is mostly saline/alkaline, low-lying, water-logged, undulated or located close to

habitation and is mainly situated along the strips of roads, railways and canals etc. These areas are prone to grazing and thus need special protection measures and for which more input is required. Conservation of soil and water is required in some areas of Shivalik for plantation.

3.52 In view of the deficiency of forest resources and in the light of the foregoing facts, the following strategy will be adopted during 1992-93.

- (i) Most of the Government Forest areas have already been successfully planted up and mostly problematic areas

such as saline/alkaline, lowlying water-logged, ravined, areas along river beds having thick and tall growth of weeds and area prone to heavy pressure of grazing remain to be tackled. In these areas more in-puts and operations like addition of gypsum, fertilizers, ploughing, making of ridges, repeated uprooting of weeds and strong fencing will be provided for raising successful plantations. In Government block forests, irrigated plantations mainly timber species will be raised. Avenue line along roads and main canals will be planted up with tall plants mainly of indigenous species like, neem, jamun, mango, arjun, drek, siris, shisham, tun, simal etc. Under the new scheme, 'Integrated waste land development project,' the areas to be treated on an integrated basis by selecting specific catchments, wherein all suitable aspects like afforestation, soil and water conservation and horticulture will be taken care of. Fruit trees like Jamun, mango, ber, guava, amla, bahera etc. will also be planted in addition to other species for making these fruits available to the rural poor;

- (ii) More emphasis will be laid on maintenance and up-keep of plantations for better success;
- (iii) In undulating areas and Shivahks thrust will be to conserve soil and water and to improve water re-charging system through various soil conservation measures like gully plugging, check daming and providing vegetative barriers;
- (iv) Previously main species planted were eucalyptus, khair and kikkar. Diversification of tree species will be done by introducing the species like teak, tun, gmelina, neem, siris, drek, rajain, simal, poplar, amla, chil, bamboo, arjun, bahera, mulberry, shisham, mango, jamun, willow etc.;
- (v) Under farm forestry private farmers will be encouraged to grow species like poplar, kikkar, drek, tun,

bamboo, teak etc. in addition to eucalyptus;

- (vi) More attention will be paid to educate the farmers about planting, up-keep and marketing of various species suitable for farm forestry;
- (vii) So far, sufficient attention could not be paid to the protection of forests against fires and grazing mainly because of lack of sufficient funds. Now under the new scheme 'Development of Infrastructure for the protection of forests from biotic-interference', infrastructure like strong fencing, fire lines, watch-towers and fire fighting equipment will be created for protection of forests against fire and grazing; and
- (viii) There is now an urgent need to improve genetic base of main forestry species by selecting plus trees and raising of seed orchards. Under the new centrally sponsored scheme 'collection, certification, grading and storage of seeds of forest species including legumes and grasses', quality seeds of important species will be produced to meet the requirement.

3.53. In order to continue the forestry operation in the State a provision of Rs. 812.00 lacs has been made for the sub-head Forestry and Wildlife during the Annual Plan 1992-93, out of which an outlay of Rs. 611.00 lacs has been provided for the schemes to be implemented under the District Plan. The various schemes of this sub-head are discussed below:—

#### **Forest, Research, Education and Extension Training**

3.54. Forest research is being conducted partly by the Punjab Agricultural University, Ludhiana and partly by the Forest Department. The research would comprise the various problems-utilisation of forest produce and to find other suitable species for the State. The training will be imparted to various levels of forestry officials, farmers and development workers. Moreover the officers of the department will make use of training camps organised by Agriculture Department to impart training and education in forestry to the people and the officials of the Agriculture Department. An outlay of Rs. 16.00 lakhs has been provided for 1992-93.

## Plantation Schemes

3.55. An outlay of Rs. 766.00 lakhs has been allocated for this programme during 1992-93. This outlay will be utilised for undertaking afforestation over the areas owned by individual and the State. In order to supplement wood resources and to utilise State waste lands, plantation of timber and economic species like shisham, kikkar eucalyptus, khair, mulberry, poplar bamboo, siris, drek, gmelina, chil, neem, teak etc. would be raised in block forest, strips, along railway lines, roads, canals and river banks to meet the agricultural, domestic and industrial requirements. Special emphasis will be in planting poplar and plantation of eucalyptus will be reduced during 1992-93.

3.56 An outlay of Rs. 150.00 lakhs is provided for 1992-93 under the centrally sponsored plan scheme "Fuel wood and Fodder Project" for raising plantations and grasses over an area of 2570 hectares with fast growing species to meet the demand of fuelwood and fodder in the State. Matching share under the scheme will be provided by Government of India. Besides, another centrally sponsored scheme namely 'Development of infrastructure for the protection of forests' is proposed to be implemented during 1992-93 for the creation of infrastructure for the protection of forests from two big hazards of fire and grazing. An outlay of Rs. 15.00 lakhs for 1992-93 has been provided under this scheme. Matching assistance will flow from Government of India.

3.57. Under the Plan scheme 'Raising of forest plantation in Government land' an outlay of Rs. 381.00 lakhs for 1992-93 is provided against the expenditure of Rs. 330.00 lakhs during 1991-92 for raising plantation on 2,500 hectares. Under the scheme 'Farm forestry' an outlay of Rs. 70.00 lakhs for 1992-93 is provided against the expenditure of Rs. 60.00 lakhs during 1991-92. This outlay would be utilised for the supply of saplings of different species to the public at subsidized rates. It is envisaged that during 1992-93, 45 lakh saplings would be distributed against the supply of 41.91 lakh plants in 1991-92.

3.58. A plan scheme namely 'Regeneration, afforestation, treatment and reclamation of forest areas' has been introduced during 1991-92, for the speedy development of Kandi area in the State. Ten watersheds in

Hoshiarpur district have been selected for treatment of degraded areas in upper-catchment and protection of bunds/stream banks through vegetative means. The degraded upper catchment areas will be rehabilitated through afforestation, sowing and tending of natural plants. Additional essential operations like gully-plugging, bhabbar grass planting, rubble stones and vegetative check-dams and choe training works will be executed. An outlay of Rs. 150.00 lakhs has been provided during 1992-93 for covering an area of 1,550 hectares under this scheme.

3.59. In order to supplement the plantation schemes, the following 100 per cent centrally sponsored schemes are proposed to be implemented during 1992-93:—

### (i) Decentralised People's Nurseries

It is a 100 percent centrally sponsored scheme, which aims at raising of trees with the involvement of poor people to help them by way of providing financial and technical assistance. The nurseries would be set up through individuals, farmers and schools. Under this scheme, an outlay of Rs. 25.00 lakhs has been provided for 1992-93 to supply 35.70 lakh plants.

### (ii) Integrated Waste Land Development Project

This is also a 100 percent centrally sponsored scheme which aims at the integrated development of waste lands. Large number of areas such as saline/alkaline, water-logged, ravined and degraded forests which are unproductive and lying waste in the State will be developed with suitable techniques by afforesting them. An amount of Rs. 180.00 lakhs has been provided during 1992-93 for treating and planting an area of 2,800 hectares.

### (iii) Collection, Certification, Grading and Storage of seeds of Forest species including Legumes and Grasses

This scheme aims at collection, certification, grading and storage of seeds of forest species, establishment and development of seed orchards, clones and seedlings to meet the need for quality seeds and long term seed requirements. It is also proposed to set up a seed testing laboratory for the purpose. An outlay of Rs. 10.00 lakhs for 1992-93 has been allocated under this scheme.

(iv) *Minor Forest Produce.*

This is a new 100 per cent Centrally sponsored Scheme introduced by Government of India for implementation during 1991-92 in two Districts of Ropar and Hoshiarpur, comprising the Kandi tract of the State. There are vast areas of degraded forests with scattered area growth which comprise community or private lands in this area. As there is large potential for the development of fruit bearing and minor forest produce in this area, species of plants like khair, Amla, Imly, Bahera, Harar, Neem, Mango, Jaman, Mahuwa, Kathal, Arjan, Bamboo, Bhabbar grass etc. would be raised. An outlay of Rs. 53.50 lakhs for 1992-93 has been provided for covering an area of 900 hectares.

### **Wild Life Preservation**

3.60. For the preservation of wild life programme in the State two centrally sponsored schemes on 50 : 50 sharing basis namely 'Control of poaching and illegal trade in wild life' and 'Assistance for the development of selected zoos', have been proposed to be implemented during 1992-93.

3.61. Under the scheme 'Control of poaching and illegal trade in wild life' an outlay of Rs. 3.00 lakhs for 1992-93 is provided. For the scheme 'Assistance for the development of selected zoos' an outlay of Rs. 2.00 lakhs for 1992-93 has been provided. Matching share for both these schemes would also flow from Government of India. Also, a 100 per cent centrally sponsored scheme "Assistance for the development of sanctuaries", would be implemented during 1992-93 for assisting in the development of five sanctuaries in the state by way of fencing the shallow water belts, education and interpretation of wild life, scientific studies on avifauna, preparation of publicity material, construction of water holes for wild animals etc. An outlay of Rs. 32.00 lakhs for 1992-93 has been provided under this scheme.

### **Establishment of Tiger Safari at Ludhiana**

3.62. Due to the increase of tiger population at Chhat-Bir Zoo, it was decided to shift some

of the tigers to tiger safari at Ludhiana. The total cost of the project was estimated at Rs. 30.00 lakhs during the Seventh Five Year Plan out of which an amount of Rs. 29.00 lakhs was provided upto 1989-90, for the construction of enclosures for animal. Due to high cost escalations of building materials and revised labour charges, certain works already taken up could not be completed for which an amount of Rs. 30.00 lakhs has been provided during 1990-91 and 1991-92. Against the total funds provided under this project upto 1991-92 an expenditure of Rs. 56.41 lakhs has been incurred. For running the Tiger Safari and maintaining it, the works like water supply arrangement, cleaning of enclosures, watch and ward, repair of road fences, feeds and medicines, catering to the needs of visitors for providing public amenities, running and maintenance of vehicles, maintenance of buildings, parks, resting places and sewerage system etc. are to be executed during 1992-93. For the purpose, an outlay of Rs. 10.00 lakhs for 1992-93 has been allocated.

### **Other Programmes**

3.63. Under other programmes, for the State scheme namely 'Demarcation and settlement of Forest areas', an outlay of Rs. 5.00 lakhs for 1992-93 has been provided.

### **Construction of Buildings**

3.64. Due to the expansion of State Forest Department, it is felt to provide more accommodation to forest staff at Government expenses as the staff is generally posted in remote areas at the odd places, where suitable accommodation is not available at reasonable rates. Apart from this, it is also proposed to provide accommodation for various offices and inspection huts at some places for the supervision of forestry operations. An outlay of Rs. 10.00 lakhs for 1992-93 has been provided for this purpose under this scheme.

3.65. During 1992-93 afforestation works on 17,395 hectares would be carried out, besides, the distribution of 80.70 lakh plants to the public for planting in private lands.

3.66. The targets/achievements of afforestation work and distribution of saplings during the Seventh Five Year Plan 1985-90, Annual

Plans 1990-91, 1991-92 and 1992-93 under different schemes/programmes are given as under:—

Sr. No.	Item	Unit	Seventh Five Year Plan (1985-90) Achievement	1990-91 Achievement	1991-92 Achievement	1992-93 Target
1	2	3	4	5	6	7
1.	FT.—2.2 Fuelwood and Fodder Project (CSS State Share)	Hect.	21410	2620	3600	2570
2.	Integrated Watershed Development Project (Hills)	Hect.	25830	2500	7142	7075
3.	CS—1 Integrated Waste land Development Project (CSS—100%)	Hect.	—	2950	2965	2800
4.	CS—7 Decentralised People's Nurseries	No. lakhs.	231.89	75.61	72.08	35.70
5.	FT 2.3 Raising of Forest Plantation in Government lands	Hect.	12280	2250	2250	2500
6.	FT 2.4 Farm Forestry	No. lakhs	100.40	61.78	41.91	45.00
7.	FT 2.5 Regeneration/Afforestation/Treatment/Reclamation of Forest areas.	Hect.	—	—	800	1550
8.	CS—12 Minor Forest Produce	Hect.	—	—	400	900
9.	Other 7th Plan Schemes merged or discontinued in 8th Plan	Hect.	28295	—	—	—
Total		Area (Hect.)	87815	10320	17157	17395
		Saplings (No. lakhs)	332.29	13739	113.99	80.70

### Rural Development

3.67 Rural Development is a growth oriented change in rural communities. It aims at initiating a process which may help the attainment of one's own cultural values and foster a good or rich life which means more and better life-sustaining goods for all, respect for other and self-esteem, freedom from tyranny of any kind and community life which gives a sense of belonging. For the purpose, anti-poverty programmes like I.R.D.P., NREP and RLEGP were implemented during the Sixth and Seventh Five Year Plans to increase the income of the poor and landless labourers to enable them to cross the poverty line. After the discontinuation of NREP and RLEGP from 1st April, 1989, 'Jawahar Rozgar Yojana' was launched in 1989-90. During 1992-93 special emphasis has been proposed to be laid on the poverty alleviation programmes which are to be implemented, at District level with an accelerated pace. Under this head of development, substantial outlays have been provided for the programmes like I.R.D.P. and Jawahar Rozgar Yojana in the District Plan to increase the income of the rural poor to enable them to cross the poverty zone. Under the sub-head Community Development and Panchayats, the main programme 'Improvement of rural environment and infrastructure,' would be implemented at District level under which different schemes relating to village sanitation and

infrastructure, implemented during Seventh Plan have been clubbed. This programme aims at providing better quality of life through improved environment and sanitation package in rural areas by way of construction of drains and disposal of sullage water, construction and improvement of compost pits, provision of soakage pits with platforms for hand-pumps, construction of latrines, improvement of cremation grounds and flaying yards etc. Apart from this, schemes for the improvement of lot of women and children in the rural areas are also proposed to be implemented with greater emphasis on income generating activities by way of providing seed margin money to women and assistance to Balwadis for making women-folk more self-reliant. Also the women will be helped in getting loan assistance through District Rural Development Agencies for creation of revenue earning assets under DWCRA. A new 'Rural Housing Programme' would also be implemented at district level during 1992-93 for the construction of individual houses/complexes for the rural people. The department of Rural Development will develop the necessary infrastructure in the villages where such houses are to be constructed.

3.68 An outlay of Rs. 4476.13 lakhs for the Annual Plan 1992-93 has been allocated for this head of development, out of which an amount of Rs. 4437.28 lakhs has been provided for the schemes under District Plan. Almost the entire outlay

under this sector for the development of rural areas and directly benefitting the rural masses has been earmarked for implementation at district level. Various schemes under this head are discussed below :—

#### Staff Schemes for IRDP

3.69 Integrated Rural Development Programme is a continuing national programme for which the staff at head-quarters is working since the inception of the programme to supervise and control this programme throughout the State. For effective implementation of IRDP in the State, the existing staff would be continued during 1992-93 for which an outlay of Rs. 10.00 lakhs has been provided to meet their salaries against the expenditure of Rs. 8.22 lakhs during 1991-92. For proper and effective implementation of IRDP in the State, monitoring and auditing is most necessary. The staff under the scheme 'Monitoring cell at State Headquarters under IRDP' is working at the State headquarters for monitoring of IRDP and the expenditure is being shared on matching basis between the Centre and the State. During 1992-93 this staff will continue for which an outlay of Rs. 4.15 lakhs as State share has been provided. Matching share will flow from Govt. of India.

#### Installation of Computer at State Head Quarters

3.70 For effective monitoring of IRDP in the State, installation of computer at State headquarters has been considered necessary. It would help in carrying out the work efficiently under the programme by utilising the scientific know-how. An outlay of Rs. 0.90 lakh for 1992-93 as State share has been provided for the maintenance of computer. Matching share will flow from Government of India.

#### Training & Study Tour of Officials and Non-Officials

3.71 This is an on-going scheme under which another scheme 'National Net Work of Nirman or Nirmithi Kendras' initiated in 1991-92 has been merged for implementation during 1992-93. The training and study tours are to be taken up on scientific basis to acquaint the members with the working of Panchayati Raj system in other States. It will also help the understanding among the people of other States of the country and ultimately promote the national integration and unity of the country. In the developing country as in ours, executing agencies—Mason, labour and other people engaged in building technology are not technically sound and the construction works which they undertake sometimes end in failure. For the purpose, training will be imparted to local artisans, youth and home owners to improve their skill, knowledge and technical know-how in the transfer of appropriate low-cost building technology to the local houses. The objectives of the training under this scheme will be as under :—

- (1) To provide an exposure to various rural development programmes including organisational arrangements.

- (2) To appreciate the role of Local Self Government in the context of rural development.
- (3) To provide an understanding of decentralised planning at district and block level in the planning, monitoring and evaluation for the implementation of various rural development programmes.

3.72. During 1992-93, an outlay of Rs. 7.00 lakhs has been provided. It is envisaged that with this amount 80 persons in 1992-93 would be sent on tours and 2 building centres will be constructed. For the construction of Nirmithi Kendras grant/loan will also be arranged from HUDCO and the Department of Science & Technology. The funds provided under this scheme will be utilised as per the details given below:—

(Rs. in lakhs)

Item	Annual Plan (1992-93)
1	2
(A) (i) Sponsoring of officers/officials for different diploma courses & training programme in India and abroad.	0.14
(ii) Honorarium to guest lecturer/experts (Out of State)	0.06
(iii) Strengthening of organisational set up of training wing of the department at District head quarters	0.20
(iv) Study tour of Non-officials	0.60
(B) Construction of 2 Nirman or Nirmithi Kendras	6.00
<b>Total</b>	<b>7.00</b>

#### Issue of Yellow Cards for the identification of Weaker Sections

3.73. To implement the IRDP in the State, beneficiaries are identified to whom the Yellow cards are issued for taking up the benefits under this programme. During 1992-93 an outlay of Rs. 1.80 lakhs has been provided to meet the expenditure of printing the yellow cards.

#### Management Information System/Cell at the State Headquarters

3.74. To computerise Planning, implementation, monitoring and evaluation of various schemes

under decentralisation and maintain every type of information readily available, a Management Information System/Cell is proposed to be set up at State Headquarters during 1992-93, which will generate better output for decision making at the higher level and tangible benefits at the grass-root level in the rural areas of the State. The areas identified for computerisation/MIS will be as under :—

- (i) Infrastructure information system.
- (ii) Land & property data base of Panchayati Raj Institutions.
- (iii) Scheme monitoring system.
- (iv) Personnel management information system.
- (v) Cattle fair management system.
- (vi) Fleet monitoring system.

(vii) Shamlat land management system.

3.75. During 1992-93 an outlay of Rs. 14.80 lakhs has been provided for setting up MIS/Cell at State Headquarters.

**Demonstration of Improved Chullas in Rural Areas :**

3.76. This scheme was started during 1984-85 as a 100 per cent centrally sponsored scheme to facilitate cooking by the rural households with minimum possible health hazards by introducing smokeless chullas. Since the inception of the programme from 1984-85 to 1991-92 an amount of Rs. 322.62 lakhs has been provided and utilised against which 5,95,970 chullas have been constructed and 4,244 smokeless villages created. The project is designed as a programme for women and by women so that they themselves become the agents of change for mitigating their drudgery and health hazards through the use of efficient improved chullas.



3.77. The targets fixed by Government of India, achievement made by the State and funds allotted and spent from the year 1984-85 to 1991-92 and targets during 1992-93 are as under:—

**TABLE 3.1** Progress of Improved Chullas

Year	Funds allotted (Lakhs)	Expenditure (Lakhs)	No. of Chullas to be constructed	No of Chullas constructed	Training camps to be held (No.)	Training camps held (No.)	Smokeless villages to be created (No.)	Smokeless villages created (No.)
1	2	3	4	5	6	7	8	9
1984-85	32.19	32.19	25000	44458	250	216	250	232
1985-86	39.25	39.25	35000	58762	200	182	450	310
1986-87	28.10	28.10	42000	42000	125	126	150	185
1987-88	15.00	15.00	40000	40000	100	138	200	289
1988-89	39.30	39.30	40000	89550	15	15	200	451
1989-90	68.81	68.81	50000	141400	15	15	—	862
1990-91	59.97	59.97	50000	99800	15	15	1000	1370
1991-92	40.00	40.00	50000	80000	15	15	1000	545
1992-93 (Target)	78.50	—	50000	—	15	—	—	—

3.78. An outlay of Rs. 78.50 lakhs for 1992-93 has been provided as 100 per cent share of Government of India. Against these funds 50,000 chullas in 1992-93 are expected to be installed. The funds proposed would be utilised for the following purposes:

(Rs. in lakhs)

Item	Annual Plan (1992-93)
1	2
(i) Organising training camps at the rate of Rs. 8,000 per camp for 15 camps	1.20
(ii) (a) Installation of improved chullas at the rate of Rs 55 per chulla for 50,000 chullas	27.50
(b) Cost of Portable Chullas at the rate of Rs. 100 per chulla supplied to each block (118×100=11,800)	11.80
(c) Honorarium to self-employed workers and T. A. etc. Honorarium Rs. 10 fixed at the rate of Rs. 5 per chulla (Portable) Rs. 25 per common kitchen	36.00
(iii) Staff (Pay and allowances)	2.00
Total	78.50

#### Extension of Training Centres

3.79. This scheme was initiated in 1985-86 as 100 per cent centrally sponsored scheme but actually implemented in the state during 1988-89. This scheme aims at assisting the Community Development Training Centres at Nabha and Batala for conducting short term training courses, for block officers/village level workers, organising seminars, conferences and workshops, carrying out research projects/services and creating other training infrastructure. An outlay of Rs. 8.00 lakhs for 1992-93 has been provided for this scheme.

3.80. In the District Plan of this sector, under the 'Beneficiary Oriented Programme', IRDP, DWCRA and 'Strengthening of Infrastructure under TRYSEM' are the schemes which would be implemented during 1992-93 under which self-employment is to be generated. Training Infrastructure would be further strengthened by providing more infrastructural facilities in selected I.T.I.'s and Polytechnics for the training of rural youth in necessary skills and technology to enable them to set up self-employment ventures. Apart from this, 'Promotion and Strengthening of Mahila Mandals' and 'Composite Programme for Women and Pre-School Children' are the other schemes which would be implemented in 1992-93 under this category. Under 'Infrastructure Oriented programme', the schemes 'Jawahar Rozgar Yojana', 'Financial Assistance to Panchayati Raj Institutions for Revenue Earning Schemes', 'Rural Housing Programme' and 'Improvement of Rural Environment and Infrastructure' would also be implemented in 1992-93. Some on going schemes which had been implemented during Seventh Plan have been merged in the main programme 'Improvement of Rural Environment and Infrastructure'.

This programme aims at improving the rural environment and infrastructure for providing a quality of life to the rural people. Details of works to be taken up under District Plan during 1992-93 are discussed below:—

#### Integrated Rural Development Programme (IRDP)

3.81. It is the main poverty alleviation programme, which aims at improving the economic condition of the rural poor living below the poverty line. Families with annual income upto Rs. 4,800 to whom the yellow cards have been issued, will be benefitted from this programme during 1992-93. Under this programme, capital subsidy to the extent of 33½ per cent and 50 per cent to the general category and scheduled castes and handicapped beneficiaries is being provided by the State and the Central Governments on matching basis while the loan for particular venture is financed by the commercial banks. According to the latest guidelines issued by Government of India, subsidy with a ceiling of Rs. 3,000 to ordinary categories and Rs. 5,000 to scheduled castes and handicapped is to be provided to a particular beneficiary for the establishment of a single industrial unit. During the 7th Five Year Plan 2.01 lakh new and 1.55 lakh old families below the poverty line had been assisted. Since the inception of the scheme 5.97 lakh families had been covered up to the end of Seventh Five Year Plan out of 10.82 lakh families identified. Besides, during 1990-91, 35,944 beneficiaries were assisted and 27,453 beneficiaries covered in 1991-92.

3.82. During 1992-93 it is proposed to provide assistance to 25,000 beneficiaries and an outlay of Rs. 560.00 lakhs (State share) has been provided for this purpose against the expenditure of Rs. 429.23 lakhs during 1991-92. Government of India will provide matching assistance. Out of the total beneficiaries to be assisted during 1992-93, 50 per cent will be S.Cs. Besides, it is anticipated that bank loan amounting to Rs. 19.98 crores will also be arranged for the target group through the DRDAs to enable the beneficiaries to raise their level of income and ultimately cross the poverty line. Main thrust of this programme would be on setting up various types of small industrial units and the absorption of unemployed persons in industry, services and business enterprises. Government of India has also introduced group life insurance scheme for I.R.D.P. beneficiaries with effect from 1st April, 1988.

3.83. Progress under IRDP and Allied Programmes during the Sixth/Seventh Five Year Plan, 1990-91, 1991-92 and target for 1992-93 are given in the tables below:—

Progress of IRDP during Sixth/Seventh Five Year Plans and from 1990-91 onwards

(Rs in Lakhs)

Table 3.2

Item	Achievement 6th Plan (1980-85)	Achievement 7th Plan (1985-90)	Achievement 1990-91	Cummulative Achievement upto 1990-91	Achievement 1991-92	1992-93 Target
1	2	3	4	5	6	7
<b>1. Exp. during the year (including Central share)</b>	.. 4551.28	5551.75	1050.47	11153.50	922.31	1250.00 (including Provision of TRYSEM)
<b>2. Subsidy advanced</b>						
(i) SCs	.. 1929.02	2373.31	473.95	4776.28	425.85	499.52
(ii) Others	.. 1786.33	2269.37	360.96	4416.66	289.39	499.52
<b>Total</b>	.. 3715.35	4642.68	834.91	9192.94	715.24	999.04
<b>3. Bank Loan advanced</b>						
(i) SCs	.. 3715.78	5692.20	692.92	10100.90	589.38	999.04
(ii) Others	.. 3686.93	5587.42	874.65	10149.00	731.25	999.04
<b>Total</b>	.. 7402.71	11279.62	1567.57	20249.90	1320.63	1998.08
<b>4. Beneficiaries Covered</b>						
(i) SCs. (Nos.)	.. 202149	186941	18198	407288	14177	12500
(ii) Others (Nos.)	.. 193613	169240	17746	380599	13276	12500
<b>Total</b>	.. 395762	356181	35944	787887	27453	25000
<b>5. Persons trained under TRYSEM (Nos.)</b>	.. 54095	40921	10287	105303	5003	8000
<b>6. Persons self- employed (Nos.)</b>	.. 20254	28205	10277	58736	3613	8000
<b>7. Groups organised/ strengthened under DWCRA (Nos.)</b>	.. —	1078	220	1298	370	500

Provision of assistance to new and old beneficiaries under IRDP during Sixth/Seventh  
Five Year Plans and 1990—91 onwards.

Table 3.3

Year/Item	Subsidy advanced (Rs. in Lakhs)	Bank loan advanced (Rs. in Lakhs)	Beneficiaries (No.s)
1	2	3	4
<i>Sixth Plan (1980—85)</i>			
New	3715.35	7402.71	395762
Old	—	—	—
Total	3715.35	7402.71	395762
<i>Seventh Plan (1985—90)</i>			
New	3159.63	7154.18	201645
Old	1483.05	4125.44	154536
Total	4642.68	11279.62	356181
<i>1990-91</i>			
New	831.13	1552.51	35672
Old	3.78	15.06	272
Total	834.91	1567.57	35944
<i>1991-92</i>			
New	712.91	1316.39	27345
Old	2.33	4.24	108
Total	715.24	1320.63	27453
<i>1992-93</i>			
New	999.04	1998.08	25000
Old	—	—	—
Total	999.04	1998.08	25000

### Development of Women and Children in Rural Areas (DWCRA)

3.84. As adequate benefits were not reaching to the women under IRDP, a programme for Development of Women and Children in Rural Areas (DWCRA) was introduced in September, 1982 at national level on a pilot basis with a view to increasing their income and also providing support services for income generating activities. Under this centrally sponsored scheme, assistance is to be provided either to individual women or to those organised in homogeneous groups to take up economically viable activities together with provision of support services and child care facilities. These groups are to work in the following lines :—

- (i) These women groups are to ensure that individual women take advantage of the facilities already available under IRDP.
- (ii) These groups would take up economically viable activities on a group basis.
- (iii) Supportive services to the women of the target group are to be provided for the care of children while women are at work and the provision of suitable appliances to them.
- (iv) Organising child care facilities to provide security, health care and nursing of the children at work-sites.

3.85. This scheme was initiated during 1984-85 in Punjab, but no expenditure could be incurred due to late release of funds and thus the scheme actually got implemented from 1985-86. During the Seventh Plan (1985-90) an amount of Rs. 57.01 lakhs was utilised against which 1078 groups were assisted. During the year 1987-88 no funds were provided under the scheme. During 1990-91, 220 groups were benefited. For 1992-93 an outlay of Rs. 25.50 lakhs is provided against the expenditure of Rs. 14.84 lakhs during 1991-92 for assisting 500 groups. Matching assistance will flow from Government of India. In addition to this UNICEF would meet expenditure on account of staff and basic child care facilities at work sites and equipment for training and demonstration. Since the inception of the scheme, 6 districts of Punjab, i.e. Bhatinda, Gurdaspur, Ferozepur, Sangrur and Hoshiarpur have been covered and Kapurthala district has been included from

1991-92. During 1992-93 Jullundur District would also be covered under this programme.

### Jawahar Rozgar Yojana

3.86. The National Rural Employment Programme (NREP) and Rural Landless Employment Guarantee Programme (RLEGP), which were implemented during the sixth and Seventh Five Year Plans had been discontinued from 1st April, 1989 and merged into one single rural employment programme namely 'Jawahar Rozgar Yojana', which is shared by the Centre and the State in the ratio of 80:20 respectively. The total amount both of the Centre and the State is to be released direct to the districts. After retaining 6 per cent for 'Indira Awaas Yojana', out of the balance, 80 per cent is required to be transferred to the Gram Panchayats and the balance 20 per cent funds could be utilised at the district level for inter block/village works. Foodgrains will be provided under the Yojana to the implementing agencies in those States/U.T.s, who accept the same. The foodgrains will be part of overall resources to be shared in the ratio of 80 : 20 between the Centre and the State. The rate of distribution of foodgrains is not to exceed 1.5 kg. per manday.

3.87. It is envisaged that this programme will provide fuller employment opportunities to atleast one member of each family living below the poverty line who seek unskilled employment. It is presumed that the distribution of the resources to Gram Panchayats will result in increasing the coverage of the programme to all the rural areas and also ensure total participation of the people in its implementation. The objects of the programme are given as under:—

#### (a) Primary Objective

Generation of additional gainful employment for the un-employed and under-employed persons, both men and women in the rural areas.

#### Secondary Objective

- (i) Creation of productive community assets of direct and continuing benefits to the poverty groups and for strengthening the rural, economic and social infrastructure, which will lead to rapid growth of rural economy and steady rise in the income levels of the rural poor.

(ii) Improvement in the overall quality of life in the rural areas.

3.88. Under this programme, people below the poverty line will be the target group and preference will be given to SCs. and STs. for employment. Thirty per cent of the employment opportunities under the Yojana will be for the women. As per the guidelines/manual issued by Government of India, the norms of sectoral allocations for DRDAs/Zila Parishads are as under :—

(1) An earmarking of allocation for 'Indira Awaas Yojana', which is to be shown separately, will be 6 per cent of the total allocation received by DRDAs/Zila Parishads. These funds will be operated at the district level for the construction of houses under 'Indira Awaas Yojana'.

(2) Out of the balance funds, allocation for the district, the following items will be the first charge :—

(i) Administrative expenditure up to 5 per cent of the annual allocation.

(ii) Expenditure on maintenance up to 10 per cent of the annual allocation.

Balance resources under the programme will be utilised for different sectoral works as under :—

(a) Economically productive assets	35%
(b) Social forestry work	25%
(c) Individual beneficiaries scheme for SC/ST including Million Wells Scheme	15%

(d) Other works including roads and buildings 25%

3.89. At the Panchayat level the distribution of the funds is to be done as under:—

(i) Administrative expenditure upto 5 per cent of the annual allocation (out of it 1/5 can be spent on training).

(ii) Expenditure on maintenance of assets upto 10 per cent of the annual allocation.

There are no further sectoral earmarkings of resources at the village Panchayat level except that 15 per cent of the annual allocation must be spent on items of work which directly benefit the Scheduled Castes/Scheduled Tribes. Diversion of funds meant for scheduled Castes/Scheduled Tribes is not permitted.

3.90. At the district level entire, work relating to Coordination, review supervision and monitoring of the programme will be the responsibility of DRDA/Zila Parishads. DRDAs/Zila Parishads will also be accountable to State Government to ensure that the return of indents in respect of the goods taken up for execution in the district are furnished. At the village level the programme will be implemented through the village Panchayats who will be responsible for planning and execution of the Yojana and are free to take up any work according to the felt needs of the village community. However, the technical supervision will be the responsibility of Block Agencies/DRDAs.

3.91. An outlay of Rs. 400.00 lakhs for the Annual Plan 1992-93 has been provided under this programme as 20 per cent State share. Government of India will provide 80 per cent share for this scheme. It is anticipated that 33 lakh mandays of employment will be generated in 1992-93.

3.92. Progress of NREP/JRY during Seventh Plan 1990-91, 1991-92 and target for 1992-93. are given in the table below:—

**TABLE 3.4** Progress/Target of NREP/JRY during Seventh Five-Year Plan and from 1990-91 on wards  
(Rs. in lakhs)

Scheme/Programme	Achievement 7th Five Year Plan (1985—90)		1990-91		1991-92		1992-93	
	Expendi- tur	Employ- ment Generated (Lakh Mandays)	Expendi- ture	Employment Generated (lakh Mandays)	Expenditure	Employment Generated (Lakh Mandays)	Target (finan- cial)	Employment Generation (lakh Mandays)
1	2	3	4	5	6	7	8	9
<b>A. NREP (including Central share)</b>								
1. NREP 1.1 Farm Forestry	573.82	33.00	—	—	—	—	—	—
2. NREP 2.1 Pavement of Streets, construction of Drains & Other Schemes for Village betterment.	2,051.52	54.87	—	—	—	—	—	—
<b>B. Jawahar Rozgar Yojana (including Central share)</b>	1,720.68	34.23	1222.55	21.80	1053.07	18.26	2000.00	33.00
<b>Total : (A+B)</b>	<b>4346.02</b>	<b>122.10</b>	<b>1222.55</b>	<b>21.80</b>	<b>1053.07</b>	<b>18.26</b>	<b>2000.00</b>	<b>33.00</b>

### Assistance to Mahila Mandals Balwadis and Craft Centres

3.93. Two schemes namely 'Promotion and strengthening of Mahila Mandals' and 'Composite programme for women and pre-school children-strengthening of craft centres' have been implemented by the department for improving the lot of women and children in rural areas. Out of 12,188 villages of the State, Mahila Mandals have been organised in 11549 villages upto 1990-91. The main functions of this institution is to impart skills to women so as to enable them to augment their earnings and also to propagate the eradication of social evils such as dowry, drinking etc. It would also motivate the people of the rural areas to adopt family welfare measures.

3.94. An outlay of Rs. 27.68 lakhs has been provided; for 1992-93, under the scheme CD-2.3 "Promotion and strengthening of Mahila Mandals". Under this schemes seed money is provided to the Mahila Mandals. Seed money, which was provided at the rate of Rs. 5,000 in the Seventh Plan has been enhanced to Rs. 15,000 per Mahila Mandal, honorarium to Secretaries has been raised from Rs. 25.00 to Rs. 60.00 per month while honorarium for training to office bearers has been increased from Rs. 25.00 to Rs. 50.00. These institutions take up various activities such as manufacturing of durries, preparation of washing soaps, leather purses and bags, shuttle cocks, pullovers, garments and embroidered articles etc. Some of the Mahila Mandals have taken a step forward and are engaged in certain socio-economic activities like renting out shamianas, utensils, etc. for marriages and other functions. Office bearers of the Mahila Mandals are provided training in setting up Balwadis, kitchen gardens, poultry

units, mother and child care, adult literacy and family planning etc. The funds for the various programmes under the scheme are provided as under:—

(Rs. in lakhs)

Item	Annual Plan (1992-93)
1	2
(a) Equity @ Rs. 15,000 for taking up various economic activities for 118 Mahila Mandals (one per block) annually. ..	17.70
(b) Honorarium to Secretaries of the Mahila Mandals @ Rs. 60.00 per month per Secretary for 10 Mahila Mandals per block in 118 blocks in the year. ..	8.50
(c) Training of 2950 office bearers and members of Mahila Mandals @ Rs. 50.00 per office bearer annually ..	1.48
Total:	27.68

3.95. An outlay of Rs. 9.91 lakhs has been provided for 1992-93 under the scheme CD 2.4 'Composite programme for women and pre-school children'. Under this scheme, equipment for use in the Balwadis will be supplied to three centres in each block at the enhanced rate of Rs. 1,200 per centre. In all, 354 Balwadi centres will be provided furniture and toys etc. to enable the Gram Sevikas and Bal Sevikas to hold pre-nursery classes. Similarly, four centres in each block would be provided enhanced assistance of Rs. 1,200 each for the purchase of equipment such as sewing machines, tools etc. The craft centres are imparting training to the rural girls in tailoring, embroidery, canework, doll making etc. The funds



provided under this scheme will be utilised as under :—

(Rs. in lakhs)	
Item	Annual Plan (1992—93)
1	2
(a) Assistance to 354 Balwadis @ Rs. 1200 per Balwadi for 3 Balwadis in a block	4.25
(b) Assistance to 472 Craft Centres @ Rs. 1200 per Centre..	5.66
Total :	9.91

Financial Assistance to Panchayati Raj Institutions for Revenue Earning Schemes.

3.96. This scheme was introduced in the State during 1957-58. The object of this scheme has been to advance loans to the Panchayati Raj bodies to enable them to develop their sources of recurring income. By the end of 1989-90, 2727 Panchayati Raj Institutions had availed loan amounting to Rs. 767.25 lakhs. The loan was being provided under this scheme at the rate of 3 per cent interest, which was required to be repaid within the period of 15 years. However Panchayats falling in the border and sub-montane areas were exempted from this interest. As the scheme aims at increasing the sources of income of P.R.Is. and particularly helping those having meagre resources of their own, due importance has to be given to this scheme. From 1991-92, *modus operandi* of the scheme has been modified to make it more viable to cover larger number of Panchayats. Under the new system the Panchayats willing to avail loan from the commercial banks would be given grant in the shape of interest subsidy to meet the difference of interest payable to banks and that payable to Government at the rate of 3 percent. The Panchayats fallings in the border and sub-montane areas would be given interest subsidy to the extent of entire amount of interest they have to pay to the bank. Under the scheme maximum number of PRIs. would be covered by way of new system for making shopping complexes, bank buildings, residential quarters, reclamation and development of shamlat lands and other assets, which can help them to raise their resources to enable them to take up development works of their own. An outlay of Rs. 120.00 lakhs for 1992-93 has been provided for giving assistance to 40 Panchayati Raj Bodies

### Rural Housing Programme

3.97 This is a new scheme which has been proposed to be implemented at the district level during 1992-93 for providing houses to the landless and houseless people in the rural areas. The department of Rural Development will act as a nodal department and would develop necessary infrastructure in the villages under operation and the work of construction of houses shall be done by the beneficiaries themselves. The developed plots will be given to the beneficiaries. Total cost per site for development has been estimated at Rs. 10,000. The focal points have been proposed to be selected near the Tehsils or towns so as to attract not only the landless but also other category of persons desirous of owning a house. Landless persons will be given Rs. 10,000 as subsidy, in the shape of developed house sites, while others will have to pay the full cost of development and price of land so fixed by the Government. Land required for the purpose will be made available free of cost by the concerned Gram Panchayat. The Department of Rural Development will be responsible for over all coordination and liaison of Rural Housing Programme with various agencies involved in financing and execution, preparing models for adoption of individual houses/complexes as a whole, adoption and popularisation of new low cost technology in materials and construction and for effective monitoring and evaluation of the programme. An outlay of Rs. 5.00 crore for 1992-93 has been provided as subsidy for the development of 5,000 house sites. The provision of this scheme has been reflected under the sub-head "Housing".

### TRYSEM

3.98 This scheme aims at equipping rural youth with necessary skill and technology and enable them to seek self employment. The training courses are based on the concept of learning by doing. The training is provided in different selected trades in such activities that lead to self-employment. The training is being imparted by different institutions such as Gram Sevak Training Centre, Agriculture and other Universities, I.T.I.'s and other State and Central Organisations. Important mode of training at present is through local service establishments, Industrial Units, Master Craftsmen, Artisans and skilled workers. Previously, for training under TRYSEM funds at the rate of 10 per cent of the total allocation of IRDP were used to be provided, but from the year 1991-92, the allocation for TRYSEM has been delinked by Government of India and thus separate provision is being made for imparting training to the rural youth. An outlay Rs. 65.00 lakhs for 1992-93 as State share has been provided for training purposes. It is envisaged that with this amount 8000 persons would be imparted training during 1992-93. The training infrastructure of the Institutions will be further strengthened for which an outlay of Rs. 8.50 lakhs (State share) during 1992-93 has been provided under the scheme "Strengthening of training infrastructure under TRYSEM". Matching contribution will flow from Govt. of India.

### Improvement of Rural Environment and Infrastructure

3.99 To give a new thrust to rural development, smaller schemes which were being implemented

continuously from Sixth and Seventh Five Year Plans and even earlier have been consolidated in to a single programme for proper implementation under decentralised planning during 1992-93. This integrated scheme namely 'Improvement of rural environment and infrastructure', aims at creation of certain new assets and over-all improvement of the existing infrastructure for the development of rural areas. Details of major components of this scheme are given below:—

- (i) Pavement of streets, construction of drains and disposal of sullage water under Unnat Gram Project
- (ii) Integrated rural environment upgradation programme
- (iii) Matching grants for development works
- (iv) Development of historical villages
- (v) Construction of Panchayat Ghars
- (vi) Improvement of hygienic conditions in villages

(i) Pavement of Streets, Construction of Drains and Disposal of Sullage Water.

3.100 This component was initiated earlier in 1973-74 on a modest scale as a part of special drive for the improvement of village sanitation. Since the commencement of this component, an amount of Rs. 82.75 crore including funds provided under N.R.E.P. had been utilised upto the end of Seventh Five Year Plan. During 1990-91 an amount of Rs. 16.49 crore has also been spent on this programme. Out of 12,188 villages in the State, 8716 villages had been taken up for pavement works, out of which 1161 villages had been completed in their entirety, 7555 villages completed partially and 3472 villages had yet to be covered by the end of Seventh plan under this programme. During 1990-91 work in 328 villages had also been taken up. During 1992-93 the average estimated cost for the completion of work in a village has been worked out at Rs. 3.10 lakhs, Rs. 0.50 lakh and Rs. 1.00 lakh for pavement of streets and drains, disposal of sullage water, pavement of phirnis and for a partially covered village, this cost would be Rs. 2.33 lakhs, Rs. 0.50 lakh and Rs. 1.00 lakh respectively. Besides this, village panchayats are required to provide 25 per cent cash contribution apart from the voluntary labour in the shape of earth filling etc.

3.101 From Nov., 1991 a special programme namely 'Unnat Gram Project' has been initiated by the State Govt. For this programme an amount of Rs. 13.04 crore has been provided in 1991-92 for taking up work in about 1500 villages. Under this programme activities namely Pavement of Street, construction of drains and disposal of sullage water would be taken up in a village. As the completion of work in these villages involves huge implications, the funding of this programme will be phased over a longer period of time. Keeping in view the importance of this basic civic amenity high priority would be given during 1992-93 under the District Plan. During 1992-93 an

outlay of Rs. 2706.69 lakhs has been provided for this component. In addition to this, an amount of Rs. 70.00 crore is also being provided out of the Rural Development Fund. It is envisaged that with these funds about 5100 villages would be covered.

(ii) Integrated Rural Environment Upgradation Programme.

3.102 This second component has been proposed to be implemented during 1992-93 as sequel to the project proposed by NEERI for a typical village in Punjab in consultation with experts from Punjab Agro Industries Corporation, PSCST and Department of Rural Development and Panchayats. It aims at providing models for better quality of life through improved environment and sanitation package in rural areas of the State and creating mass awareness about environment improvement using low cost technologies. In first phase five villages one each in districts Bhatinda, Sangrur, Faridkot, Ferozepur and Kapurthala were taken up in 1990-91 as pilot project on experimental basis. Under this component activities such as improvement of village streets, construction of drains for disposal of sullage water, provision of soakage pits with platform for hand-pumps, construction of latrines (individual, community & Institutional), construction & improvement of compost pits, plantation of shady/ornamental trees/shrubs etc., improvement of cremation grounds and improvement of flaying yards etc., would be taken up in a selected village for which an estimate of Rs.34.86 lakhs per village has been worked out. The concerned Panchayat is to contribute Rs. 2.00 lakhs for operations and maintenance of the various facilities created annually, in the village to ensure their active participation. An outlay of Rs. 300.00 lakhs has been provided under this component during 1992-93 for covering 12 villages.

(iii) Matching Grants for Development Works

3.103 This component aims at over all rural development through community involvement and by tapping local resources. In order to induce Panchayats to undertake development works at their own, the State Government will offer matching contribution during 1992-93 in terms of money. This component was initiated in 1979-80 and since its inception 6558 Panchayats had been benefitted by the end of 1990-91. During 1992-93 an outlay of Rs. 50.00 lakhs is provided for giving benefit to 300 Panchayats.

(iv) Development of Historical Villages

3.104 This component was started in 1979-80, which aims at all round development of villages of historical/religious importance. To keep alive the religious and historical feelings of the people of State, such villages are developed in an integrated manner. Since the inception of this programme 81 villages had been taken up and an expenditure of Rs. 95.99 lakhs incurred by the end of 1990-91. This component has been proposed to be continued during 1992-93 for implementation at district level. During 1992-93 a provision of Rs. 10.00 lakhs is made for taking up 15 villages.

**(v) Construction of Panchayat Ghar**

3.105 Apart from holding meetings, this common place can also be fruitfully utilised to serve as an information centre for dissemination of knowledge on various development activities being implemented at village, block and district level. Out of 10,953 Panchayats in the State 8,465 Panchayat ghars from different sources i.e. by Community Development Programme (1952 to 1965-66), by Panchayats themselves and by State resources have been constructed up to the end of 1990-91 and 2,488 Panchayats still remain without Panchayat Ghar. These Panchayats are to be covered in the phased manner. During 1992-93 estimated cost per Panchayat Ghar has been worked out at Rs. 1.20 lakh, out of which Panchayat would contribute 25 per cent. An outlay of Rs. 75.00 lakhs has been provided for the construction of 75 Panchayat Ghars during 1992-93.

**(vi) Improvement of Hygienic conditions in villages**

3.106. The rural areas of the State are reeling under the problem of lack of basic sanitation and poor environment. The situation needs to be addressed in a concerted manner. This is a new component proposed during 1991-92 and would continue to be implemented during 1992-93 at district level. Its various sub-components which need to be incorporated to improve environmental conditions in the villages are as under:—

- (i) Improvement of village ponds (by clearing water hyacinth and other seeds and provision of retaining walls).
- (ii) Pucca compost pits.
- (iii) Sheds and walls around cremation grounds.
- (iv) Rural centres for sports.

3.107. Under the first sub-component one or two ponds in a village would be developed into fish ponds to improve the hygienic conditions of such ponds for which it is necessary to provide retaining walls to decrease the silting. In some villages where the level of ponds is not of the desired standard, some excavation work will be done. Apart from improving the environmental conditions it will also provide employment

opportunities for the rural landless workers. For the purpose, approximately, an amount of Rs. 1.10 lakh is required per pond. Drinking & bathing facilities and provision of boundary walls for the cremation grounds are the basic needs of the modern society, which are envisaged under the second sub-component. Shady trees will also be planted along the boundary walls. An estimated cost of Rs. 0.50 lakh has been worked out per village. During Muraba Bandi Revenue Department provides pits to the inhabitants, but in some cases these are far away from the houses, which are not often used and thus such pits become mosquito breeding centres and prove unhygienic to the villagers. Under this sub-component land would be provided to the weaker sections of society and the pits on it will be dug and made pucca for storing cow-dung and other waste material. A unit of 20 pits is proposed to be taken up in a village. Rs. 14,000 per unit has been proposed as an estimated cost. Under the fourth sub-component, 'Rural centres for sports', the Panchayati Raj Khed Prishad which is the only rural organisation for the promotion of sports in rural areas will establish rural coaching centres for sports to spot the natural sport talent lay hidden in rural/tribal areas. Rural coaching centres would be provided with stadium, sports equipment, expertise coaching and nutritious diet which are the pre-requisites for obtaining excellent performance and encouraging results in various level competition initiating from sub-junior/junior. This sub-component will be introduced in a phased manner in the State. In some villages the grounds have been earmarked in low-lying areas where water accumulates in rainy seasons. The estimated cost per centre has been proposed as Rs. 6.00 lakhs. During 1992-93 an outlay of Rs. 80.00 lakhs has been provided to take up work in 544 villages under this component.

3.108. During the Annual Plan 1992-93 a total outlay of Rs. 3,220.69 lakhs has been provided for different components under the scheme "Improvement of rural environment and infrastructure" for implementation at district level.

## ANNEXURE

## Statement showing the important Statistics pertaining to Animal Husbandry Department, Punjab

Serial No.	Item	Position on 31st March, 1985	As on 31st March, 1991
1	2	3	4
1	No. of Veterinary Hospitals	769	891
2	(a) No. of Veterinary dispensaries including stockmen Centres	1,040	1,008
3	No. of Artificial Insemination Centres	46	46
4	No. of Bull Stations-cum-Semen Banks	4	4 (Patiala, Kapurthala, Verka and Nabha)
5	No. of Cattle Breeding Farms	5	4 (Patiala, Nabha, Mattewara and RoPar)
6	Sheep and Wool Extension Centres	38	38
7	Government Poultry Farms	5	5 (Gurdaspur, Jalandhar, Kotkapura, Malerkotla and Patiala)
8	No. of Feed Plants	5	5 (Patiala, Ludhiana, Jalandhar, Gurdaspur and Chandigarh)
9	Poultry Services Centres	58	53
10	Government Piggery Farms	8	8 (Kharar, Malwal, Mattewara, Nabha, Gurdaspur, Jalandhar, Ludhiana and Badal)
11	Average No. of Livestock Units served per veterinary Institution	7,768	4,757
12	Average No. of villages served per veterinary Institution	7.4	7.0
13	Average Area served per veterinary Institution (In Sq. Kms.)	27.84	26.52
14	Annual Milk Production (in 000 tonnes)	3,876	5,142
15	Per Capita availability of Milk (in gms)	576	682
16	Wool production (in lac kgs.)	13.41	14.54
17	Egg production (in millions)	825	1,820
18	Poultry Birds (in lacs)	97.16	153.00
19	Breadable cows (in lacs)	9.55	11.38
20	Breeding Buffaloes (in lacs)	23.70	32.97

## ANNEXURE

<b>1. Integrated Rural Development Programme :</b>	(No: lakhs)
(As per Government of India)	
(i) Number of families living below the poverty line in rural areas as per NSS Survey of 1977-78 at 11.87%	.. 3.95
(ii) Number of families living below the poverty line in rural areas as per NSS Survey of 1983-84	.. 2.63
(As per State Government)	
(iii) Number of families living below the poverty line in rural areas as per house to house survey carried out in 1980-81	.. 7.44
(iv) Number of families covered during the 6th Plan	.. 3.96
(v) Number of families not covered during 6th Plan	.. 3.48
(vi) Number of additional families identified as living below the poverty line after the survey	.. 2.17
(vii) Number of addition at families reidentified as living below the poverty line during 1989-90	.. 1.21
(viii) Total number of families which remained to be covered as on 31st March, 1985	.. 5.65
(ix) No. of families covered during 7th Plan	
(a) New	.. 2.01
(b) Old	.. 1.55
(x) Total number of families which remained to be covered as on 31st March, 1990	.. 4.85
(xi) No. of families covered during 1990-91	(Numbers)
(a) New	.. 35,672
(b) Old	.. 272
(xii) No. of families assisted during 1991-92	
(a) New	.. 27,345
(b) Old	.. 108
(xiii) No. of families likely to be assisted during 1992-93	.. 25,000
(xiv) No. of families likely to be covered upto 1992-93	.. 6.85 (lakhs)
(xv) No. of families yet to be covered	.. 3.97 (lakhs)
<b>2. Pavement of Streets and Construction of Drains</b>	(Numbers)
(i) Total number of villages covered up to 1989-90	.. 8,716
(ii) Number of villages fully completed out of (i) above	.. 1,161
(iii) Number of villages completed partially out of (i) above	.. 7,555
(iv) Number of villages remained to be covered as on 31st March, 1990	.. 3,472
(v) Number of villages covered during 1990-91	.. 328
<b>3. Mahila Mandals/Balwadis</b>	(Numbers)
(i) Total No. of Mahila Mandals in the State upto 31st March, 1991	.. 11,549
(ii) No. of registered Mahila Mandals out of (i) above	.. 9,400
(iii) No. of Mahila Mandals granted seed money upto 31st March, 1991	.. 1,534

(iv) No. of Balwadis functioning in the State as on 31st March, 1991	..	354
(v) No. of Craft Centres functioning as on 31st March, 1991	..	472

#### 4. Panchayat Ghars

(i) Total No. of Panchayats in the State as on 31st March, 1991	..	10,953
(ii) No. of Community Centres constructed upto 1965-66	..	5,328
(iii) No. of Panchayat Ghars constructed by Panchayats out of their own resources	..	1,494
(iv) No. of Panchayat Ghars constructed with State funds upto 1990-91	..	1,643
(v) Total (ii+iii+iv)	..	8,465
(vi) No. of Panchayats left uncovered	..	2,488

## ANNUAL PLAN 1992-93

## STATEMENT

## SCHEMEWISE OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan, 1991-92		Annual Plan, 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Sub-Head : Animal Husbandry :</b>						
<b>A—State Plan Schemes :</b>						
AH 1.1	Providing facilities for inservices education and extention and publicity services ..	5.88	14.00	1.50	12.20	—
AH 2.1	Strengthening of Offices DAHO/PO/ICPP/ Punjab ..	—	3.00	—	—	—
AH 3.3	Estt. of State Animal Health Institute disease diagnosis/Production of vaccine against newly emerging livestock/poultry diseases and setting up of Mobile Animal Health Care units at District and Sub-Divisional level ..	—	5.00	43.21	100.00	—
AH 3.7	CSS—foot & mouth diseases control programme Prophylactic vaccination in cattle and buffaloes against F. M. D. ..	21.00	30.00	30.00	45.00	—
AH 3.18	Providing of cold chain for preservation of vaccine and medicines for control of contagious diseases. ..	—	5.00	5.00	—	—
AH 4.3	Modernisation & expansion of existing semen banks-cum-bull stations and setting up of new semen banks/Strengthening of frozen semen production and purchase of high genetic value germ plasm ..	166.59	200.00	249.05	270.00	30.00
AH 4.11	CSS—Extension of frozen semen facilities production and supply of bulls, Herd book registration of elite milk animals, progeny testing programme/modernisation of farms/Embryo transfer technology/Stg. of bull mother farm ..	3.00	14.40	11.20	100.00	—
AH 5.1	Strengthening/modernisation of state poultry farms/Estt. of poultry disease diagnostic and feed analytical labs and providing of poultry extension services in the state. ..	45.11	60.00	57.55	92.85	5.00
AH 5.2	Share capital contribution to Punjab Poultry Development Corporation ..	50.00	34.50	0.10	30.50	30.50
AH 6.2	CSS—Estt. of sheep breeding farm for production & providing intensive health cover in field ..	8.15	12.41	23.54	17.77	—
AH 7.2	CSS—Estt. of hybrid pig breeding farm for production of fattening stock and modernisation of existing pig farms ..	—	5.00	7.00	10.40	—
AH 8.1	Strengthening of polytechnic for Animal Husbandry & agriculture training ..	6.90	7.50	5.14	8.50	1.00
AH 10.3	CSS—Sample survey estimation of production of milk, eggs, wool meat and livestock censuses ..	0.35	2.79	0.08	2.76	—
AH 10.5	Strengthening of statistical wing of Animal Husbandry Department for collection processing and analysis of data relating to livestock/livestock products ..	7.42	10.00	7.62	3.15	—
AH 10.7	Scheme for staff component of distt. plan Schemes ..	—	50.86	31.29	92.50	—
AH 10.8	Action Plan for providing gainful self-employment to educated unemployed youth in the state (G.O.I.) ..	379.38	—	—	—	—
Total	..	693.78	454.46	472.28	785.63	66.50

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**SCHEMEWISE OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>District Plan Schemes</b>						
United Funds	— Nil —					
<b>B. Infrastructure Oriented Schemes</b>						
AH 3.1	Providing of Efficient Vety. Services (i) Opening of new modern Vety. Hospitals, Setting up of Private Vety. Clinics and upgradation of existing Vety. Dispensaries in to Vety. Hospitals	183.09	57.60	55.84	130.00	—
AH 3.8	Providing Specialised Multi-Disiplinary Vety. Services—Setting up of Vety. Poly. clinic at district level	139.40	73.40	136.35	91.50	65.00
AH 3.12	Modernisation of old/existing Vety. Hospitals by providing latest tools, appliances & diagnostic aids & providing of residential accommodation to vety. personnel services in rural areas	89.61	124.00	138.46	100.00	—
AH 3.15	Aid to Zila Parishad and Panchayat Samities, Vety. Hospitals and Dispensaries	97.00	99.00	102.00	107.68	—
AH 8.5	Modernisation of Slaughter Houses in the state	10.00	10.00	10.00	—	—
<b>Total (B)</b>		<b>519.10</b>	<b>364.00</b>	<b>442.65</b>	<b>429.18</b>	<b>65.00</b>
<b>C. Beneficiary Oriented Schemes :</b>						
AH 4.1	CSS—Assistance to small/marginal farmers and agricultural labourers for rearing of cross bred heifers/Setting up of Poultry, sheep and Piggery units	79.73	44.04	44.04	56.17	—
AH 9.4	Production & distribution of quality Fodder Seeds—Providing technical extension services in the field	10.91	11.00	11.00	25.82	1.50
<b>Total (C).</b>		<b>90.64</b>	<b>55.04</b>	<b>55.04</b>	<b>81.99</b>	<b>1.50</b>
<b>D. Area Specific Schemes :</b>						
	Estt. of Quarantine Station at Distt. Amritsar	—	—	—	3.20	—
<b>Total (B+C+D)</b>		<b>609.74</b>	<b>419.04</b>	<b>497.69</b>	<b>514.37</b>	<b>66.50</b>
<b>Grand Total (State + District)</b>		<b>1303.52</b>	<b>873.50</b>	<b>969.97</b>	<b>1300.00</b>	<b>133.00</b>



**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**SCHEMewise AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Dairy Development :</b>						
<b>A. State Plan Schemes :</b>						
DM 1.1	Strengthening of Headquarter staff/District Dairy Development offices	—	4.50	—	—	
DM 4.1	Share capital contribution to primary co-operative Milk Societies, Unions and Milk Federations	250.00	350.00	350.00	420.00	
DM 5.1	Estt. of Government Lab. at Ludhiana	—	15.00	5.00	—	
DM 5.4	Technology Mission in Dairy Development	—	20.00	—	—	
DM 5.5	Scheme for staff component of district plan schemes	—	2.00	0.15	5.00	
DM 5.6	Providing gainful self employment to educated un-employed youth of the State (G. O. I.)	290.07	—	—	—	
<b>Total (A)</b>		<b>540.07</b>	<b>391.50</b>	<b>355.15</b>	<b>425.00</b>	<b>420.00</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme wise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expd.	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>District Plan Schemes</b>						
Unified Funds		Nil				
<b>B. Infrastructure Oriented Schemes</b>						
DM3.1	Scheme for extension training and education in improved methods of dairying to milk producers	12.80	17.00	17.00	13.00	..
Total :		12.80	17.00	17.00	13.00	..
<b>C. Beneficiary Oriented Schemes</b>						
DM2.1	Scheme for providing self-employment to rural unemployed educated youths, Rehabilitation of ex-servicemen and widows by introducing scientific commercialised milk producers	46.16	60.50	60.50	130.00	43.25
Total (B+C)		58.96	77.50	77.50	143.00	43.25
Grand Total (State + District)		599.03	469.00	432.65	568.00	463.25

## ANNUAL PLAN 1992-93

## STATEMENT

## SCHEMewise OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Fisheries :</b>						
<b>A. (State Plan Schemes)</b>						
FH 1.1	Strengthening of staff at head-quarter and in sub-offices and strengthening of economic and statistical wing in Fisheries Department	0.50	4.00	2.40	5.00	—
FH 2.5	Scheme for the establishment of two-10 hectares fish seed hatcheries	25.00	6.00	5.75	8.00	—
FH 4.2	Training of fisheries personnel	1.47	2.00	2.00	1.00	—
FH 4.3	Scheme for setting up of fisheries extension units in the state	0.50	20.00	—	10.00	—
FH 5.1	Scheme for staff component of district plan scheme	—	36.80	36.80	52.00	—
FH 5.2	Providing gainful self-employment to educated unemployed youth of the State (G.O.I.)	61.00	—	—	—	—
Total		88.47	68.80	46.95	76.00	—
United Funds		Nil				
<b>B. Infrastructure Oriented Schemes</b>						
FH 2.1	Establishment of New Fish seed farmers Completion and modernisation of existing fish seed farms	70.00	78.20	78.20	80.00	80.00
FH 2.7	Assistance to Fish Farmers Development Agencies in the state	65.00	40.00	40.00	141.00	—
Total		135.00	118.20	118.20	221.00	80.00
<b>C. Beneficiary Oriented Schemes :</b>						
FH 2.6	Promotion of intensive Fish Culture by providing assistance to private/Co-operative Sectors on Rehabilitation of Ex-Servicemen	6.00	20.00	19.76	—	—
Total		6.00	20.00	19.76	—	—
Total (B+C)		141.00	138.20	137.96	221.00	80.00
Grand Total (State+District)		229.47	207.00	184.91	297.00	80.00

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**Schemewise Outlay and Expenditure**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Forestry and Wild Life</b>						
<b>State level Schemes :</b>						
Ft. 2.1	Development of Infrastructure for the protection of Forests (CSS-State share) ..	12.50	15.00	12.00	15.00	—
Ft. 2.2	Fuel Wood and Fodder Project (CSS-State share) ..	145.00	125.00	181.30	150.00	—
Ft. 3.1	Extension, Training and Education in the State ..	—	2.00	—	2.00	—
Ft. 4.1	Demarcation and settlement of Forest Areas ..	—	4.00	4.00	5.00	—
Ft. 4.4	Forest Research ..	13.90	18.00	18.00	14.00	—
Ft. 5.2	Wild Life Education and interpretation programme (CSS State Share)	0.86	1.50	—	—	—
Ft. 5.3	Control of Poaching and Illegal Trade in Wild Life (CSS—State share) ..	1.23	1.50	3.00	3.00	—
Ft. 5.4	Establishment of Tiger Safari at Ludhiana ..	12.41	15.00	15.00	10.00	—
Ft. 5.5	Assistance for the development of selected Zoos (CSS—State share)	1.97	2.00	2.00	2.00	—
	<b>Total (State level Schemes) ..</b>	<b>187.87</b>	<b>184.00</b>	<b>235.30</b>	<b>201.00</b>	<b>—</b>
<b>District level Schemes</b>						
<b>Infrastructure Schemes</b>						
Ft. 1.2	Construction of buildings ..	8.00	10.00	10.00	10.00	—
Ft. 2.3	Raising of Forest plantation in Government lands ..	316.51	330.00	330.00	381.00	—
Ft. 2.4	Farm Forestry ..	75.65	60.00	60.00	70.00	—
<b>Area Specific Schemes</b>						
Ft. 2.5	Regeneration/Afforestation/Treatment/Reclamation of Forest Areas ..	—	—	74.00	150.00	—
	<b>Total—(District Level Schemes) ..</b>	<b>400.16</b>	<b>400.00</b>	<b>474.00</b>	<b>611.00</b>	<b>—</b>
	<b>Grand Total ..</b>	<b>588.03</b>	<b>584.00</b>	<b>709.30</b>	<b>812.00</b>	<b>—</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Rural Development</b>					
<b>1. Integrated Rural Development Programme (IRDP) and Allied Programmes</b>					
<b>State Level Schemes</b>					
CD1.1 (a) Staff for the Integrated Rural Development programme at State Headquarters ..	7.38	9.20	9.31	10.00	..
CD 1.1 (b) Monitoring Cell at the State Headquarter under IRDP (CSS-State Share)	2.44	3.45	3.45	4.15	—
CD 1.8 Installation of Computer at State Headquarter ..	—	2.15	—	0.90	—
Total : (State level Schemes) ..	9.82	14.80	12.76	15.05	—
<b>District level Schemes</b>					
<b>Beneficiary Oriented Schemes</b>					
C.D. 1.2 Expenditure on Training under IRDP (State Share)	52.52	60.00	60.00	65.00	—
C.D. 1.3 Subsidy to Rural Development Agencies under IRDP (State Share)	420.00	480.00	408.52	499.52	—
C.D. 1.4 Scheme for Strengthening Administration (State Share)	52.52	60.00	46.95	60.48	—
C.D. 1.5 Development of Women and Children in Rural Areas (DWCRA) (State Share)	10.00	22.40	10.20	25.50	—
C.D. 1.6 Strengthening of Training Infrastructure under TRYSEM (State Share) ..	2.53	8.50	4.90	8.50	—
Total : (District Level Schemes) ..	537.77	630.90	530.57	659.00	—
Total : (State & Distt. Schemes) ..	547.59	645.70	543.33	674.05	—
<b>II. Jawahar Rozgar Yojana</b>					
<b>District Level Schemes (Infrastructure Scheme)</b>					
Jawahar Rozgar Yojana ..	328.89	400.00	493.91	400.00	—
Total ..	328.89	400.00	493.91	400.00	—
<b>III. Other Rural Development programmes (including community Development and Panchayats)</b>					
<b>State level Schemes</b>					
C.D. 2.2 Training and Study Tour of officials and non-officials	—	6.60	6.00	7.00	—
C.D. 2.12 Issue of Yellow Cards for identification of Weaker sections ..	1.50	1.50	1.50	1.80	—
<b>New Schemes</b>					
C.D. 2.16 Management Information System/Cell ..	—	—	—	14.80	—
C.D. 2.18 Granting of Autonomous/Semi Autonomous Status to SIRD	—	—	—	0.20	—
Total : State Level Schemes) ..	1.50	8.10	7.50	23.80	—

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**Schemewise Outlay and Expenditure**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Actual Expenditure 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>District Level Schemes</b>						
<b>Beneficiary Oriented Schemes</b>						
C.D. 2.3	Promotion and Strengthening of Mahila Mandals ..	15.56	25.68	25.68	27.68	—
C.D. 2.4	Composite programme for women and pre school children ..	9.62	14.16	14.16	9.91	—
<b>Infrastructure Schemes</b>						
C.D. 2.5	Financial Assistance to Panchayati Raj Institutions for Revenue Earning Schemes	52.64	100.00	100.00	120.00	—
C.D. 2.6	Improvement of Rural Environment and Infrastructure	1876.51	900.67	2487.33	3220.69	—
Total : (District Level Schemes) ..		1954.33	1040.51	2627.17	3378.28	—
Total : (State and Distt. level Schemes) ..		1955.83	1048.61	2634.67	3402.08	—
Grand Total : (Rural Development)						
	State Schemes ..	11.32	22.90	20.26	38.85	—
	Distt. Schemes	2820.99	2071.41	3651.65	4437.28	—
Total ..		2832.31	2094.31	3671.91	4476.13	—



## CHAPTER-IV

### INTEGRATED WATERSHED DEVELOPMENT PROJECT (HILLS), PUNJAB

4.1 The World Bank Aided Integrated Watershed Development Project (Hills) Punjab has come into operation from 1st September, 1989, after the completion of earlier Kandi Watershed and Area Development Project (1980-88). The earlier project was an attempt to deal with the menace of flood control & soil erosion in the backward, sub-montaneous areas of Shivalik foothills (Kandi area) in the State through an integrated approach by involving a multidisciplinary team of various departments. As against the earlier Project, where 11 major watersheds were treated covering an area of 39,420 hectares, the new project is designed to address one of the State's most serious environmental problems of watershed degradation in the ecologically fragile agro-economic zones covering about 80,000 hectare area of 17 watersheds of Distt. Ropar and Hoshiarpur including 9 watersheds of the upper catchment of these districts. The total cost of the project is Rs. 53.21 crores and is for 7 years i.e. from 1989-90 to 1995-96. One of the salient features of this project is the introduction of one of the major effective vegetative/rainfed technology which can be replicated over a wide area to conserve soil and moisture conservation both in arable and non-arable lands. Other treatments include, the introduction of Horticulture in the arable marginal lands and livestock improvement programmes, i.e. introduction of improved bulls for natural breeding and promote stall feedings. The project would also train the implementing staff in the new technology to achieve proper results during the project period under various components. The project is likely to benefit 25000 farming families, 2500 landless families, 13,00 livestock herders under different project components.

4.2 The project would be carried out under unified command of watershed planning and implementation office and all the participating components like Forest, Soil Conservation, Animal Husbandry, Horticulture, Agriculture & Agricultural Research will be responsible to the Project Director in respect of execution and management of their respective project programmes. This project will treat 17 watersheds in all extending over an area of approximately

80,000 hectares. Four of the watersheds i.e. Arnala, Nara-Dada Manjhi, Dasuya Langerpur and Jayanti Deviki Rao will be treated at the initial stage. The other four watersheds i.e., Sughrao, Suan Khad, Balachaur Choe and Mohan Majra Nighi will be taken up after mid-term review of the project. The remaining 9 watersheds, namely West Suan, Kamahi Devi, Chak Sadhu, Rattewal, Takarla, Jhanda Ji Ki Khad, Sahora, Patiari, Kukar Suha and Basu Khad falling in the upper catchment area of district Ropar and Hoshiarpur will be treated under the forest component only.

4.3 The role to be assigned to each of the components would depend upon the local situation, specific problems identified, future scope of development and People's participation etc. Particular attention under the project will be paid to the other aspects also like monitoring, publicity and social services, etc.

4.4 The project objectives are to verify and to promote low cost replicable and sustainable measures to :-

- (a) Reverse man-made ecological degradation in parts of Shivalik Hills (Kandi tract).
- (b) To improve the fodder and fuel situation in these areas.
- (c) To protect farm lands from floods and erosion and enhance yield in rainfed farming through soil moisture conservation *in situ*.

4.5 For the Annual Plan 1992:93 an outlay of Rs. 12,00.00 lakhs is provided under various components of the project as against the expenditure of Rs. 762.04 lakhs during the year 1991-92. Componentwise details of expenditure and outlay under this project from 1989-90 onwards is given below :-

Component	Total Project Cost	1989-90 Actual Expenditure	1990-91 Actual Expenditure	1991-92 Approved Outlay	1991-92 Actual Expenditure	1992-93 Approved Outlay
1	2	3	4	5	6	7
Forests	2356.55	258.00	430.99	420.00	570.19	861.60
Soil Conservation	1330.31	71.38	84.32	260.00	106.20	238.02
Animal Husbandry	646.15	25.00	20.96	130.00	23.43	38.87
Agriculture	456.11	—	0.43	90.00	17.55	17.65
Agricultural Research (PAU)	228.05	12.00	30.00	40.00	10.00	15.00
Horticulture	152.04	7.62	10.00	30.00	10.68	9.41
Watershed Planning & Implementation Office (WPIO)	152.04	10.00	15.69	30.00	23.99	19.45
<b>Total</b>	<b>5321.25</b>	<b>384.00*</b>	<b>592.39</b>	<b>1000.00</b>	<b>762.04</b>	<b>1200.00</b>

\*Excludes an expenditure of Rs. 120.18 lakhs incurred out of the State Plan.



Component-wise details of the project are given below :—

#### Forest

4.6 This component would be responsible for providing vegetative, shrub barrier in trenches, afforestation, silviparture, vegetative shrub barrier prod. components, check dams and dry masonry structures. Out of the total project target of covering 26371 hectares, an area of 7075 hectares would be covered in 1992-93 at a cost of Rs. 861.60 lakhs.

#### Soil Conservation

4.7 Under this component, soil and moisture both in the arable and non-arable land would be conserved to improve ground water re-charge and the production capacity of lands through application of improved technology including the use of contour vegetative barriers, shrubs and trees in contour trenches, gully stablisation, stream bank protection and construction of water harvesing structures etc. Out of the total project target of 4925 hectares, 1140 hectares are to be covered during 1992-93 at a cost of Rs. 238.02 lakhs.

#### Horticulture

4.8 This component is mainly responsible for promotion/popularisation of horticulture activities on the marginal arable land through arranging demonstrations on the farmers' fields and supply of nursery seedlings for plantation of fruit species, like galgal, lime, lemon, and sweet oranges, etc. While the horticulture development in the State has so far been confined to the irrigated fields only, this project will make efforts to raise these crops on the rain-fed basis for the first time which would go a long way to improve the economic condition of the inhabitants of the denuded watersheds. Out of the total project target of arranging 60 demonstrations over an area of 60 hectares, 11 demonstrations would be conducted during 1992-93 at a cost of Rs. 9.41 lakhs.

#### Animal Husbandry

4.9 Under this component, an absolutley new approach is to be adopted to achieve live stock reduction and improvement of health, hygiene and breed of cattle population in the catchment area through provision of artificial insemination services, introduction of approved bulls, supplementary and stall feeding etc. Fodder banks will be set up in the Kandi area for the achievement of project target and amelioration of socio-economic condition of the people. As against the project target of bringing 370 hectares under fodder production an area of 54 hectares would be covered during 1992-93 at a cost of Rs. 38.87 lakhs.

#### Agricultural Research (PAU)

4.10 Under this project, Punjab Agricultural University, Ludhiana, has been assigned the responsibility of carrying out on-farm applied research to develop most suitable technique for increasing the production of crops under rain-fed conditions in respect of agriculture, horticulture and forestry.

Besides, the PAU is also required to determine the impact of various treatments and would also identify the constraints in the adoption of various new varieties under the rain-fed conditions. PAU would perform its functions through its Kandi Regional Research Station, Ballawal Saunkhri (District Hoshiarpur). For 1992-93 an outlay of Rs. 15.00 lakhs is provided for this purpose against the expenditure of Rs. 10.00 lakhs during 1991-92.

#### Agriculture

4.11 Under this component, which has been newly incorporated in this 'Integrated Watershed Development Project', the farmers of the Kandi tract would be enlightened for improving the crop-potential of their fields mainly through arranging rainfed crop demonstration and through updating the levels of existing extension service under the World Bank aided T. and V. Project. The PAU would also be involved to the desired extent to educate the people in the adoption of new rainfed technology in the sphere of agriculture in the project area. Under the T. & V. Project an agriculture Inspector is required to attend 1080 families for the transfer of improved technology at the door-steps of farmers.

4.12 For Annual Plan, 1992-93 an outlay of Rs. 17.65 lakhs is provided and with this amount an area of 504 hectares would be covered under demonstrations out of the project target of 3666 hectares.

#### Watershed Planning and Implementation Office (WPIO)

4.13 WPIO has a key role to play for the proper implementation of the project in the Kandi area of the State through integration of various development components/activities for the ultimate achievement of goal of improving socio-economic conditions of the people in this backward tract. This unit would be responsible for project planning/execution and monitoring. This office will also submit re-imburement claim to the World Bank along with preparation of feasibility reports of selected watersheds under the project. This office is functioning under the control of Joint Development Commissioner (IWDP) Hills, Punjab and the staff of the participating line-departments is to carry out its activities in the project area under the direct supervision of JDC. An outlay of Rs. 19.45 lakhs is provided during Annual Plan, 1992-93, to meet the expenses of this office.

Physical achievement of the Integrated Watershed Development Project during 1989-90 is shown as under :—

#### Forest

- |                     |                 |
|---------------------|-----------------|
| 1. Re-afforestation | 4500 (Hectares) |
|---------------------|-----------------|

#### Soil Conservation

- |                         |              |
|-------------------------|--------------|
| 1. Bench terracing      | 245 Hectares |
| 2. Contour line heads   | 331 hectares |
| 3. Underground pipeline | 907 hectares |

4. Gully reclamation	307 hectares	6. Supply of LN	3000 Litt.
5. Water harvesting	360 hectares	7. Fodder demonstration plots	2000 plots
<b>Animal Husbandry</b>			
1. Supply of calf staster,	1000 Calves	8. Livestock reduction	180 Animals
2. Demonstration of urea treatment	100 Demons-trations	9. Breeding of Cows/ Buffaloes targets A.I.	2050 Nos.
3. Training of farmers	2000 farmers	10. Training of unemployed youth as inseminators	15 Nos.
4. Holding of cattle shows	20 shows	<b>Horticulture</b>	
5. Late pregnancy ration	2000 Cows/ Buffaloes	Plantation	392 hectares

## Component-wise Physical Target/Achievement form 1990-91 onwards

Sr. No.	Component/Treatment	Unit	Project Period	1990-91	1991-92	Annual Plan 1992-93
			Proposed target	Achievement	Achievement	Target
1	2	3	4	5	6	7
<b>1 Forest</b>						
(i)	Vegetative/shrub barriers in trenches	Hectare	1464	197.55	274	315
(ii)	Afforestation	"	8374	2500	2811.5	2615
(iii)	Silvi-pasture	"	12129	52	2817.5	2770
(iv)	Vegetative barriers prod. components	"	4404	434.04	1239	1375
(v)	Dry masonry structure	M3	138360	27252	34796	84500
(vi)	Vegetative check dams	M	153730	43625	55727	122500
(vii)	Land for Nursery and Building	Hectare	—	—	—	1.25
<b>2 Soil Conservation</b>						
Arable lands :						
(i)	Contour vegetative barriers	Hectare	842	158	10	218
(ii)	Terrace repair and vegetative reinforcement	"	2809	30	145	611
(iii)	(a) Vegetative field boundaries (Dasuya, Langerpur W/s)	Hectare	475	20	141	307
	(b) Vegetative field boundaries (other 3 W/s)	"	779	—		
(iv)	Rainfed Horticulture (Conversion of marginal lands)	"	20	1	5	4
(v)	Gully stabilisation					
	(a) Masonary and concrete structure	M3	38280	1334	544	8740
	(b) Crate wire structure	"	57800	2020	3477	12160
(vi)	Steam Bank Protection:					
	(a) Crate wire structure	"	9360	400		

Sr. No.	Component/treatment	Unit	Project Period	1990-91	1991-92	Annual Plan 1992-93
			Proposed target	Achievement	Achievement	Target
1	2	3	4	5	6	7
	(b) Vegetative Spurs (Arniala)	M	12000	18144	} 165970	12000
	(c) Vege. Spurs (Other 3 W/s)	"	40000	—		
	(vii) Village Ponds	No.	12	6	3	2
	(viii) Rehab. of village ponds	"	22	10	2	2
	(ix) Makhawal tanks	"	12	2	1	3
	(x) Water harvesting tanks	"	10	—	—	1
	(xi) Farm Nurseries	No.	—	—	8	..
<b>3</b>	<b>Animal Husbandry</b>					
	(i) Livestock reduction	"	2331	180	190	1605
	(ii) Supplementary feeding—					
	(a) Late pregnancy	"	12705	750	548	3821
	(b) Calf rearing	"	6352	425	517	1976
	(iii) On farm fodder production	Hectare	370	100	50	54
<b>4</b>	<b>Horticulture</b>					
	Rainfed Horticulture demonstration	Hectare	60	16	12	11
<b>5</b>	<b>Agriculture</b>					
	Rainfed crop demonstration	Hectare	3666	100	464	504

**CHAPTER V**  
**COOPERATION**

Cooperatives have played a significant role in the economic development of the State. This movement has really proved to be a boon for the agricultural sector of the State which has acquired a marvellous achievement in the post-green revolution period by availing the cooperative infrastructure, particularly, timely supply of credit and other agricultural inputs at reasonable rates, ready and remunerative market for agricultural produce through creation of sufficient processing capacity. Today, cooperatives have pervaded many fields directly concerning the rural uplift, i.e. supply of articles of daily consumption, housing, milk supply, industrial cooperatives etc. This movement has not only created ample employment opportunities for the un/under-employed rural people but have also

encouraged the local enterprise which otherwise would not have been possible.

5.2 In view of its importance, this sector has received its due in the previous Annual Plans and it is proposed to continue efforts for its further promotion during Annual Plan 1992-93 through various programmes.

5.3 The schemes under the sub-head 'Cooperation' are being implemented by the two departments namely 'Department of Cooperation' and 'Department of Cooperative Audit'. The Expenditure for the period 1985-90, 1990-91 and approved outlay for Annual Plan 1992-93 in respect of cooperatives is given as under:—

**Outlay and Expenditure of Cooperatives**

(Rs. in lakhs)

Department/Institution	7th Plan 1985-90		Actual Expenditure 1990-91	1991-92		Approved outlay 1992-93
	Approved outlay	Actual Expenditure		Approved outlay	Actual Expenditure	
1	2	3	4	5	6	7
Cooperation ..	5,672.00	6,887.56	1,600.96	2,159.00	2,459.18	1,144.21
Cooperative Audit ..	200.00	149.62	—	5.00	—	0.05
<b>Total Sub-head Cooperation</b>	<b>5,872.00</b>	<b>7,037.18</b>	<b>1,600.96</b>	<b>2,164.00</b>	<b>2,459.18</b>	<b>1,144.26</b>
<b>Schemes reflected under other sub-heads</b>						
Housing Cooperatives ..	200.00	225.00	150.00	320.00	200.00	293.00
Dairy Cooperatives ..	370.00	265.00	250.00	350.00	350.00	420.00
Industrial Cooperatives ..	143.00	133.81	47.62	92.50	92.50	107.50
<b>Total</b> ..	<b>713.00</b>	<b>623.81</b>	<b>447.62</b>	<b>762.50</b>	<b>642.50</b>	<b>820.50</b>
<b>Grand Total</b> ..	<b>6,585.00</b>	<b>7,660.99</b>	<b>2,048.58</b>	<b>2,926.50</b>	<b>3,101.68</b>	<b>1,964.76</b>

5.4 The schemes/programmes proposed to be undertaken by the Co-operative Department during Annual Plan (1992-93) are discussed as under:—

#### **Credit Cooperatives :**

5.5 It is targetted to advance short-term loans to the tune of Rs. 500.00 crore during Annual Plan 1992-93. The targets of long term loans proposed to be achieved during Annual Plan 1992-93 are Rs. 95.00 crore as against the achievement of Rs. 79.50 crore during 1991-92. To achieve the proposed targets, capital base of the Primary cooperative credit societies and cooperative banks will be suitably strengthened. An outlay of Rs. 3.00 crore is provided for 1992-93 against the expenditure of Rs. 236.38 lakhs during 1991-92 under the scheme CN 5.1 'Share capital contribution to apex, central and primary credit institutions and societies'. An amount of Rs. 10.00 lakhs is provided in 1992-93 under the scheme CN 5.2 'Assistance to central co-operative banks/primary agricultural service societies as bad debt reserves and for consumption loan (risk fund)'. Matching assistance for consumption loan under the scheme is provided by the Govt of India. Due to law and order situation prevailing in the State, central cooperative Banks particularly those operating in the border areas are not able to maintain non-over-due cover because of less recoveries from the loanees. As such, they are not eligible to get reimbursement from NABARD. To help such Banks, a sum of Rs. 0.50 crore is provided for 1992-93 under the scheme CN 5.3 'Assistance to cooperative societies/credit institutions in the cooperatively under-developed States and special areas for non-overdue cover'. It is also proposed to strengthen the Credit Rehabilitation Fund by providing assistance to the tune of Rs. 1.00 lakh during Annual Plan 1992-93 to the Punjab State Co-operative Agricultural Development Bank Ltd. under the scheme CN 5.5 'Assistance to Punjab State Cooperative Agricultural Development Bank Ltd. to strengthen the credit rehabilitation fund' to meet the financial obligation to write off long term loans of the borrowers who default in payment even after rescheduling. Matching assistance is provided by the Government of India under this Scheme. Further, an amount of Rs. 10.00 lakhs is provided for the Annual Plan 1992-93 under the scheme CN.5.6 'Investment in share capital of the Punjab State Co-operative Agricultural Development Bank Ltd., An amount of Rs. 5.00 lakhs in 1992-93 is provided under the scheme CN 7.1 'Assistance to central co-operative Banks for agricultural stabilisation fund' to strengthen this fund at the level of central coop. Banks to enable these Banks to contribute their share in the conversion of short-term agricultural loans into medium term agricultural loans in the event of damage of crops on account of natural calamities including floods and droughts.

#### **Cooperative Processing Units by Markfed :**

5.6 The Punjab State Cooperative Supply and Marketing Federation (Markfed) is setting up various agro-based processing units in addition to supply of inputs and procurement of foodgrains on behalf of the State Government. During the 7th Plan, Markfed has been able to set up a Jet Mill at agro chemicals, Mohali and rice bran stabilizer unit for which an

amount of Rs. 46.80 lakhs was provided as share capital. The entire State share (15%) towards share capital amounting to Rs. 163.50 lakhs has been contributed upto 1991-92 for the modernisation and expansion of Khanna vanaspati plant. An outlay of Rs. 255.00 lakhs is provided under the scheme CN 6.1 'Assistance to Markfed for setting up processing units' to meet the State share liability of the processing plants proposed to be installed by the Markfed during Annual Plan 1992-93. Important among the various projects proposed to be set up by Markfed include Integrated potato processing plant (VODKA), agro-chemicals (technical), sunflower processing project and fruit and vegetable processing unit etc.

#### **Cooperative Sugar Mills:**

5.7 At present, there are 17 sugar mills in the State out of which 15 are in the cooperative sector. This aspect of development of cooperative sugar industry received high priority during Seventh Plan when against an approved outlay of Rs. 12.42 crore, the State Government incurred an expenditure of Rs. 34.00 crore under the scheme 'Share capital contribution for expansion/installation of cooperative sugar mills and non sugar plants' out of the total expenditure of Rs. 70.37 crore made under the sub-head 'Cooperation' during 1985-90. With this investment, the Sugarfed has been able to complete the installation of three sugar mills at Tarn Taran (Sheron), Nakodar and Doraha out of the 7th Plan target of adding 7 mills in the cooperative sugar industry. Much of the work on the remaining four mills—Faridkot, Jagraon, Budhlada and Ajnala was also completed during 7th Plan though these mills went on stream during 1990-91.

5.8 Apart from the contribution towards State share (16.25%), an amount of Rs. 725.703 lakhs (Rs. 162.00 lakhs for Tarn Taran, Doraha, Nakodar and Fajilka Coop. Sugar Mills and Rs.563.703 lakhs for Ajnala, Jagraon, Budhlada and Faridkot Coop. Sugar Mills) was also provided to the Sugarfed to meet the shortfall in growers' share for the sugar mills. Besides, an amount of Rs. 60.00 lakhs was also provided during 1990-91 for 4 new sugar mills to compensate the loss suffered due to withdrawal of central investment subsidy by Govt. of India consequent upon their late commissioning.

5.9 Sugarfed is setting up 3 new sugar mills at Dasuya, Patran and Amloh of 2500 TCD capacity each at a total cost of Rs. 35.00 crore each which are

likely to be commissioned during 1992-93. The funds for these sugar mills have been provided as under :—

**PROVISION OF FUNDS FOR COOPERATIVE SUGAR MILLS UNDER  
CONSTRUCTION**

(Rs. in lakhs)

Name of the Mill	Total Cost	Total State share capital contribution by the State Govt. including NCDC share	State share			NCDC share		
			Total (16.25%)	Provided during 1990-91	Provided during 1991-92	Total (16.25%)	Provided during 1990-91	Provided during 1991-92
1	2	3	4	5	6	7	8	9
Dasuya	3500.00	1137.500	568.750	432.787	135.963	568.750	542.741	26.009
Patran	3500.00	1137.500	568.750	—	557.018	568.750	—	568.750
Amloh	3500.00	1137.500	568.750	—	557.019	568.750	—	568.750
<b>Total</b>	<b>10500.00</b>	<b>3412.500</b>	<b>1706.250</b>	<b>432.787</b>	<b>1250.000</b>	<b>1706.250</b>	<b>542.741</b>	<b>1163.509</b>

5.10 Besides, Sugarfed is also setting up one citric acid plant at a cost of Rs. 21.00 crore for which full State share capital contribution of Rs. 3.50 crore (Rs. 2.50 crore during 1990-91 and Rs. 1.00 crore during 1991-92) has been subscribed. In addition, two distilleries are also being set up at Nawanshahar and Nakodar at a cost of Rs. 7.00 crore each. Out of the total State share of Rs. 2.80 crore, an amount of Rs. 2.40 crore has been contributed upto 1991-92.

5.11 An amount of Rs. 3.30 crore is provided for Annual Plan 1992-93 under the scheme CN 6.2. 'Share capital contribution for expansion/installation of cooperative sugar mills and non-sugar plants' to the Sugarfed for the completion of 3 new sugar mills, two distilleries and also for strengthening of its share capital base. A token provision of Rs. 0.10 lakh has been made for Annual Plan 1992-93 to accommodate the funds anticipated to be received under the economic package to further strengthen the position of sugar mills in the cooperative sector.

**Cooperative Spinning Mills :**

5.12 As Punjab produces about 20% of the cotton grown in the country, setting up of spinning mills in the cotton belt districts of the State is another priority. Out of the total 21 spinning mills in the State, 6 mills operate in the cooperative sector. All these 21 spinning/composite mills consume only 6 lakh bales of cotton with 6 lakh spindles including 1.5 lakh spindles of 6 coop. spinning mills in the State, thus, leaving a gap of 15-16 lakh bales of cotton annually between production and processing. Four spinning mills of 25000 spindles capacity each have been commissioned

at Kotkapura, Abohar, Malout and Mansa in the co-operative sector by the end of 1985. The Goindwal Co-operative Spinning Mills Ltd., the first in the weavers sector was commissioned in December 1986 and has the capacity of 15360 spindles. The Barnala cooperative spinning mills Ltd at Tappa was set up in June 1987. This is also the first mill in the cooperative sector in which open-end machines of available latest technology of the time were installed. The Tappa Co-operative Spinning Mills with an approved capacity of 16345 spindles and 336 rotors has cost the Spinfed Rs. 943.00 lakhs. The mills, when in full production, will process about 21500 bales of cotton annually with yarn production of 325 lakh kgs. Apart from the above 6 cooperative spinning mills, Spinfed is setting up an Integrated cotton spinning and ginning project (BACOSPIN) under NCDC III World Bank agro industries based project at Bhatinda at a total cost of Rs. 20.50 crore. The mills will annually process 17440 M. Ts. of kapas for producing 5610 M.T.s of lint (33000) and also further spin 4885.65 M.T.s of yarn annually. The State Govt. has already fully met its liability of Rs. 410.00 lakhs @ 20% as State share capital contribution for this project. Due to delay in the completion of project, there has been cost overrun of Rs. 9.25 crore and thus the cost of the project has been revised to Rs. 29.75 crore. The State share of Rs. 1.85 crore in the cost overrun was also provided during 1991-92. Spinfed has also set up a central testing laboratory for testing of quality of cotton and yarn of the co-operative spinning mills in the State at a cost of Rs. 70.00 lakhs which started functioning during 1988-89.

5.13 An amount of Rs. 241.00 lakhs was provided during 1990-91 for the modernisation of Kotkapura and Abohar Coop. Spinning Mills and for

the setting up of ginning and pressing units at Mansa and Abohar. An amount of Rs. 185.90 lakhs was provided in 1991-92 for the modernisation of Malout cooperative spinning mills and setting up of two ginning and pressing units at Malout and Barnala.

5.14 An outlay of Rs. 139.86 lakhs is provided for Annual Plan 1992-93 under the scheme CN 6.4 'Assistance to Spinfed for expansion and setting up of spinning/ginning units' for the modernisation of Mansa cooperative spinning mills and construction of ginning and pressing units at Malout and Barnala.

#### Consumer Cooperatives

5.15 The Punjab State federation of consumers (CONSTOFED) has built up an efficient and regular channel for regulating distribution of consumer articles in villages through 238 lead societies and 2560 link societies. The target of sales of consumer goods in rural areas is fixed at Rs. 40.00 crore for 1992-93. A sum of Rs. 25.00 lakhs is provided under the scheme CN 6.8 'Contribution to the share capital of central cooperative consumer stores and state consumer federation' for strengthening the capital base of CONSTOFED, Punjab during Annual Plan 1992-93.

#### Cooperative Education, Research, Training and Publicity

5.16 An outlay of Rs. 18.00 lakhs for 1992-93 is proposed for the co-operative education, research, training and publicity. An outlay of Rs. 16.00 lakhs for 1992-93 is provided under the scheme CN 9.1 'Assistance to Punjab cooperative

union for education, training and publicity'. This assistance is being provided to implement

members' education, training programme and the expenses on publicity. An amount of Rs. 1.00 lakh for Annual Plan 1992-93 is provided under the scheme CN 3.1 'Assistance to Punjab cooperative union for research and case studies'. The balance amount of Rs. 1.00 lakh for Annual Plan 1992-93 is provided under the scheme CN 2.1 'Training of cooperative subordinate personnel'.

#### Cooperative Administration

5.17 An outlay of Rs. 0.05 lakh for the Annual Plan 1992-93 is provided under the scheme CN 1.1 'Additional departmental staff' as token provision for creation of essential posts.

#### Cooperative Audit

5.18 Regular, timely and effective audit is essential for proper functioning of the cooperative institutions. A token amount of Rs. 0.05 lakh for the Annual Plan 1992-93 is provided for the scheme CN 4.1 'Staff for audit of cooperative societies in the State' for creation of new posts which may have to be necessarily created for proper audit.

#### Remaining schemes reflected under other sub-heads Housing Cooperatives

5.19 The Punjab State federation of Cooperative house building societies (Housefed) is engaged in providing housing facilities to the shelterless. The achievements of this programme made up to 1990-91, targets proposed for the Annual Plan 1992-93 are indicated in the following table:—

### PROGRESS OF HOUSEFED PUNJAB

Item	Unit	Achievement as on 31-3-90	Achievement 1990-91	Achievement 1991-92	Target 1992-93
1	2	3	4	5	6
(i) Institutional finance raised					
(a) From LIC	Rs. in lakhs	6050.00	1250.00	1300.00	2000.00
(b) From Punjab State Coop. Bank Ltd	"	1000.00	500.00	—	1000.00
(c) From HUDCO	"	1950.98	71.94	75.12	—
Total (i)	"	9000.98	1821.94	1375.00	3000.00
(ii) Loans sanctioned					
(a) Rural	Rs. in lakhs	1137.70	574.00	950.47	900.00
(b) Urban	"	7100.38	754.00	859.67	2100.00
Total (ii)	"	8238.08	1328.00	1810.14	3000.00
(iii) Houses financed					
(a) Rural	No	2028	1148	1901	1800
(b) Urban	"	15076	1510	1720	4200
Total (iii)	"	17104	2658	3621	6000

5.20 To help flood victims of 1988, Housefed has also sanctioned Rs. 20.10 crore advanced by HUDCO to the members of villagers' cooperative house building societies of flood victims for reconstruction or repair of their 40871 houses.

5.21 During the 7th Plan, Housefed has constructed 372 four storeyed flats at an estimated cost of Rs. 3.00 crore under Mohali (Phase-I) Project. It has also taken up three projects at Bathinda, Mohali (Phase-II) and Ludhiana. It has acquired 77.49 acres of land at Bathinda for bringing up a cooperative housing complex with a programme of 493 plots and single storeyed houses designed on modern concepts of planning and architectural designs at an estimated cost of Rs. 12.00 crore. The project will be completed in a phased manner i.e. within three years. Land has also been acquired at Ludhiana and Mohali where 132 and 168 duplex type dwelling units are being constructed at an estimated cost of Rs. 10.00 crore. The construction work has already been started and the projects are likely to be completed within one year.

5.22 To accomplish the task, Housefed has been provided Rs. 585.00 lakhs as state share capital contribution upto 31-3-1991. To further strengthen its equity base, an amount of Rs. 200.00 lakhs is allocated during 1992-93 as state share capital contribution under the state plan scheme HG 5.1 (a) 'Assistance to housing societies/housing federation as margin money and managerial subsidy'. Institutional finance to the tune of Rs. 30.00 crore is proposed to be raised by Housefed during 1992-93 to achieve the target of financing 4200 houses in urban areas and 1800 houses in rural areas.

5.23 A new scheme HG 5.1 (b) 'Grant to cooperative house building societies/housing federation for development of housing project sites in rural areas' has been introduced during 1990-91 to give filip to housing activity in rural areas. An outlay of Rs. 93.00 lakhs is provided for Annual Plan 1992-93. Under this scheme, subsidy is provided to those primary cooperative house building societies which undertake the construction of a minimum of 11 dwelling units at a distance of minimum of 5 kilometres away from the municipal limits of a town. This will lessen the pressure on urban areas and encourage people for improving the environment in the villages. The condition regarding municipal limits does not apply to border areas of Amritsar, Gurdaspur and Ferozepur Districts. Further, subsidy will be provided to only those societies whose members do not own plot of more than 80 yards. Subsidy @ 25% of the total cost of the development project will be given as under :—

- (i) 50% of the total amount of subsidy would be released after the purchase of stores/materials on certification by a technical person.
- (ii) Another 25% at the start of work and the remaining 25% at the completion of the project.

## Dairy Cooperatives

5.24 Milk producers cooperative societies eliminate the middle men between the producers and the milk plant, enable the members to avail institutional finance for the purchase of cattle and facilitate the procurement of inputs and services. Cooperativisation of dairy sector started with Operation Flood-I programme during the period 1970-79. Operation Flood-II saw its vast expansion during 1979-87 to achieve the targets of milk for millions and prosperity for milk producers. MILKFED, Punjab have implemented Operation Flood-I and II programmes at a total cost of Rs. 90.33 crore. It has availed Rs. 52.40 crore from NDDB both in cash and kind under Operation Flood-II/III upto 31st March, 1992.

5.25 Operation Flood-III programme is under implementation over the period 1987 to 1992. The salient features of Operation Flood-III programme under which an investment of Rs. 29.10 crore has been proposed are as under :—

- (i) Establishment of 6000 Anand pattern village level milk producers cooperative societies.
- (ii) Increase in the total handling capacity of milk plants from 11.60 lakh litres per day to 14.25 lakh litres per day.
- (iii) Increase in the conversion capacity (Powder making capacity of milk plants) from 56.50 M.Ts. per day to 99 M.Ts. per day.
- (iv) Establishment of a 4.00 M.Ts. per day 'Malted Milkfood' manufacturing facility.
- (v) Setting up of APS (Aseptic packaging station) with facilities of 50,000 litres per day.
- (vi) Expansion of cheese manufacturing facilities from 10 M.Ts. per month to 20 M.Ts. per month.

5.26 During the 7th plan, milk plants at Gurdaspur and Patiala and Cattle Feed plant at Ghania-Ke-Banger have been set up while the capacity of milk plants at Jalandhar, Hoshiarpur and Bhatinda has been expanded. The progress of various projects under implementation as on 31st March, 1992 is as under :—

### (a) Milk Plant Ludhiana.

The existing handling capacity of this plant is being expanded from 1.00 lakh litres per day to 3.00 lakh litres per day which will increase the Powder making capacity by 30.00 M.Ts per day. The installation and commissioning of machinery except the Powder Plant has been completed in the month of Nov. 1991. The commissioning of Powder plant get delayed due to non-receipt of MVR fan which is being imported from Germany through NDDB. The Powder plant shall be commissioned by the end of Dec. 1992 if the MVR fan is received in time.



Till date, about Rs. 9.35 crore against revised cost of Rs. 14.64 crore have been spent. Completion of work in terms of value is 64 per cent.

**(b) Milk Powder Plant, Jalandhar**

It is proposed to increase the capacity of Powder Plant Jalandhar from 11.5 M.Ts. per day to 24 M.Ts. per day. Installation of malted milk food manufacturing plant with capacity of 4 M.Ts. per day has been completed. Trial has been completed and commercial production started. The expansion of Powder plant has also been completed in January, 1989. The total expenditure incurred till date on these two works is Rs. 175.00 lakhs against total estimated cost of Rs. 300.00 lakhs.

**(c) Milk Chilling Centre, Ferozpur, Cap. 50,000 LPD.**

The construction of the chilling centre building is near completion and erection of refrigeration plant has been taken up. The total expenditure incurred till date is Rs. 80.00 lakhs out of total estimated cost of Rs. 88.55 lakhs. Physical progress in terms of value is 90 per cent. The chilling centre has been completed and efforts are being made to get permanent power connection to carry out trial run.

**(d) Milk Plant, Verka (Amritsar)**

It is proposed to expand the handling capacity of this plant from 60,000 litres per day to 1 lakh litres per day with the strengthening of powder plant at an estimated cost of Rs. 84.50 lakhs. Approval for

Civil Works has been received for which tender has been invited. Sanction for the project expansion has not been received from NDDB.

**(e) Cheese Plant at Milk Plant, Mohali**

It is proposed to expand the existing cheese manufacturing facilities at Milk Plant, Mohali to 20 M.Ts. per month in the first phase. The total expenditure incurred till date is about Rs. 50.00 lakhs. Physical Progress in terms of value is 40 per cent.

**(f) Aseptic Packaging Station at Milk Plant, Chandigarh.**

It is proposed to set up an Aseptic packaging station at Milk Plant, Chandigarh with a capacity to handle 50,000 litres per day of milk and also for custom packaging of fruit juices in tetrabricks in 200 ml. and 1000 ml. packs. The total expenditure incurred till date for civil works is Rs. 190.00 lakhs out of total estimated cost of Rs. 270.00 lakhs. Physical progress is 60 per cent. Civil works of the main building are near completion and trials are in progress. Commercial production has been started in July, 1991.

5.27 To procure milk for the milk plants, 4854 Anand pattern milk producers cooperative societies are functional and artificial insemination facilities have been provided in 475 societies to serve the members of milk producers cooperative societies by the Milkfed upto 31st March, 1992. The progress in respect of various activities relating to Milkfed, Punjab is depicted in the table below :—

**PROGRESS REPORT OF VARIOUS ACTIVITIES RELATING TO MILKFED PUNJAB**

Sr. No	Particulars	Units	7th Plan 1985—90		Achievement 1990-91	Achievement 1991-92	Target 1992-93
			Target	Achievement			
1	2	3	4	5	6	7	8
1	Total No. of societies organised	No. cumulative	6000	4910	5774	5970	6000
2	Membership	No. in lakhs	6.00	2.87	3.15	3.24	3.79
3	Average milk procurement per day	Lakh litres	17.20	3.99	3.95	4.80	4.60
4	Mobile veterinary units	No.	120	22	—	—	—
5	No. of A.I. centres/societies	"	5600	3674	446	475	—
6	No. of animals inseminated	Lakhs	8.70	4.45	0.92	1.00	—
7	Quantity of cattle feed sold	Lakh tonnes	1.57	1.59	0.39	0.46	—
8	Handling capacity	Lakh litres per day	12.10	12.10	12.10	12.10	14.10

5.28 Milkfed, Punjab has created a capacity of 12.10 lakh litres per day in all its milk plants very rapidly in its zest for achieving the target of milk for millions and prosperity of milk producers under Operation Flood programme which is far more than the present rate of milk procurement of about 3.95 lakh litres per day. As such, all its milk plants except one at Ludhiana are accumulating losses year after year. The poor performance of Milkfed in comparison to the private sector units is mainly attributed to very low utilisation capacity of its milk plants, i.e. 45%. Due to dismal procurement of milk, Milkfed can not become a viable unit, until it prevails upon this state of affairs by raising the procurement price of milk, effecting reduction in its overhead costs and minimising its heavy interest liabilities. To make the dairy cooperatives stand on their feet and to strengthen liquidity base of Milkfed, Rs. 4.20 crore is provided for Annual Plan 1992-93 under the Scheme DM 4.1 'Share capital contribution to primary cooperative milk societies, union and milk federation' against the expenditure of Rs. 3.50 crore during 1991-92.

#### Industrial Cooperatives :

5.29 There are about 3218 industrial cooperative societies including 608 weavers societies functioning in the State. The members of the societies belong to weaker sections mainly the weavers, blacksmiths, carpenters, tanners, shoe makers, etc. They are mostly illiterate and require subsistence employment. The State Govt. as well as Central Govt. attached great importance to the economic uplift of these artisans.

5.30 There is an apex body of handloom weavers cooperatives called WEAVCO. This society provides facilities like supply of raw material and marketing of finished goods. It also provides technical know how to the primary weavers societies. Broadly, the following activities have been taken up by this Institution :—

- (i) Marketing infrastructure for sale of handloom products produced by the primary handloom societies.
- (ii) Providing technical guidance and new designs to the primary handloom societies.
- (iii) Providing raw material on prevailing market rates ;
- (iv) Providing processing facilities to the primary handloom societies.

5.31 The WEAVCO has set up 24 showrooms within and outside the State to provide market avenues for the products of primary weavers societies. In addition, it has set up 8 yarn banks to ensure speedy supply of cotton yarn to the primary societies. The sales of this institution have been as under :—

(Rs. in lakhs)

1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
1	2	3	4	5	6
84.91	125.00	159.40	360.01	305.00	550.00

The targetted sales for 1992-93 are Rs. 600.00 lakhs.

5.32 In order to strengthen the handloom sector financially and help the poor strata of society, an outlay of Rs. 20.00 lakhs is provided for 1992-93 against the expenditure of Rs. 15.00 lakhs during 1991-92 under the Scheme IN 10.1 'Participation in the state share capital of industrial cooperatives including apex handloom/primary handloom weavers cooperative societies'. To further boost the sale of handloom products, rebate under the scheme IN 10.3 'Market development assistance and rebate to apex handloom/primary handloom weavers cooperative societies' to the tune of Rs. 30.00 lakhs is provided during Annual Plan 1992-93.

5.33 To provide pre-loom and post-loom facilities, WEAVCO has set up 2 processing units at Amritsar and Hoshiarpur at a total cost of Rs. 72.00 lakhs. The machinery of the processing units is obsolete. For modernisation/replacement/expansion of these units, an amount of Rs. 199.50 lakhs is required. Besides, with the shifting in the pattern of production by the primary weavers societies, there is a great demand for shoddy yarn. According to an estimate, 20 lakh kgs of shoddy yarn is being used by the societies to produce about 8.50 lakh blankets per year. To meet out the demand of shoddy yarn, the WEAVCO will be setting up a shoddy spinning plant estimated to cost Rs. 5.00 crore. The site has already been purchased by WEAVCO from PSIEC. It is also proposed to set up regional godowns at a cost of Rs. 1.00 crore to meet the requirement of increasing business. For the purpose of setting up these units, an outlay of Rs. 54.00 lakhs was provided during 1990-91 and 1991-92 under the scheme IN 10.4 'Assistance as share capital to apex handloom cooperative society for setting up processing units/shoddy spinning plants/regional godowns'. An outlay of Rs. 52.50 lakhs is provided for 1992-93 for setting up these units. The scheme is to be implemented as per the following financing pattern :—

State Govt. share capital contribution	15%
NCDC share	80%
WEAVCO share	5%

5.34 An amount of Rs. 5.00 lakhs is provided for Annual Plan 1992-93 under a new scheme 'Scheme for modernisation of handlooms in cooperative sector as share capital' for the modernisation of the existing looms and replacing them with the semi-automatic handlooms for raising their level of production which is the crying need of the hour.

#### Physical targets and achievements :

5.35 The physical targets and achievements in respect of various activities of Cooperation Department are given in Annexure I. Important statistics with regard to cooperatives are given in Annexure-II.

## ANNEXURE-I

Serial No.	Item	Unit	Seventh Five Year Plan (1985-90)		1990-91 Achievement	1991-92 Anticipated Achievement	1992-93 Target
			Target	Achievement			
1	2	3	4	5	6	7	8
1	Cooperative Banks—						
	(i) Branches	.. No.	625	640	655	658	661
	(ii) Deposits	.. Rs. in Crore	425.00	573.81	1005.57	850	1150
2	Reorganised Primary Agricultural Service Societies	.. No.	3356	3377	3377	3377	3377
3	Agricultural loan advanced during the year						
	(i) Short term	.. Rs. in Crore	600.00	506.22	363.13	552.94	500.00
	(ii) Medium Term	.. "	10.00	1.28	0.46	1.50	1.00
	(iii) Long term—						
	(a) Ordinary	.. "	63.00	45.07	10.00	12.00	12.00
	(b) Special ARDC	.. "	287.00	248.64	48.09	74.00	83.00
4	Loans to small and marginal farmers :						
	(i) Short term	.. % of total Agricultural loan	50	50.5	51	51	51
	(ii) Long term	.. "	65	65	65	65	65
5	Over due of short term agricultural loans :						
	(i) Central Cooperative Banks	% of Demand	18	42.4	20	21	25
	(ii) Primary Agricultural Service Societies	.. "	20	16	20	20	35
6	Fertilizer retailed by cooperatives :						
	(i) Quantity	.. Lakh Tonnes	6.00	4.85	3.74	6.00	6.00
	(ii) Value	.. Rs. in Crore	300.00	254.50	185.54	300.00	300.00
7	Agricultural produce marketed by Cooperatives	.. "	450.00	371.00	328.00	550.00	550.00
8	Retail sale of consumer goods by the urban consumer cooperatives	.. "	5.00	4.12	4.50	4.50	4.50
9	Retail sale of consumer goods through cooperatives in rural areas	.. "	50.00	30.40	36.93	40.00	40.00
10	Processing Units :						
	(i) Organised	.. Nos.	97	87	87	94	94
	(ii) Installed	.. "	91	70	70	75	75
11	Dairy Programme :						
	(i) Fluid Milk Plants	.. "	12	10	10	10	10
	(ii) Milk Product factories	.. "	7	9	9	9	9
	(iii) Milk Producers Coop. Societies	.. "	6000	4910	5774	5970	6000
	(iv) Dairy/Milk Producers Unions	.. "	11	11	11	11	11

**ANNEXURE-II**  
**IMPORTANT STATISTICS**  
**(COOPERATION)**

**Cooperative Societies:**

1. Total no. of cooperative societies in the State as on 31st March, 1990	..	27377
2. No. of agriculture credit/service societies functioning as on 31st March, 1990	..	3460
3. Total no. of Industrial co-operative societies in the State as on 31st March, 1990	..	7002
4. No. of industrial societies actually functioning out of (3) above	..	3218

**Milk Plants :**

5. Total No. of milk plants in the State as on 31st March, 1991	..	15
6. Milk plants in the cooperative sector as on 31st March, 1991 out of (5) above	..	10
7. Milk Plants under construction in the cooperative sector	..	—
8. No. of milk chilling centres in the state as on 31st March, 1991	..	41
9. Milk chilling centres in the co-operative sector as on 31st March, 1991	..	35

**Sugar Mills:**

10. Total No. of sugar mills in the State as on 31st March, 1991	..	17
11. No. of sugar mills in the cooperative sector out of (10) above	..	15
12. No. of sugar mills under installation in the cooperative sector	..	3
13. Total sugarcane production in Punjab during the year, 1990-91	..	55.52 Lakh Tonnes
14. Sugarcane crushed during 1990-91	..	31.02 Lakh Tonnes
15. Percentage of sugarcane crushed in the State during 1990-91	..	{ 55.87%

**Spinning Mills:**

16. No. of spinning mills in the State (1991)	..	21
17. No. of composite mills in the State (1991)	..	2
18. No. of spindles installed	..	6.01 Lakh
19. No. of spinning mills in the cooperative sector as on 31st March, 1991	..	6
20. No. of spinning mills under construction in the cooperative Sector	..	1
21. Total production of cotton in Punjab during 1990-91	..	19.00 Lakh Bales
22. Cotton produced in the Punjab as percentage of total production of cotton in the country	..	20%
23. Spindlage capacity in Punjab as percentage of total spindlage capacity of the country	..	4.63%
24. Percentage of cotton consumed/spinned in all the mills in the State (1990-91)	..	23.70%

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme wise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan (1992-93)		
		Approved Outlay	Anticipa- ted Expendi- ture	Approved Outlay	Of which capital content	
1	2	3	4	5	6	
<b>101242500 Cooperation</b>						
<b>001 Direction and Administration</b>						
CN 1.1	Additional Departmental Staff ..	—	1.00	—	0.05	—
	Total:001 ..	—	1.00	—	0.05	—
<b>003 Training:</b>						
CN 2.1	Training-of Co-operative subordinate Personnel ..	0.96	1.00	1.00	1.00	—
	Total:003 ..	0.96	1.00	1.00	1.00	—
<b>004 Research and Evaluation:</b>						
CN 3.1	Assistance to Punjab Co-operative Union for research and case studies ..	1.00	1.00	1.00	1.00	—
	Total:004 ..	1.00	1.00	1.00	1.00	—
<b>101 Audit of Co-operatives :</b>						
CN 4.1	Staff for audit of Co-operative Societies in the State ..	—	5.00	—	0.05	—
CN 4.2	Training and Education of Audit Staff ..	—	—	—	—	—
	Total:101 ..	—	5.00	—	0.05	—
<b>107 Assistance to Credit Co-operatives:</b>						
CN 5.1	Share Capital contribution to Apex, Central and Primary Credit Institutions and Societies ..	190.00	300.00	300.00	300.00	300.00
CN 5.2	Assistance to Central Co-operative Banks/ Primary Agricultural Service Societies as bad debt reserves and for consumption loan (Risk Fund) ..	10.00	10.00	10.00	10.00	—
CN 5.3	Loan Assistance to Co-operative Societies/ Credit Institutions in the Cooperatively underdeveloped States and special areas for non-over due cover ..	35.00	50.00	50.00	50.00	50.00
CN 5.5	Assistance to Punjab State Cooperative Agricultural Development Bank Ltd. to strengthen the Credit Rehabilitation Fund ..	—	1.00	1.00	1.00	—
CN 5.6	Investment in share capital of the Punjab State Co-operative Agricultural Develop- ment Bank Limited and Punjab Agri- cultural Development Banks ..	—	10.00	10.00	10.00	10.00
	Total:107 ..	235.00	371.00	371.00	371.00	360.00

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme wise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan (1992-93)		
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	
1	2	3	4	5	6	
<b>108 Assistance to other Co-operatives: Co-operative Processing</b>						
CN 6.1	Assistance to Markfed for setting up processing units	90.00	223.00	73.50	255.00	255.00
CN 6.2(a)	Share Capital contribution for expansion/installation of Cooperative Sugar Mills and Non-Sugar Plants	1000.00	1350.00	1490.00	330.00	330.00
CN 6.2 (b)	Assistance to the sugar mills under economic package	—	—	—	0.10	0.10
CN 6.3	Assistance to Cooperative Sugar Mills for installation of distillery and Effluent Treatment Plants	—	—	—	—	—
CN 6.4	Assistance to Spinfed for expansion and setting up Spinning/Ginning Units	241.00	185.90	185.90	139.86	139.86
CN 6.4 (a)	Scheme for providing margin money assistance to Cooperative Spinning Mills	—	—	300.00	—	—
CN 6.5	Assistance to Spinfed for setting up of Central Laboratory for testing quality of cotton and yarn	—	—	—	—	—
<b>Co-operative Storage:</b>						
CN 6.7	Construction of wheat storage godowns-NCDC-II Project	—	—	—	—	—
<b>Consumer Co-operatives</b>						
CN 6.8	Contribution to Share Capital of Central Consumer Stores and State Federation	12.00	5.00	5.00	25.00	25.00
Total:108		1343.00	1763.90	2054.40	749.96	749.96
<b>109 Agriculture Credit Stabilisation Fund:</b>						
CN 7.1	Assistance to Central Co-operative Banks for Agriculture Stabilisation Fund	—	5.00	—	5.00	—
CN 7.2	Loan Assistance to Punjab State Co-operative Bank for Agricultural Stabilisation Fund	—	0.10	0.10	0.10	0.10
Total:109		—	5.10	0.10	5.10	0.10
<b>190 Assistance to Public Sector and Other undertakings:</b>						
CN 8.2	Assistance to Markfed for contribution as share capital in national level projects for production of inputs	—	—	—	—	—
CN 8.3	Share Capital contribution for rehabilitation of MARKFED	—	—	—	—	—
CN 8.4	Assistance to State Level Federation of Agricultural Processing Societies (Spinfed)	—	—	—	0.10	0.10
CN 8.5	Share Capital contribution to Co-operative Cold Storages and Cold Stores Federation	—	—	—	—	—
Total:190		—	—	—	0.10	0.10

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme wise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme		Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan (1992-93)	
			Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1		2	3	4	5	6
<b>277—Education:</b>						
CN 9.1	Assistance to Punjab Co-operative Union for Education, Training and Publicity	21.00	16.00	16.00	16.00	5.00
	Total:277	21.00	16.00	16.00	16.00	5.00
	Total :Sub-head Cooperation	1600.96	2164.00	2443.50	1144.26	1115.16
<b>Remaining Schemes reflected under Other Sub-heads:</b>						
<b>Housing</b>						
<b>Housing</b>						
<b>State Level Schemes</b>						
223221600 Housing—						
104 HG 5.1(a)	Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy	150.00	200.00	200.00	200.00	200.00
	Total—State Level Schemes	150.00	200.00	200.00	200.00	200.00
<b>District Level Schemes</b>						
104 HG 5.1 (b)	Grant to Cooperative house building Societies/housing Federation for development of housing project sites in rural areas	—	120.00	—	93.00	—
	Total—District Level Schemes	—	120.00	—	93.00	—
	Grand Total (State + District)	150.00	320.00	200.00	293.00	200.00
<b>Dairying and Milk Supply</b>						
101240400 Dairy Development—						
102 DM4.1	Share Capital Contribution to Primary Co-operative Milk Societies, Union and Milk Federation	250.00	350.00	350.00	420.00	420.00
	Total:102	250.00	350.00	350.00	420.00	420.00

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan 1992-93		
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Industry and Minerals</b>						
106285100 Villages and Small Industries—						
110 IN10.1	Participation in the Share capital of Industrial Cooperatives including Apex Handloom/Primary Handloom Weavers Co-operative Societies	8·10	15·00	15·00	20·00	20·00
IN 10.2	Subsidy to Central Co-operative Banks for advancing loans to Industrial Co-operatives including Handloom Weavers Cooperative Societies at concessional rate of interest	—	—	—	—	—
IN 10.3	Market Development Assistance and rebate to Apex Handloom and Primary Handloom Weavers Co-operative Societies	38·02	25·00	25·00	30·00	—
IN 10.4	Assistance as Share Capital to Apex Handloom Cooperative Society for setting up processing Units/shoddy spinning plants/regional godowns	1·50	52·50	52·50	52·50	52·50
IN 10.5	Scheme for modernisation of handloom in co-operative sector as share Capital	—	—	—	5·00	5·00
Total:110		47·62	92·50	92·50	107·50	77·50
Total:Remaining Programmes		447·62	762·50	642·50	820·50	697·50
Grand Total:Co-operation Department		2048·58	2926·50	3086·00	1964·76	1812·66





## CHAPTER VI

### Irrigation and Flood Control

Punjab is predominantly an agricultural state and about 80 per cent of its population is dependent upon agriculture. The importance of irrigation to agriculture has further increased with new farm technology based on high yielding varieties of crops and increased application of fertilizers.

6.2 Since most of the surface water in the state has already been exploited main thrust and approach in future in the State is better water management and improved functioning to make the best utilisation of available water. To achieve this, a comprehensive programme for modernisation of whole irrigation system has been envisaged for Annual Plan 1992-93. For this purpose, the canals distributories, minor and water courses are being lined for minimising conveyance losses and better water management. Another scheme for providing gates and gearing on all the canals to replace the old 'Karri' system has been included to avoid any loss due to leakage and hence conserve the available supplies, which will ultimately be utilised in area, presently devoid of irrigation facility.

6.3 The broad strategies, the guiding considerations in implementation of the irrigation and flood control and command area development programmes which underlines the crux of formulation of annual plan 1992-93 are as under :—

- (i) Speedy completion of ongoing major and medium irrigation projects ;
- (ii) Modernisation of existing irrigation system and improvement in quality/efficiency of water management and speedier utilisation of potential already created, particularly under major and medium irrigation ;
- (iii) Restoration and improvement of minor irrigation works ;
- (iv) Encourging construction of minor irrigation works ;
- (v) Drainage planning for water-logged area under irrigation ;
- (vi) Ground Water Development as sole source ;
- (vii) Long term flood management planning including implementation of National Perspective Plan;
- (viii) Employment generation through various development programmes ;

- (ix) 'Encouraging' conjunctive use of ground water and surface water.

6.4 The project size of Punjab Irrigation and Drainage Project Phase-II has been kept at approximately Rs. 459.7 crores of the current rupee dollar exchange rate. The World Bank Assistance is of the order of 165 million US Dollars (IDA credit 150 million US dollars and IBRD loan of US Dollars of 15 millions). The entire amount of the credit will be passed on to the State Government as Central Plan Assistance for implementing the project over a period of 7 years though there is no bar in hastening the implementation schedule and drawing bank assistance in shorter period. The project is expected to be completed by September 30, 1997. Punjab's investment programme in irrigation which would be supported through the proposed project, has the following objectives :—

- (a) Improving the productivity of the existing irrigation system ;
- (b) Raising living standard in the poorest and most backward areas of the state through development of irrigation facilities ;
- (c) Initiating drainage works, trials and studies to address the short and long term environmental and production impact of the raising water table in the state of Punjab in the context of other basin states; and
- (d) Further upgrading the efficiency and skills of the irrigation system.

6.5 Though the percentage of net area irrigated to net area sown during 1989-90 in the State was about 94 per cent but it was as low as 60.0 per cent in Hoshiarpur, and 67.3 in Ropar Districts. In order to tackle the problem of irrigation and to bring these areas at par with the rest of the State, development of irrigation facilities in this tract (Kandi) is being taken up more vigorously by completing the Kandi Canal with financial assistance from World Bank. Another project for the development of irrigation facilities in the Kandi and Backward area is installation of deep tubewells. Some lift irrigation schemes are also being completed for providing assured means of irrigation to these areas.

6.6 Keeping in view the importance of new farm technology irrigation has been accorded a comparatively high priority. During the Annual Plan 1992-93 a sum of Rs. 90.00 crores has been provided

for this sub-head. Out of which a sum of Rs. 10.88 crores has been provided for district plan.

(Rs. in lakhs)

Sr. No.	Programme	7th Plan Approved Outlay	7th Expenditure	Actual Expenditure (1990-91)	Anticipated Expenditure 1991-92	Annual Plan 1992-93 Approved Outlay
1	2	3	4	5	6	8
1	Major & Medium Irrigation	26888.00	22022.65	2841.20	4018.00	4071.00
2	Minor Irrigation					
(i)	Agriculture Department	100.00	87.82	9.82	70.00	80.00
(ii)	Irrigation Department	3712.00	2210.88	547.45	990.38	1139.00
(iii)	Punjab State Tubewell Corporation	1000.00	1196.80	1160.38	870.00	870.00
Sub Total (i)+(ii)+(iii)		4812.00	3495.50	1717.65	1930.38	2089.00
3	Command Area Development	1600.00	3300.00	578.40	1700.00	1200.00
4	Flood Control Drainage and Anti-water-logging	3700.00	6092.98	1487.40	2200.59	1640.00
Total (1+2+3+4)		37000.00	34911.13	6624.65	9848.97	9000.00

#### Extension and Improvement of Shah Nehar Canal System :

6.7 Shah Nehar Canal is an inundated canal off taking from river Beas at temporary Ray Head situated 5 Kms. down stream of Pong Dam.

6.8 Construction work on Kandi Canal which off takes from 5575 metres left side of Mukerian Hydel Channel with a head discharge of 500 cuses was taken up during 1978-79. This provide irrigation facilities to Barani areas of 24650/19720 Ha. (GA)CCA) of Kandi tract which is backward area of District Hoshiarpur. The up dated cost at 3/89 price level is 66 crores. An expenditure of Rs. 36.26 crores has been incurred on kandi canal upto 3/90.

6.8 Kandi Canal upto RD 23 Km. along with Ghogra Disty., Dasuya Disty. and Mirpur Minor have been completed and is providing irrigation water upto RD 10 Km. since December, 1989. The total utilisation of potential after the completion of Kandi Canal Stage-I be will alone as 15.60 Th. Ha. The World Bank has agreed to finance the component of Kandi Canal under the Punjab Irrigation and Drainage Project Phase II. A sum of Rs. 12.00 crores has been provided Annual Plan 1992-93 against the anticipated

expenditure of Rs. 12.00 crores during 1991-92.

#### Lining of Channel Phase-II

6.9 The Phase-II Project of Lining of Channel is in continuation of on-going Phase-I Project. The project envisages lining of 816 Kms. length of channel at an escalated cost of Rs. 102 crores. The selection of channels for lining under this project has been made on selective basis as per recommendation of Lining Committee headed by S. R. S. Gill. During annual plan lining of Channels in saline ground water area, water-logged one and sandy will be done. Allocation for Annual Plan 1992-93 is Rs. 12.00 crores. It is proposed to line 125 Km during 1992-93 creating additional irrigation potential 8000 hect.

#### Satluj Yamuna Link Canal Project :

##### (i) Main Canal :

6.10 The Satluj Yamuna Link Canal is mainly a carrier channel for transporting the water falling to the share of Haryana upto 6500 Cs. through this canal. The proposed SYL canal is 121 Km. in length. The project is likely to be completed by the end of 1992-93. A sum of Rs. 2.00 crores is provided for the annual plan 1992-93 against the anticipated expenditure of Rs. 3.00 crores during 1991-92.

**(ii) Providing Irrigation facilities to Punjab Area from SYL :**

6.11 SYL Canal is under construction for carrying Haryana's share of surplus water of Ravi & Beas rivers. As the SYL Canal passes through Punjab territory, it is considered worthwhile and expedient to irrigate Punjab area lying on both side of SYL Canal by passing the requisite additional discharge through it. Thus a discharge of about 900 cs. is proposed to be utilised for irrigating the field of Ropar and Patiala districts located on both sides of SYL Canal by lift irrigation. There will 11 number off-takes for lifting of water from main SYL Canal and there will be 32 number pumping stations. The approximate total length of channels will be 500 Kms. Total power requirement for various pumping stations will be about 10 M.W. About 130,000 Hactares (321,100 Acre) C.C.A. is proposed to be irrigated under this scheme. The water allowance for the proposed irrigation scheme has been adopted as 2.75 Cs. per 1000 Acres of C.C.A. The revised cost of the project is about Rs. 142 crores whereas a sum of about Rs. 42 crores has been incurred upto end of Seventh Five-Year Plan. A sum Rs. 1.50 crores has been provided for this scheme against the anticipated Expenditure of Rs. 2.00 crores during 1991-92.

**Remodelling of Channels : Utilisation of Surplms Ravi Beas Water**

6.12 The project envisages the utilisation of part of surplus Ravi Beas Water by remodelling of existing Irrigation channels to increase the water allowance from 2.75 Cs. to 3.50 Cs. thousand acre CCA at distributory head for the area lying South-West of Ferozpur to Jakhal Railway line and to extend irrigation to new areas in Ferozpur, Ludhiana, Sangrur, Patiala, Bhatinda and Faridkot Districts. The work on this scheme is in advance stage of completion and an expenditure of about of Rs. 1432.00 lacs has been incurred upto 31st March, 1990 creating an additional irrigation potential of 303.84 th. hec. During the year 1992-93 a provision of Rs. 1.00 crore have been provided against the anticipated expenditure of the Rs. 1.00 crores during 1991-92.

**Raising lining of Bhakra Main Line Canal for providing adequate free Board :**

6.13 The approval of the modified project cost of Rs. 827.00 lacs (Punjab 82.12 lacs) has been recently been recieved. This scheme envisages restoration of the capacity of B.M.L. to authorised full supply. Provision for 1992-93 is of Rs. 1.00 lacs against the anticipated expenditure of Rs. 1.00 lac during 1991-92.

**Construction of new lined combined channels of Bikaner Canal and branch of eastern canal :**

6.14 Bikaner Canal was constructed in the year 1926 with a designed discharge capacity of 2720 cusec at head. The condition of the channel has deteriorated and the supply in the channel has to be reduced considerably in order to run it safely. It has been decided in principle to construct a combined channel for Bikaner Canal and main branch of Eastern Canal which will be able to supply the authorised

full supply discharge to Rajasthan State at the border in addition to remove waterlogging. The total cost of the project is estimated at Rs. 8059 lakh (February, 1986), the share cost of Punjab works out to Rs. 1849 lakh. Token provision of Rs. 1.00 lacs has been provided during 1992-93.

**Irrigation to Himachal Area below Talwara :**

6.15 Keeping in view existing water allowances norms in Punjab, Himachal Pradesh will get 228 cs of water regularly without payment of cost. The cost of lined channels for irrigating the area currently receiving irrigation in Himachal Pradesh including head regulator will be borne by the Punjab Government and for the potentially irrigable area, the cost of channel will be shared between the two governments under formula mutually agreed between Punjab Government and Himachal Government regarding construction of Shahnehar Barrage and Mukerian Hydrel Channel. A token provision of Rs. 1.00 lacs has been provided for 1992-93 against the anticipated expenditure of Rs. 5.00 lacs during 1991-92.

**Rehabilitation and Improvement of Canal Regulation Structure in the Canal System of Punjab (Providing Gates and Gearing) :**

6.16 The object of this project component is to modernise the existing outmoded water regulation arrangements having 'Karries' (Wooden) with gates and gearing and hoisting arrangement with a view to save the precious canal water that goes waste and to render the regulation and management of irrigation supplies more efficient and functional. It has been therefore proposed to replace the existing karri system on all such structures with steel gates and gearing for proper and efficient regulation. The scheme also envisages provision of new escapes on various canal system with twin objective i.e. for facilitating quick drainage of canal water for regulation and main tenance in case of emergenet situations like cuts and breaches and for artificial recharging underground water for the tracts, where water table has gone down by releasing canal supplies into the existing drainage system. A sum of Rs. 140.00 lacs has been provided for 1992-93 against the anticipated expenditure of Rs. 111.00 lacs during the 1991-92. The scheme forms a Component of Punjab Irrigation and Drainage Project Phase-II to be executed under the World Bank aid.

**Communication System on Canals :**

6.17 The Punjab State has a vast net work of canals system fed by rivers viz. Satluj, Ravi, Beas and Ghaggar. Presently there are about 117 telegraph offices and 318 magnetic type telephones to monitor daily discharges of head works, canals branches, distributaries and minors. As the single wire has its own limitation a proposal has been formed to install wireless sets at important sites such as on Beas at Mirthal, Dhilwan and Mandi Plain, on Satluj at Yusafpur, on Ravi at Dera Baba Nanak and on Ghaggar at Khanouri and Narwana Branch crossing which are main controlling points for collecting flood data. Provisions provided for 1992-93 is Rs. 50.00 lacs. The scheme forms a component of Punjab Irrigation and Drainage Project Phase-II to be executed under the World Bank aid.

### Computer Aided Design and Training :

6.18 Punjab Irrigation Department is engaged in construction and maintenance of multipurpose river valley projects and huge network of canals and drains. The necessity of use of electronic data processing is felt due to need for managing the voluminous and continuously changing data, economically and efficiently. This will provide improved decision making for creating capabilities, thus resulting in implementation of management problems in a planned and systematic manner. An amount of Rs. 50.00 lacs has been provided for 1992-93. This scheme forms the part of World Bank aided Punjab Irrigation and Drainage Project Phase-II.

### Punjab Irrigation Management and Training Institute (PIMTI) :

6.19 The object of PIMTI is to impart training to the new entrants in the Punjab Irrigation Department with basic rules and techniques. Further to run refresher course for senior level officers of the department with a view to update their professional skills. Also another objectives which is set hence forth is to hold workshop/seminars to promote interaction between planners, designers and practising engineers. A sum of Rs. 100.00 lacs has been provided during 1992-93. The scheme forms the part of World Bank aided project.

### Water Development Scheme :

#### Research Scheme :

6.20 A number of research schemes are being carried out at Irrigation and Power Research Institute, Amritsar. New research experiments programmes to introduce modern techniques in irrigation, technology to evolve economical design criteria for adoption in future projects are being carried out in this Research Institute. A sum of Rs. 55.00 lacs has been provided during 1992-93 against the anticipated expenditure of Rs. 50.00 lacs during 1991-92.

#### Investigation of Schemes :

6.21 The available surface water resources in Punjab State have already been exploited and harnessed except water of river Ravi for which Ranjit Sagar Dam is in progress. For the development of irrigation in the State in future, attention will have to be concentrated on making the most efficient use of water. Therefore, investigations are required for new schemes with orientation towards the goal of utilisation of the available water resources to get the maximum return from irrigated land. The scheme envisages investigation and preparation of Medium and Minor lift and flow irrigation schemes for the purpose of utilising the available surface flow for providing irrigation to the new area presently

devoid of any irrigation system, extending irrigation to the old areas already under command for improving the intensity of irrigation and modernisation of the existing irrigation system. Besides the existing arrangement considerable attention will have to be focussed in introducing new irrigation practices, and modern water management techniques.

6.22 Besides, the detailed topographical and geological investigations of the selected dam sites in the Kandi area, and also the detailed survey of the reservoir area including the hydrological investigations and material surveys are also carried out. A sum of Rs. 110.00 lakhs has been provided during 1992-93 against the anticipated expenditure of Rs 100.00 lacs during 1991-92.

### Minor Irrigation :

The responsibility for the development of minor irrigation is shared by the Department of Irrigation, Agriculture and Punjab State Tubewell Corporation.

### IRRIGATION DEPARTMENT

#### Construction of Low Dams in Kandi Area-Phase—II :

6.23 The Kandi area Development Administration of the Irrigation Department had taken up an ambitious Programme of Water Resources Development to harness the choes for attenuation of floods and provide flood protection by constructing low dams in the Kandi area of the State. These dams also provide irrigation facilities to the thirsty land of the Kandi area thereby developing agriculture and bringing prosperity to the people.

6.24 In the past two dams namely Maili and Janauri have already been completed in District Hoshiarpur and dedicated to the Nation. During 1991-92 two dams namely DAMSAL and PERCH would likely to be completed and construction of one dam namely Chohal will remain in progress.

6.25 This project is being executed under the Punjab Irrigation and Drainage Project Phase-II with World Bank Assistance which consists construction of 9 dams plus the completion of feasibility/preparatory design of another 4 dams in Kandi Area. The World Bank has agreed for a credit/loan of Rs. 60 crores under this scheme.

6.26 Approved allocation for this scheme during 1992-93 is Rs. 8.00 crores. During 1992-93 construction of Mirzapur & Salaran Dam will be undertaken where as the work of construction of Chohal Dam & Perch Dam will remain in progress.

The additional irrigation potential to be created during 1992-93 will hectare.

**Technical Assistance Research and Training :**

6.27 The Directorate of Planning and Design has prepared number of feasibility reports of the low dams in Kandi Area. Few of such Projects e.g. Maili Dam, Janauri Dam, Chohal Dam etc. have been constructed and others are being taken up. The Project would bring green revolution by development of most backward flood effected areas.

6.28 An amount of Rs. 75.00 lacs has been provided for 1992-93..

**Ground Water Investigation and Integrated Utilisation of Water Resources in the State of Punjab :**

6.29 Ground Water is playing a very crucial role in the State agriculture. About sixty percent of the Irrigation requirements at present are met with from ground water. To plan exploitation of ground Water as to identify and find solutions to problems emerging as a result of extensive exploitation of ground water, it is important that the location qualification monitoring water quality survey of ground and determination of performing water of various water bearing horizons aquies systems are carried out systemically in different tracts of the state. This is essential to ensure optimum utilisation of ground water resources conjunctively with surface water.

6.30 The major item of the works that have been proposed to be carried out are drilling of Exploratory bore holes, observation wells and carrying out pumping, installation of Shallow Piezometers at 5 Km. grid space and installation of Deep Piezometer tubes.

6.31 The following Studies are to be carried out under World Bank aid under this Scheme :—

1. Conjunctive use of Saline Water.
2. (i) Skimming of fresh Water over Saline Water.
- (ii) Ground Water quality distribution in South Western Districts of Punjab.
3. Drip Irrigation.
4. Relative performance of existing and improved practices in Canal Command Area.
5. Recharge Studies.
6. Modernisation of Laboratory for Hydrogeological Studies equipment in Water resources Directorate.
7. Augmentation of climatalog Network.
8. Establishment of a Purpose Build Ground level measuring work .

Allocation for this scheme during 1992-93 is Rs. 139.00 lacs. (This also include Rs. 41.00 lacs for World Bank studies).

**GROUND WATER RECHARGE PROGRAMME****(Water Resources Directorate Punjab)**

6.32 Due to improved pumping technology and heavy irrigation intensity the ground water is excessively used and as a result the reservoir is getting depleted and the water table has a declining trend in certain areas. To overcome such a situation and to replenish the ground water, artificial recharge schemes are required to be explored and implemented so that there can be an equilibrium in the ground water reservoir i.e. the exploitation may be equal to or less than the natural recharge.

6.33 The Ground Water Estimation by Water Resources Directorate during the year 1989 reveals that out of total of 118 Blocks in Punjab State, 69 No. blocks fall in Dark Category, where further development of ground water is not allowed as per norms fixed by the Govt. of India /NABARD. Most of the dark blocks fall in the districts of Sangrur, Patiala, Ludhiana, Kapurthala, Jullundur and Amritsar. It has also been observed that water table in almost whole of sweet water belt (white) is declining at an average rate of 0.2 mts. per year with reference to 1979 levels. A proposal to carry out recharge of underground water in the Dark blocks at Malerkotla, Jullundur, Kapurthala in the State of Punjab has been made. A sum of Rs. 10.00 lacs has been provided for the annual Plan 1992-93.

**AGRICULTURE DEPARTMENT****1. Centrally Sponsored Scheme for Strengthening of Ground Water Organisation (Sharing Basis).**

6.34 The main object of the scheme are as under :—

1. To initiate and to carry out basin/sub-basin-wise ground water balance estimation and development by carrying out micro-level studies.
2. Monitoring of ground water pollution due to industrial effluents, urban sewerage water and excessive application of fertilizers.
3. Installation of piezometers in declining water level area.
4. Evaluation of unconfined, semi confined and unconfined aquifers.
5. To carry out geophysical survey.
6. Use of isotope for hydrological studies.
7. To install standard tubewells with latest techniques to have maximum efficiency at lowest cost.

A sum of Rs. 40.00 lakh have been provided for 1992-93 as state share.

**2. Scheme for increasing the use of Sprinkler Irrigation for Small and Marginal Farmers (Sharing basis):**

6.35 The object of the Scheme is to provide subsidy for the modern techniques such as sprinkler irrigation. With the use of Sprinkler Irrigation there will be tremendous saving of water apart from better, quick and even 100% germination of seeds,

6.36 25% subsidy would be available to small farmers and 33½% to marginal farmers and 50% to scheduled castes farmers families. Apart from subsidy rest of the amount would be provided as loan assistance refinanced by NABARD and distributed by PADB and other commercial banks. The scheme is proposed to be implemented in the following water scarcity areas and sandy areas of the State. (1) Bathinda, (2) Faridkot, (3) Ferozepur, (4) Gurdaspur, (5) Hoshiarpur, (6) Ropar and some parts of Patiala district. A sum of Rs. 40.00 lakh has been provided for 1992-93. as State Share.

**PUNJAB STATE TUBEWELL CORPORATION**

**Tubewell and other schemes :**

**(i) Installation of deep tubewells :**

6.37 The work of Installation of the tubewells has been taken up in the backward and semi-hilly areas where there are no other means of Irrigation & individual farmers are not in a position to install their own tubewell because of excessive depth of ground water level involved and unfavourable geological formation of the strata encountered in drilling. Till to-day the PSTC has installed 463 No. Direct Irrigation Tubewells and 246 No. Augmentation tubewells which are in operation. The augmentation tubewells are installed along the Sirhind Canal for augmenting the supply of the Canal system. During September, 1983 the State Government Tubewells numbering 906 (757 No. Direct and 149 No. Augmentation Tubewells) were transferred to PSTC which are being operated by the Corporation at present. Thus at present there are 1220 No. Direct Irrigation Tubewells and 395 No. Augmentation Tubewells.

6.38 It is proposed to install 245 No. deep tubewells with the World Bank Assistance under Phase-II Project with an estimated cost of Rs. 27.50 crores & exalated cost of Rs. 33.00 crores with the installation of these tubewells an additional irrigation potential of about 21000 Hect. will be created. A sum of Rs. 870.00 lacs has been provided for 1992-93 for

the purposes given below :—

(Rs. in Lakhs)

Sr. No.	Name of Scheme	Approved outlay for annual Plan 1992-93
1	2	3
(i)	Installation of deep tubewells	802.00
(ii)	Taking over of GGWD tubewells	15.50
(iii)	Replacement and improvement of tubewells	20.00
(iv)	Purchase of machinery under Centrally Sponsored Scheme (50% sharing basis)	12.50
(v)	Repayment of Principal and interest	—
(vi)	Laying of addition underground pipe lines.	20.00
<b>Total</b>		<b>870.00</b>

**ii) Taking over of Central Ground Water Bore Tubewells (CGWB)**

6.39 There was a sort of under standing that the exploratory bores drilled by CGWB will be ultimately taken over by Punjab Government who will convert them into production wells. An outlay of Rs. 15.50 lakhs has been provided for this scheme during the 1992-93.

**iii) Replacement and Improvement of Tubewells**

6.40 Through constant operation over years and on account of ageing effect, some of the tubewells start yielding low discharge and start giving sand contents higher than the normal permissible limit. Working of such tubewells becomes un-economical and therefore these have to be abandoned and replacement provided so that areas already under Irrigation continues have to irrigation. A sum of Rs. 20.00 lakhs is provided in the Annual Plan for the year 1992-93.

iv) Purchase of Machinery under the centrally sponsored Schemes (Sharing Basis 50:50)

6.41 It is proposed to give drilling rigs with related equipment, electrical loggers, blasting units geophysical surveys equipment and Hydrogeological instruments etc. to the ground organisation of the state. An outlay of Rs. 12.50 lakhs is provided for 1992-93 on matching basis.

v) Repayment of Principal and interest

6.42 To meet the expenditure for repayment of Principal and interest as per NABARD's stipulation provision is required to be made in the Annual Plans.

vi) Laying of Additional underground pipe lines.

6.43 The Government has now approved the norms of providing underground pipe lines 2000 mtrs. per causes discharge on each tubewell. It is therefore proposed to prepare a scheme for laying out additional pipe under various earlier schemes where the provision was 4000 ft. of under ground pipelines. Accordingly a sum of Rs. 20.00 lakhs has been provided in the Annual Plan 1992-93.

Command Area Development

Lining of Water Courses :

6.44 The lining of water courses results in saving of about 25% of water which earlier was lost through seepage, cuts and breaches Punjab State Tubewell Corporation from 1974 to date has lined a length of 28,188 Kms. This lining has brought an additional area of 225500 Ha. under Irrigation.

6.45 The work of linnig of water courses is proposed to be executed under World Bank Aided Punjab Irrigation and Drainage Project. Under this project/ and length of about 4000 kms. of water courses with base cost of 54.32 crores (escalated cost Rs. 76.05 crores) is proposed to be lined, this will bring an additional area of 40,000 Ha under Irrigation.

6.46 In the Year 1992-93 with approved outlay of Rs. 12.00 crores, it is proposed to line, 320 Km length of water courses. This lining will create additional Irrigation potential of 3200 Ha.

Flood Control Drainage and Antiwater Logging :

6.47 There are three perennial rivers namely Ravi, Beas and Sutluj in the state and a non-perennial river Ghagger besides a large No. of choes emanating from shivalik hills. A net work of Drainage system has been provided to evaluate surface run off. The startegy proposed to be adpoted in the Annual Plan is as below :—

Structural Features :

—Construction of Flood Embankments along rivers choes etc. giving due preference to abadies ;

—Replanishing and strengthening of River training works.

—Construction of link drains to clear surface run-off and construction of sub-surface drains to improve the quality of land.

—Completion of bridge to remove blockades in Drainage lines.

Provision for 1992-93 is Rs. 115.00 (state level) and 785.00 lacs (District Plan) and with this provision area, to be protected will be 7,000 hecets.

Antiwater logging Scheme :

Surface drainage project for development of water-logged area in District of Faridkot, Ferozepur, Bhatinda and Sangrur.

6.48 During the past years the water logging problem appeared in south-western zone of Punjab. Most tracts in this zone have become water logged thus culturable land is being lost. Water logged area was estimated to be of the order of 2 lacs hect. in 1984, the situation is aggravating with time. It is estimated that if waterlogging not checked the water-logged area my increase to 6 lacs hect. in the next decade. A special project committee constituted on November, 1994 to prepare the scheme who submitted its recommendations in 1986 suggesting remedial measures with an estimated cost of Rs. 50.87 crores at 1986 price level.

It comprises :—

(1) Construction of new drains.	795 Kms.
(2) Reconditioning of existing drains.	1693 Kms.
(3) RV/DR bridges	671 Nos.
(4) Railway bridges	9 Nos.
(5) Water Courses crossings	2400 Nos.
(6) Drainage crossings	50 Nos.

6.49 The total expenditure from state allocation since 1984-85 up to year 1989-90 is Rs. 25 crores. The balance cost with ecalation (implementation period 1992—97) is Rs. 63 crores. An amount of Rs. 640 lacs is provided to be spent during 1992-93 and an area of about 10000 hect. will be protected/reclaimed. This project is being aided by World Bank and is already cleared by the Technical Advisory Committee of Central Water Commission MOWR and awaiting investment clearance.

(b) Sub-surface (Pipe) Drainage for development of waterlogged area in South-Western District of Punjab.

6.50 Out of 2 lacs hect. of water logged area there are some low-lying pockets where surface drainage is not effective. These pockets will require sub-



surface horizontal drainage. An area of 16400 hect. scattered over 163 pockets have been indentified. In 1st stage an area of 5000 hecets. covering 41 pockets will be included. The estimated cost of the scheme is Rs. 10.01 crores at 1988 price level and has been cleared by Technical Advisory Committee of Central Water Commission of MOWR in its meeting held on 11th January, 1989. The work has been taken up during 1990-91 under State Annual Plan. The provision of Rs. 100 lacs is provided for 1992-93 and an area of 150 hect. will be reclaimed. This scheme also form part of Punjab Irrigation and Drainage Project executed with World Bank assistance.

#### DISTRICT LEVEL SCHEMES :

##### Extension of non-perennial irrigation to area to UBDC Tract

6.51 The project envisage, extension of perennial irrigation to non-perennial areas and extension of channel for bringing new areas under command to utilise 1.93 MAF of Ravi Water thereby creating an additional irrigation potential of 233 thousand hectares in Amritsar and Gurdaspur districts. The work on the scheme is on advanced stage of completion and an expenditure of Rs. 852.00 lacs has already been incurred upto 31st March, 1990 creating an additional potential of about 232.94 thousand hectares. Amount Provided for annual plan 1992-93 is Rs. 100.00 lacs against the anticipated Expenditure of Rs. 100.00 lacs during 1991-92.

##### Lift Irrigation Schemes in Anandpur Sahib and Ropar Blocks :

6.52 Hilly areas in Ropar District are devoid of irrigation facilities, Flow irrigation of these area is not possible. The area is fertile and economic condition of the farmers is not good. In order to provide much needed irrigation facilities to this area which is socially and economically backward, three lift irrigation schemes have been sanctioned by the Government. The scheme was almost complete and a sum of Rs. 2.50 lakh has been provided to complete this scheme during 1992-93.

##### Construction of Distributories and Minors :

6.53 The following Schemes were taken during 7th Five-Year Plan 1985-90 under the Scheme "Construction of New Distributories and Minors and Bridges" but due to constraints of funds these schemes could not be completed. Separate provision has been proposed for schemes these during 1992-93. This is as detailed below :—

##### (i) Constructing New Lined Ablu Minor Off-taking RD 58212/L Jaitu Disty :

6.54 This Scheme envisages providing irrigation facilities to the areas falling in the villages Kotli, Ablu, Balluana, falling in District Faridkot for an area 2513 Hect. A sum of Rs. 49.00 lac has been provided during 1992-93. When completed it will generate potential of 370 Hect.

##### (ii) Constructing Bhangar Shakoor Reclamation channel Off-taking from RD 10500/L of Kasu Begu Distributory :

6.55 This Scheme is proposed for reclamation of Saline and Alkaline effected areas of 10 No. villages Shahzadi, Mishriwala, Shkoor and Bhangar, etc. of Ferozepur Distt. 6 No. Villages Kabul wala, Kalatola, Golewala etc. of Faridkot Distt. lying between Jit Dy. and Sappanwali Minor of Golewala Distributory. A sum of Rs. 36.00 lakh has been provided for 1992-93.

##### (iii) Constructing Mehma Minor RD 0-14525 Tail Off-taking at RD 83460/L Kasu Begu Disty :

6.56 A sum of Rs. 11.50 lacs has been provided to complete this scheme during 1992-93.

##### (iv) Constructing New Line Channel of Bazidpur, Minor from RD 0-22300 Off-Taking at RD 626400/R Abohar Branch :

6.57 The Scheme has been prepared to construct a lined channel with a capacity of 32.00 cs. to provide Canal Water to the tail outlets of existing Bazidpur Sub-Minor for an area of 9047 Acres C.C.A. An amount Rs. 10.00 lakh has been provided for 1992-93.

##### (v) Constructing Kahan Singh Wala Reclamation Channel From RD 0-58000 Off-taking at RD-110780-R Main Branch :

6.58 The scheme has been proposed to reclaim the saline area of 16 Nos. Villages of Ferozepur Distt. lying in a compact block of about 17 Kms. covering 9559 Acres C.C.A. between Saidoke Dy. and Nizamwah Dy. of Main branch. A sum of Rs. 13.00 lacs has been provided for 1992-93.

##### (vi) Constructing Nidhana Minor from RD-18000 Off-taking from 30 345/R Nizamwah Disty :

6.59 An amount of Rs. 6.00 lakh has been provided for 1992-93 for the completion of the scheme.

##### Flood Control and Drainage Scheme :

3.60 A sum of Rs. 785.00 lacs has been provided during 1992-93 for Flood Control and Drainage Schemes.

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**ANNEXURE**

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## STATEMENT SHOWING DATE OF START AND COMPLETION

Serial No.	Name of the Scheme	Estimated cost		
		Original	Revised	Likely cost (escalated)
	1	2	3	4
1	Dholbaha Dam	394.40 (1977)	2113.00	2113.00
2	Extension of non-perennial irrigation to areas in UBDC tract	186.00	924.07	1127.23
3	Extension and improvement of Shah Nehar Canal	1063.00 (1977)	9525.00 (3/89)	10800.00
4	Remodelling of Channels utilisation of surplus Ravi-Ber s waters	186.55	1508.01	1578.01
5	Lining of Channels Phase-II	36448.00	10000.00	10000.00
6	S.Y.L :			
	(i) Main Canal	17660.00	52900 (Punjab share 8817)	52900.00
	(ii) Providing Irrigation facilities to Punjab Area	5454.00	—	14229.00
7	Low Dams in Kandi Area Phase-II	—	4845.00	4845.00
8	Anti-Water logging, Surface Drainage Schemes for lowering water table in South-West district of Punjab	—	—	5200.00 (Balance escalated cost)
9	Sub-surface drainage project for lowering water table in South-West Districts of Punjab	—	—	1300.00

## STATUS AND DETAILS OF EXPENDITURE

lakhs

Status of Project	Date of start	Scheduled date of completion	Outlay for 7th Plan	Expenditure upto 1989-90	Actual expenditure, 1990-91	Anticipated Expenditure, 1991-92	Approved Outlay Annual Plan 1992-93
5	6	7	8	9	10	11	12
Stands cleared	1980-81	Completed only residual work left	600.00	1871.20	172.85	—	—
Clearance awaited	1967-68	8th Plan	250.00	848.96	40.05	100.00	100.00
Stands cleared	1974-75	8th Plan	2000.00	4679.18	719.48	1200.00	1200.00
Clearance awaited	1967-68	—	250.00	1432.12	79.01	100.00	100.00
Clearance awaited	1987-88	9th Plan	9036.96	—	327.10	1200.00	1200.00
Clearance awaited	1983-84	8th Plan	2900.00	6507.60	626.00	300.00	200.00
Clearance awaited	1983-84	8th Plan	4454.00	4162.58	186.00	250.00	150.00
Clearance awaited	1990-91	8th Plan	1000.00	—	366.72	650.00	800.00
Cleared by T.A.C. of Govt. O.I.	1983-84	8th Plan	—	2415.16	378.44	640.00	640.00
Clearance awaited	1990-91	8th Plan	—	—	—	100.00	100.00

ANNEXURE  
MAJOR, MEDIUM AND MINOR

Serial No.	Name of Scheme	District to be Benefited	Irrigation Potential	Achievement upto 1964-85		Target of 7th Plan, 1985-90	
				Pot.	Utl.	Pot.	Utl.
1	2	3	4	5	6	7	8
<b>I. Major and Medium Irrigation Projects</b>							
1	Dholbaha Dam	Hoshiarpur	2.60	—	—	2.60	2.60
2	Extension of Non-Perennial Irrigation to areas in UBDC Tract	Amritsar, Gurdaspur	233.00	230.00	228.00	5.00	6.00
3	Remodelling of Channels Utilisation of Surplus Ravi Beas Waters	Bhatinda, Ferozepur, Faridkot, Sangrur	418.00	253.16	251.16	48.00	48.00
4	Extension and Improvement of Shah Nehar Canal (Kandi Canal)	Hoshiarpur, Jalandhar	25.36	12.20	1.00	8.50	8.50
5	Lining of Channels, Phase-I	All Districts	88.89	58.78	58.78	28.00	28.00
6	Lining of Channels, Phase-II	All Districts	53.50	—	—	—	—
7	Construction of New Distributaries/Minors and Bridges	All Districts	24.00	7.35	5.35	6.50	6.50
8	Providing Irrigation facilities to Punjab area through S.Y.L.	Ropar and Patjāla	130.00	—	—	85.00	85.00
9	Providing Irrigation facilities to Erstwhile Malerkotla State	Sangrur	15.00	—	—	8.00	8.00
10	Modernisation of existing Canals (Gates and Gearing)	All Districts	25.50	—	—	—	—
Total :			1015.85	561.49	544.29	191.60	192.60
<b>II. Minor Irrigation Projects</b>							
1	Low Dams in Kandi Area, Phase-I	Hoshiarpur	6.50	—	—	4.00	4.00
2	Low Dams in Kandi Area, Phase-II	Ropar and Hoshiarpur	10.00	—	—	1.80	1.80
3	Lining of Water courses, Phase-I	Bhatinda, Ferozepur, Faridkot, Sangrur	116.00	132.48	132.48	34.40	34.40
4	Lining of Water courses, Post-Phase-I	Do	100.00	—	—	—	—
5	Lining of Water Courses Phase-II	Do	—	—	—	—	—
6	Installation of Tubewells	Bhatinda, Hoshiarpur	10.00	57.35	57.35	9.75	9.75
7	Lift Irrigation Schemes	Ropar	1.33	—	—	—	—
Total :			243.83	189.83	189.83	49.95	49.95

II

## IRRIGATION PROJECT AND ACHIEVEMENT

(Potential in Th. Hects.)

Achievement, 1985-86 to 1988-89		Achievement 1989-90		Achievement 1990-91		Anti.Ach. for 1991-92		TARGETS	
Pot.	Utl.	Pot.	Utl.	Pot.	Utl.	Pot.	Utl.	Annual Plan, 1992-93	
9	10	11	12	13	14	15	16	Pot	Utl.
17	18								
2.15	0.49	0.45	0.83	—	1.059	—	—	—	—
2.90	2.90	0.04	0.04	—	—	0.04	0.04	0.01	0.01
38.68	28.47	9.257	9.257	—	—	17.00	17.00	12.00	12.00
2.76	—	0.25	—	—	—	1.50	1.50	1.50	1.50
23.50	16.86	1.50	1.50	—	—	1.50	1.50	1.50	1.50
—	—	—	—	0.23	0.23	8.50	8.50	4.00	4.00
6.86	8.26	0.65	0.65	0.94	0.43	—	—	6.65	6.65
—	—	2.50	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	0.16	0.16	0.30	0.30
76.85	56.98	14.647	12.277	1.17	1.719	28.70	28.70	25.96	25.96
1.876	0.817	0.25	0.066	—	—	—	—	—	—
—	—	—	—	—	0.788	0.80	0.80	1.50	1.50
51.813	51.813	2.567	2.567	—	—	—	—	—	—
—	—	—	—	—	—	7.00	7.00	3.20	3.20
8.775	6.87	0.075	0.075	0.245	0.245	2.95	2.95	3.00	3.00
—	—	—	—	—	—	0.57	0.57	—	—
62.464	59.50	2.892	2.708	0.245	1.033	11.32	11.32	7.70	7.70

## ANNEXURE-IV

Statement showing schemewise breakup of outlay under different Projects/Scheme during 1992-93 (State Level Scheme and district level)

(Rs. in lakhs)

Serial No.	Name of the Scheme	Works	Machinery equipment	Suspense	Gross work	Revenue and Receipts	Others	Net work	Estt.	Total
1	2	3	4	5	6	7	8	9	10	11
<b>Major and Medium Irrigation Schemes</b>										
<b>Major irrigation</b>										
1	Extension and improvement of Shah Nehar Canal	1000.00	6.56	350.00	1356.56	350.00	—	1006.56	193.44	1200.00
2	Lining of Channels, Phase-I	348.49	—	—	348.49	—	—	348.49	151.51	500.00
3	Lining of Channels, Phase-II	870.45	4.75	350.00	1234.20	350.00	—	884.20	315.80	1200.00
4	Satluj Yamuna Link Canal—									
	(i) Main Canal	200.00	—	—	200.00	—	—	200.00	—	200.00
	(ii) Providing Irrigation facilities to Punjab Areas	—	—	—	—	—	—	—	150.00	150.00
5	Remodelling of Channels— Utilisation of Surplus Ravi Beas Waters	100.00	—	—	100.00	—	—	100.00	—	100.00
*6	Extension of non-Perennial Irrigation to Area U.B.D. C. Tract	94.65	—	—	94.65	—	—	94.65	5.35	100.00
7	Raising Lining of Bhakra Mian Line Canal for providing free Board	1.00	—	99.00	100.00	99.00	—	1.00	—	1.00
8	Constg. N/L Combined Channel of Bikaner Canal and Branch of Eastern Canal	1.00	—	—	1.00	—	—	1.00	—	1.00
<b>Medium Irrigation (Commercial)</b>										
9	Irrigation to Himachal area below Talwara	1.00	—	—	1.00	—	—	1.00	—	1.00
10	Dholbaha Dam	—	—	—	—	—	—	—	—	—
11	Providing Gates and Gearing modernise the existing canals	140.00	—	—	140.00	—	—	140.00	—	140.00
12	Communication system on canal	50.00	—	—	50.00	—	—	50.00	—	50.00
13	Computer aided design and training	50.00	—	—	50.00	—	—	50.00	—	50.00
14	Setting up of Punjab Irrigation Management Training Instt.	100.00	—	—	100.00	—	—	100.00	—	100.00
15	Constg. super passage at RD 203760 Jalandhar Br. & RD 79700 Bist Doab Canal (Nasrala Choe)	100.00	—	—	100.00	—	—	100.00	—	100.00
16	Research Schemes	55.00	—	—	55.00	—	—	55.00	—	55.00
17	Investigation of Schemes	26.00	—	—	26.00	—	—	26.00	84.00	110.00
*18	Constg. Kahan Singh Wala Reclamation Channel	13.00	—	—	13.00	—	—	13.00	—	13.00
<b>Minor Irrigation</b>										
*19	Lift Irrigation in Anandpur Sahib and Ropar Bloc	2.50	—	—	2.50	—	—	2.50	—	2.50
20	Low Dams in Kandj Area, Phase-II	588.78	—	—	588.78	—	—	588.78	211.22	800.00
21	Technical Assistant, Research and Trg.	15.37	1.00	—	16.37	—	—	16.37	58.63	75.00

\*Distt. Level Scheme.

Sr. No.	Name of the Scheme	Works	Machinery equipment	Suspense	Gross work	Revenue and Receipts	Others	Net work	Entt.	Total
1	2	3	4	5	6	7	8	9	10	11
22	Integration Utilisation of Water Resources	50.09	10.00	4.50	64.59	4.50	—	60.09	78.91	139.00
23	Recharge of underground water	10.00	—	—	10.00	—	—	10.00	—	10.00
24	Constg. of N/L Ablu Minor*	49.00	—	—	49.00	—	—	49.00	—	49.00
25	Constg. Bhangar Shakoor Reclamation Channel*	36.00	—	—	36.00	—	—	36.00	—	36.00
26	Constg. Mehma Minor*	11.50	—	—	11.50	—	—	11.50	—	11.50
27	Constg N/L Channel of Bazidpur Minor*	10.00	—	—	10.00	—	—	10.00	—	10.00
28	Constg. Nidhana Minor*	6.00	—	—	6.00	—	—	6.00	—	6.00
29	Ground Water Cell—Strengthening of Ground Water and Surface Water Organisation	40.00	—	—	40.00	—	—	40.00	—	40.00
30	Encouraging the use of Sprinkler Irrigation System for small and marginal farmers	40.00	—	—	40.00	—	—	40.00	—	40.00
31	Tubewells and other Schemes Command Area Development	870.00	—	—	870.00	—	—	870.00	—	870.00
32	Lining of Water Courses, Phase-II Anti Water Logging, Drainage and Flood Control (Commercial)	1200.00	—	—	1200.00	—	—	1200.00	—	1200.00
33	Flood Control and Drainage (State level)	—	—	—	—	—	—	—	—	115.00
34	Flood control and Drainage* (District level)	—	—	—	—	—	—	—	—	785.00
35	Anti-Water logging Surface Drainage Schemes for lowering water table of South West Districts	555.27	—	—	555.27	—	—	555.27	84.73	640.00
36	Anti-Waterlogging Sub-Drainage Schemes for lowering water table of South West Districts	100.00	—	—	100.00	—	—	100.00	—	100.00

\*District Level Schemes.



## ANNUAL PLAN 1992-93

## ANNEXURE III

## Sub-head : Irrigation and Flood Control

## State Level Schemes

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme	1990-91 Expenditure	Approved Outlay 1991-92	Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93	
				Approved Outlay	Of which capital content
1	2	3	4	5	6
<b>Irrigation and Flood Control :</b>					
<b>COMPLETED SCHEMES AS ON 31ST MARCH, 1990 (SPILL OVERY LIABILITY)</b>					
Major Irrigation Scheme (Commercial) —					
IR 1·2 Lining of Channels Phase-I	.. 376·77	500·00	500·00	500·00	500·00
<b>(B) Medium Irrigation Schemes (Commercial)—</b>					
IR 1·17 Dholbaha Dam	.. 172·85	—	..	..	..
IR (1·28) Constructing Kahan Singh Wala Reclamation Channel 058000 off taking RD-110780/R Main Branch (part of Scheme Construction of New Disty. Mr. & Bridges)	.. ..	—	..	Shifted to Districts	
<b>(3) Balance work of Lining started under IAP</b>					
IR 1·8 Construction of Disty and Minor	.. 51·62	—	—	..	..
IR 1·10 Providing Irrigation facilities to erstwhile Malerkotla State	.. —	—	..	..	..
IR 1·11 Beas Project	.. —	—	—	—	—
IR 1·12 Diversion weir of Shah Nehar Canal	.. —	—	—	—	—
IR 1·14 Special Repair to Bhakra Main line canal caused by breaches	.. —	—	—	—	—
IR 1·23 Running of Basant Pur canal	.. —	—	—	—	—
IR 1·24 Construction of aqueduct and VR Bridges on Dhudal Distributory	.. —	—	—	—	—
<b>Water Development Scheme—</b>					
WD. 1·27 Grant in aid to P.A.U. Ludhiana for research in water resources	.. —	—	—	—	—
<b>Minor Irrigation Schemes :</b>					
Surface Water					
MI (I) 2·2 Low Dams in Kandi Area Phase-I	.. —	—	—	—	—
MI (I) 2·4 Pilot Demonstration	.. 14·76	—	—	—	—
Command area Development					
MI (C) 3·1 Lining of water courses Phase-I	.. —	—	—	—	—
MI (I) 2·9 Construction Nidhana Mr. R.D.-0-18000 off taking from 30 345/R Nizamwah Disty.	.. —	—	—	Shifted to Districts	
FC 4·5 Dholbaha Dam Drainage Portion	.. —	—	—	—	—
<b>B-2. CRITICAL ONGOING SCHEMES (INCLUDING SANCTIONED SCHEMES AS ON 1ST APRIL, 1990</b>					
<b>Major and Medium Irrigation schemes—</b>					
Major Irrigation Commercial—					
IR I·1 Extension and Improvement of Shah Nehar Canal System including Kandi Canal	.. 719·48	1200·00	1200·00	1200·00	1200·00

## ANNUAL PLAN 1992-93

## ANNEXURE III

## Sub-head : Irrigation and Flood Control

## State Level Schemes

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme	1990-91 Expen- diture	Appro- ved Outlay 1991-92	Annual Plan 1991-92 Antici- pated Ex- penditure	Annual Plan 1992-93	
				Approved Outlay	Of which capital content
1	2	3	4	5	6
<b>IR 1.4 S.Y.L.—</b>					
(i) Main Canal ..	626.00	300.00	300.00	200.00	200.00
(ii) Providing Irrigation facilities to Punjab Area ..	186.00	250.00	200.00	150.00	150.00
<b>IR 1.3 Lining of Channels Phase-II</b> ..	327.10	1200.00	1200.00	1200.00	1200.00
<b>IR 1.5 Extension of Non-Perennial Irrigation to areas in UBDC Tract</b> ..	40.05	—	—	Shifted to District level	
<b>IR 1.6 Remodelling of Channels utilisation of surplus Ravi Beas Water</b> ..	79.01	100.00	100.00	100.00	100.00
<b>IR 1.7 Raising Lining of Bhakra Main Line Canal for providing free Board</b> ..	—	1.00	1.00	1.00	1.00
<b>IR 1.15 Construction of N/L combined Channel of Bikaner canal and Branch of eastern Canal</b> ..	—	1.00	1.00	1.00	1.00
<b>1.29 Constg. super passage at RD-203760 and RD-79700 Bist Doab Canal</b> ..	35.03	65.00	65.00	100.00	100.00
<b>Medium Irrigation Schemes :</b>					
<b>IR 1.18 Rehabilitation and Improvement of Canals regulation structures in the Canal System of Punjab (Providing gates and Gearing)</b> ..	91.68	86.00	111.00	140.00	140.00
<b>IR 1.19 Communication System on Canals (Modernisation of existing canal)</b> ..	—	25.00	—	50.00	50.00
<b>IR 1.20 Computer aided design Training</b> ..	—	50.00	50.00	50.00	50.00
<b>IR 1.21 Setting up of Punjab Irrigation Management Training Institute (PMTI)</b> ..	—	25.00	25.00	100.00	100.00
<b>IR 1.16 Irrigation to Himachal Area below Talwara</b> ..	1.52	5.00	5.00	1.00	1.00
<b>General Water Development Schemes :</b>					
<b>WD 1.25 Research Schemes</b> ..	31.46	50.00	50.00	55.00	—
<b>WD 1.26 Investigation of Schemes</b> ..	79.40	100.00	97.00	110.00	—
<b>Minor Irrigation Schemes :</b>					
<b>01 Surface Water—</b>					
<b>MI(I)2.3 Low Dams in Kandi area Phase-II (13 No. Dam)</b> ..	366.72	650.00	650.00	800.00	800.00
<b>MI(I)2.1 Lift Irrigation scheme in Anandpur Sahib and Ropar Blocks</b> ..	30.00	—	—	Shifted to districts	
<b>MI(I)2.14 Const. N/L Aklia Minor Off taking RD-42490-L Raunta Disty...</b> ..	—	—	—	—	Do
<b>MI(I)2.10 Const. N/L Ablu Mr. off taking RD-58212/L Jaitu Disty.</b> ..	—	—	—	—	Do
<b>MI(I)2.16 Constg. N/L Aklia Link minor off taking RD-8500/Mehma Mara Mr. of Kot Bhai Disty.</b> ..	—	—	—	—	Do
<b>MI(I)2.11 Constg. Bhangar Shekor Reclamation Channel 0-43570 off taking RD 10500/L Kasubegu Disty.</b> ..	—	—	—	—	Do
<b>MI(I)2.12 Constg. Mehma Mr. from 0-14525 off taking RD 83460/L Kasubegu Disty.</b> ..	—	—	—	—	Do
<b>MI(I)2.13 Constg. New Linked Channel of Bazidpur Minor of taking from RD 626400 Abohar Minor</b> ..	—	—	—	Schemes shifted to District	

## ANNUAL PLAN 1992-93

## ANNEXURE III

## Sub-head : Irrigation and Flood Control

## State Level Schemes

(Rs. in lakhs)

Name of the Scheme/Major Head/Minor Head of Development		1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93	
			Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which capital content
1		2	3	4	5	6
MI(I)2.5	Technical Assistance Research and Training ..	50.87	60.00	60.00	75.00	—
MI(I) 2.6	Integrated Utilisation of Water Resources ..	85.10	128.00	123.70	139.00	—
	02 Ground Water :					
	Agriculture Department—					
MI(I) 2.7	Strengthening of Ground Water and Surface Water Organisation ..	9.82	30.00	30.00	40.00	—
	2. Encouraging the use of Sprinkler irrigation system for small and marginal farm ..	—	40.00	40.00	40.00	—
MI(C) 2.8	Punjab State Tubewell Corporation— T/well and Other Schemes ..	1160.38	870.00	870.00	870.00	870.00
	Command Area Development Schemes—					
MI(C) 3.3	Lining of Water Courses Phase-II ..	578.40	1100.00	1700.00	1200.00	1200.00
	<b>1. Anti Water Logging, Flood Control and Drainage Schemes :</b>					
FC 4.1	Flood Control and Drainage ..	1108.96	175.00	175.00	115.00	115.00
FC 4.2	Anti-waterlogging surface Drg. Schemes for lowering water table of South-West District	378.44	640.00	670.00	640.00	640.00
FC 4.6	Surface Drg. Schemes for lowering water Table of South-West Districts		100.00		100.00	100.00
	New Schemes :					
MI (E) 2.18	(a) Minor Irrigation (Irrigation Department)— (i) Scheme for studies of artificial charge to ground water	—	12.00	..	10.00	..
	<b>Total</b> ..	<b>6624.65</b>	<b>7763.00</b>	<b>8223.70</b>	<b>7987.00</b>	<b>7518.00</b>

## ANNUAL PLAN 1992-93

## ANNEXURE III

## Sub-head : Irrigation and Flood Control

## District Level Schemes

(Rs. in lakhs)

Name of the Scheme/Major Head/Minor Head of Development	1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan 1992-93		
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	
1	2	3	4	5	6	
<b>District Level Schemes</b>						
<b>Infrastructure</b>						
<b>Minor Irrigation</b>						
MI(I) 2.1	Lift Irrigation Scheme in Anandpur Sahib & Ropar Block	—	47.00	47.00	2.50	2.50
MI(I) 2.9	Const. Nidhana Minor RD-10-18000 off taking from 38345/R, Distributory	—	6.00	6.00	6.00	6.00
MI(I) 2.10	Const. of N/L Ablu Minor off taking RD 58212/L Jaitu Distributory	—	52.68	52.68	49.00	49.00
MI(I) 2.11	Const. Bhangar Shakoor Reclamation Channel 10-43570 of taking RD-10500/L Kasu Begu Distributory	—	36.00	18.00	36.00	36.00
MI(I) 2.12	Const. Mehra Minor from 0-14505 off taking RD-83460/L Kasu Begu Distributory	—	—	—	11.50	11.50
MI(I) 2.13	Const. N/L Channel of Bazidpur minor off taking RD-626400/R Abohar Branch	—	—	—	10.00	10.00
MI(I) 2.14	Const. N/L Alkia Minor off taking RD- 42490/L Raunta Disty	—	2.00	2.00	—	—
MI(I) 2.15	Const. N/L Alkia Link Sub-Minor off taking RD-85000/R Mehra Mara Minor of Kot Bhai Dist v.	—	1.00	1.00	—	—
MI(I) 2.16	3-R Minor New Mudki Disty. RD 0-27000 off taking RD-127428	—	—	30.00	—	—
<b>Flood Control Schemes</b>						
FC(D) 4.1	Flood Control & Drainage Schemes	—	525.00	1355.59	785.00	785.00
<b>Irrigation / Flood Control</b>						
<b>Area Specific Schemes</b>						
IR1.5	Extension of non-perennial Irrigation to area in U.B.D.C. Tract	—	100.00	100.00	100.00	100.00
IR1.28	Constructing of Kahan Singh Wala reclamation channel 0-58000 off taking RD-11070/R main branch	—	13.00	13.00	13.00	13.00
	Total	—	782.68	1625.27	1013.00	1013.00
	Grand Total (State Level Schemes and District Level Schemes)	6624.65	8545.63	9348.97	9009.00	8531.00



## CHAPTER VII

### POWER

7.1 The demand of Power in the State is steadily increasing on account of rapidly increasing use of electrical energy for agricultural operations, progressive industrialisation and for intensive Rural Electrification Programme and use of more and more electrical gadgets in the domestic as well as commercial sectors in Punjab. In view of the persistent increase in demand of power, out-stripping the supply and it being a key input for productive sectors, this sector has to be accorded top priority in the matter of plan allocation. As per changed situation the Department is also making efforts to associate private entrepreneurs in the new power projects. The outlay for the power sector as percentage of the total plan outlays since the 5th Five Year plan are given in the table below :—

Sr. No	Period	State's total Plan Outlay	(Rs. in crore)	
			Power Outlay	Percentage of col. 4 to 3
1	2	3	4	5
1	Fifth Plan (1974—79)	1027.00	403.07	39.25
2	1979-80	260.00	94.71	36.43
3	Sixth Plan (1980—85)	1957.00	732.94	37.45
4	Seventh Plan (1985—90)	3285.00	1638.00	49.86
5	Annual Plan 1990-91	905.00	350.00	38.69
6	Annual Plan 1991-92	1010.00	350.00	34.65
7	Annual Plan 1992-93	1150.00	398.68	34.67

7.2 Keeping in view the target large scale industrial development and changing trend in the energy consumption in the agricultural sector, forecast of energy demand projected up to the year 1992—97 as envisaged by the 14th Power Survey Committee is as follows.

Forecast of requirement of Power on capacity and energy basis up to 1994-95.

Year	Requirement on Energy basis (MUs)	Requirement on Capacity Basis (MW)	Installed Capacity required to meet the additional demand (MW)
1	2	3	4
1989-90	14321	2774	..
1990-91	15208	2918	220
1991-92	16345	3163	377
1992-93	18807	3555	371
1993-94	20048	3789	400
1994-95	21243	4015	434
1995-96	22509	4242	..
1996-97	23581	4482	..

At present, State's demand for electricity is being met from :—

(i) PSEB's own Projects—Shanan Power Houses, UBDC Power Houses, ASHP, Mukerian Hydel Project, GNDTP, Ropar Thermal Power Plants and Micro Hydel Schemes.

(ii) From Common Pool Projects of Bhakhra Nangal Complex, Dehar Power Plant and Pong Power Plant under BBMB.

(iii) Share from Central Sector Power Projects and purchase of power from other State's i.e. Himachal Pradesh.

7.3 Out of the on going power projects, Rice Straw Thermal Power Plant (10 MW) and RTP Stage II (10 MW) are likely to be commissioned during the current year 1992-93.

The addition of installed capacity during the year 1990-91 and 1991-92 is tabulated below :—

Sr. No.	Name of Project	Installed capacity as on 31-3-91	Addition of installed capacity during 1991-92	Addition of installed capacity during 1992-93
1	Shanan Power House	110	—	—
2	UBDC Power Houses	61	31	—
3	Anandpur Sahib HEP	134	—	—
4	Mukerian HEP	207	—	—
5	Micro Hydel Schemes	4	—	—
6	GNDTP, Bathinda	440	—	—
7	Ropar Thermal Plant III	840	—	210
8	Rice Straw TPP	—	210	10
9	Share from Bhakra Nangal Complex	689	—	—
10	Share from Dehar PHs	475	—	—
11	Share from Pong PHs	90	—	—
<b>Total</b>		<b>3050</b>	<b>241</b>	<b>220</b>

7.4 It would be seen that requirement of power on a capacity basis during first 2 years of the 1992-93 and 1993-94 will be of the order of 389 MW, which require an additional capacity of about 600 MW (Peak load factor 0.65) against which 220 MW of installed capacity is being added. The year wise requirement of power on energy and capacity basis and availability from 1991-92 to 1996-97 is tabulated below by presuming the commissioning of following Power Houses during 8th Plan period and receipt of full share from the existing Central Sector Projects and the new projects to be commissioned as per present commissioning scheduled during Eighth Plan Period :—

- (1) UBDC-II 46.35 MW : 1992-93  
 (2) Rice Straw TPP (10 MW) : 1992-93  
 (3) RTP-III (420 MW) : 4/92 & 3/93

(4) GNDTP-III (420 MW) : 3/96 & 9/96

(5) Micro Hydel Scheme : 8th Plan

(A) Power Supply position on Energy Basis (MUs)

Year	Requirement	Availability	Surplus(+) Deficit(—)	Percentage
1991-92	17383	14997	(—) 2386	14%
1992-93	18707	15652	(—) 3055	17%
1993-94	20048	17027	(—) 3021	15%
1994-95	21243	17676	(—) 3567	17%
1995-96	22509	18235	(—) 4184	18%
1996-97	23851	19790	(—) 4061	17%

(B) Power Supply position on capacity basis (MW Peak)

Year	Requirement	Availability	Deficit	Percentage
1991-92	3286	2373	913	28%
1992-93	3555	2497	1058	30%
1993-94	3789	2692	1097	29%
1994-95	4015	2790	1225	31%
1995-96	4242	2887	1355	32%
1996-97	4482	3296	1186	26%

7.5 From the above, it is evident that the state would continue to face the power deficit and the deficit is going on higher side from year to year. As such provision of adequate funds for commissioning atleast these projects during Annual plan is essential.

The brief of the various Power Projects, Transmission & Distribution System, Rural Electrification, and Power Development Programme during Annual Plan 1992-93 is given here as under :—

**I Commissioning Projects upto 31-3-92**

**(i) UBDC Stage-II (46.35 MW)**

7.6 Under this project 3 No. Power Houses with installed capacity of 15.45 MW each are to be established. Power House No. 1 (15.45 MW) stand already commissioned during the year 1989-90. Power House No. II & III are scheduled for commissioning during the year 1991-92 and an amount

An amount of Rs. 4 crores is being provided for 1992-93.

**(ii) Rice Straw Thermal Power Plant at Village Jalkheri (10 MW)**

7.7 This project is being established in village Jalkheri in Patiala District and is expected to be commissioned during the current year 1992-93. During the 1991-92 an amount of Rs. 5 crores has been provided under State Plan. The work is being carried out by M/s BHEL.

During the year 1992-93 an amount of Rs. 4.00 crores is being provided—

**Ongoing Power Projects**

**7.8 Ropar Thermal Plant Stage-III (2X210 MW)**

Stage-I (Units No. 142) of the project was completed in 1984-85 and stage-II (Units 3 & 4) also completed during 1988-89. All the four units of 210 MW each are serving the State of Punjab by Generation of Power.

Under Stage-III two more units of 210 MW each are being established in proximity to the existing four units. The estimated cost of the project is Rs. 550 Crores. against which an amount of Rs. 450 crores would be spent by the end of March, 1992. The work on both the units are in full swing for its commissioning during 1992-93 i.e. Unit No. V in March 1992 and Unit No. VI in March, 1993. An outlay of Rs. 60 Crores has been provided for 1992-93.

**7.9 Ranjit Sagar Dam (600 MW)**

This is a multipurpose Project which envisages construction of a dam on river Ravi, 24 Kms upstream of Madhopur Head Works. The initial sanctioned cost of the project was Rs. 242.00 crores (April, 1982) subsequently revised to Rs. 760.00 Crores which has been approved by Planning Commission in May, 1986. The latest estimated cost of the project is Rs. 1687.05 crores. The project has an installed capacity of 600 MW, comprising of 4 Units of 150 MW capacity each. The availability to Punjab would be 452 MW and the balance 148 MW will be made available to HP & J & K. The total expenditure incurred on this project up to March 1991 is Rs. 703.07 crores. An outlay of Rs. 170.00 crores stands provided for 1991-92. Rs. 150.00 crores is being provided for 1992-93.

**7.10 S.Y.L. Hydro Electric Projects (50 MW)**

The Sutlej Yamuna Link Canal is being constructed for carrying out water to Haryana. The canal takes off downstream of Anandpur Sahib Hydel Project Power House No. II and will leave Punjab Territory near Rajpura. The drop available between the off take and Rajpura is being harnessed for power generation by construction of two power houses, one near Ropar (2x18 M.W.) and the second near Rajpura (2x7 M.W.) The project has been cleared by CEA from techno-economic

angle but is awaiting sanction by the Planning Commission. The work on both the power houses was taken in hand by PSEB during 1988-89 and the work was going on in full swing for commissioning of the power houses in 1992-93. But the law and order situation during recent past has forced the PSEB to defer the construction of Rajpura Power house for the time-being. As a result of which both the power houses are now scheduled for commissioning during the year 1996-97. Energy benefits from this project will be of the order of 300 MUS per annum. Rs. 8.00 crore is being provided for 1992-93.

**7.11 Shahpur Kandi (HEP) (248 MW)**

The project earlier envisaged installation of one Power House with 94 MW capacity and a barrage down stream of Ranjit Sagar Dam but up-stream of Madhopur Head Works. Recently, on the basis of Water Power Studies, feasibility report for this project with an enhanced installed capacity of 248 MW has been prepared of which the state share shall be 198 M. W. However, the Final Project Report is to be submitted to the Central Electricity Authority for approval. It is proposed to step up work on this Project considerably so as to synchronise its completion with Ranjit Sagar Dam Project by the March, 1997, in order to meet with the anticipated power shortage in the state by that period. The State Government is already under great financial strain to meet with the funds required for the on going Ranjit Sagar Dam project. Therefore, this project has been made a part of the earlier Economic Package announced by the Prime Minister. Rs. 5.00 crores for 1992-93 is being provided.

**III. NEW PROJECTS:**

7.12 PSEB has identified the following new Power Projects to be executed during Eighth Plan and for commissioning during Eighth Five Year Plan and Ninth Five-Year Plan :

- (i) GNDTP Stage-III (2x210 MW)
- (ii) UBDC Stage-III (30 MW)
- (iii) Thermal Power Plant at Goindwal Sahib (2x210 MW)
- (iv) Mukerian Stage III HEP.

**7.13 (i) GNDTP Stage-III (2x210 MW)**

The project envisages the setting up of a new Thermal Power Station in village Lehra Mohabat near Rampura Phool District Bathinda with 2 Units of 210 MW each. The project report with estimated cost of Rs. 690.34 Crores (including interest during construction) stand cleared by the CEA during January, 1990. The coal linkage for both the units of GNDTP Bathinda were approved by the S.L.C. But during the year 1989-90 the linkage of one unit was temporarily diverted to Thermal Power Plant Panipat.



The work on this project could have been taken by PSEB in hand during the year 1989-90 itself but because of financial resources constraint and non-allocation of funds under State Plan the work cannot be taken even till 1991-92. Needless to emphasis the commissioning of both the units of Thermal Power Plant under Stage-III, the work on this plant will have to be taken in hand during the year 1992-93. An outlay of Rs. 15.12 crore is being provided during 1992-93.

#### **IV. Renovation & Modernisation Programme**

**7.14** The PSEB has drawn schemes for renovation and modernisation of the existing Thermal Power Plants at Bathinda, Ropar and Power projects Bhakra PHs and Dehar at Ganguwal PHs.

##### **7.15 (i) R & M of Ropar Thermal Plant Phase-I**

For renovation and modernisation of the existing 2 Units commissioned under stage I and to remove the design deficiencies and for achieving the saving in fuel etc. and also to improve the Plant Load Factor the scheme for renovation and modernisation of Phase-I, costing Rs. 6.20 Crores has been prepared, in consultation with Central Electricity Authority, BHEL and other major suppliers. For carrying out this scheme from Rs. 1.00 crore has been provided during the year 1992-93.

##### **7.16 (ii) R & M of GNDTP Bathinda Phase-II**

The phase-I of R & M of GNDTP, Bathinda has almost been completed by incurring an expenditure of about Rs. 44 crores. For Renovation/Replacement of the various components for avoiding derating of the plant a scheme of Renovation & Modernisation has been prepared. The estimated cost of the scheme to be executed during 8th five year plan is Rs. 7.50 crores. During the year 1992-93 an amount of Rs. 1.00 crore is being provided for R & M of GNDTP works under Phase-II.

##### **7.17 (iii) R & M of Bhakra PHS**

The Punjab share in Bhakra Nangal Complex Power Houses is 689. MW. All the 5 Nos. Machines each with rated capacity of 132 MW ( $5 \times 132 = 660$  MW) have been scheduled to be upgrade to 157 M.W. ( $157 \times 5 = 785$  M.W.) during the 8th plan period. Rs. 11.00 crores being provided during 1992-93.

Similarly the machines of left Bank Power Houses, Ganguwal and Kotla Power Houses are being programmed to be uprated 8th/9th Plan.

#### **(v) Transmission and Distribution Schemes**

##### **7.18 (i) Transmission System Schemes**

The PSEB is executing the transmission works for evacuation of power from the generating stations and to receive power from the Central Sector Power Projects, dispersal of power in the state, Normal Development works and Revamping of the existing transmission works. The evacuation works are mostly of 220 KV voltage class from the generating stations. At present PSEB is executing the evacuation works under RTP II, RTP-III, UBDC-II Ranjit Sagar Dam and Shahpur Kandi Hydro Projects.

The PSEB has planned for execution of the on going 220 KV, 132 KV, 66 KV, and 33 KV transmission works and to undertake the new transmission works of all voltage class is 33 KV to 220 KV required for dispersal of power, Normal Developments and for

revamping of the existing transmission system including augmentation of the existing transformation capacity at the grid sub-station during 8th plan.

##### **7.19 (ii) Capacitor Banks**

PSEB has planned for installation of more capacitor banks at the grid Sub-Stations during the year 1991-92 for improving the quality of power supply at consumers end in the state. PSEB has already installed capacitors of 1658 MVAR capacity and 760 MVAR capacity likely to be installed by March, 92. In addition, H.T. shut capacitors of an other 1800 MVAR capacity is proposed during 8th Plan.

##### **7.20 (iii) Load Despatch Centres**

The necessity of running the power system on an integrated basis has already been recognised. The state of Punjab is covered under Northern Region. The T & D System in the State operates in parallel with the integrated power system of the Northern Region/Grid. NERB have already set up computerised load despatch centre at Dehli for controlling and monitoring the operation of the State Grid. The State load despatch stations is proposed to be located at Patiala. As per present proposal, PSEB LDC has been proposed to be set up under a unified scheme of NERB. The unified scheme of NERB covers the setting up of load Despatch Centres of all the constituents of NERB.

##### **7.21 Distribution System**

The distribution system in the urban areas have been marginally expanded gradually to meet the increasing demand of electricity. Such marginal expansions have reached their limits and are getting overloaded in most urban centres. With the progressive increase in paddy crop cultivation in the State, the distribution system in the rural areas have been getting overloaded over a period of time. Overloading of the system has been in turn causing damage to more than 20% of the distribution transformers, besides improper voltage levels at the consumers, terminals. The constraint of resources has not allowed replacement and modernisation of the distribution system in many areas which is in a very dilapidated conditions. The augmentation and replacement of distribution system both in the urban and rural areas where required needs to be given due priority for which a phased programme is being drawn for implementation in the annual Plan 1992-93.

A number of schemes have been prepared for expansion and revamping of distribution system both in the Urban and Rural areas. The brief of the proposals are given below :—

#### **Revamping of Distribution System**

##### **Urban Distribution System**

**7.22** Most of the Urban Domestic and Commercial consumers have started using modern electricity opera-

ted gadgets like refrigerators, airconditioners, desert coolers etc. The Industrial load has also been increasing at an average growth rate of 10 to 12%. The Urban Distribution System in most of the Major cities like Amritsar, Jalandhar, Ludhiana, Bathinda, Patiala, Batala, Pathankot and Faridkot etc, are therefore getting over stretched much beyond their capacity in trying to meet the increasing and diversifying demands for power. The conductor and cable sizes are inadequate to meet the load and the HT and LT switch gear is mostly sluggish to clear the faults resulting in damages to the transformers. Schemes for expansions and revamping the Distribution Systems in the Urban areas have been prepared for implementation during the Eighth Plan period. The Schemes are already under execution in Ludhiana, Tarn Taran, Amritsar and Batala. An amount of Rs. 103.00 crore is being provided for 1992-93 for carrying out Transmission and Distribution Works.

### Rural Electrification

7.23 Accelerated programmes of extending power supply to rural areas with limited financial resources has often resulted in Sub-optimal design and routing of rural lines and inadequate reactive compensations. This has led to overloading of rural lines and high Distribution losses. With rural and Agricultural Sectors consuming nearly 58% of the energy, It has become imperative to strengthen, revamp and modernise the rural Distribution Systems. A multiprolonged approach is being evolved in this context which would include both conventional schemes of line and substation augmentation and capacitive compensation and modern techniques of rerouting of lines along optimal paths, high tension distribution and single-phase distribution Consumer's Co-operation is also being solicited to reduce the requirements of reactive compensation through installation of ISI certified equipment. Rs. 30.00 crore is being provided for 1992-93 the rural electrification programme.

### Energy Conservation

7.24 Punjab is encouraging energy conservation measures in the domestic/commercial, agricultural and industrial sectors. Farmers are being advised to go in for I.S.I. Pumpsets and preferably mono block motors, PVC piping instead of G.I. Piping wherever possible. Consumers are also being encouraged to instal capacitors at their end. PSEB is also educating the Industrial houses for conservation of energy.

## POWER DEVELOPMENT

### 7.25 (a) Investigation

To meet with the ever growing power demand of Punjab, all possible new schemes of Power generation need to be tapped in the shortest possible time. It is, therefore, essential that detailed investigation for all the possible new scheme are taken up in hand. Unless more schemes are prepared and undertaken in near future, Punjab will continue to face deficit in power.

### 7.26 (b) Research Station

Research work on power is being undertaken by State Electricity Board under the auspices of

Central Board of Irrigation and Power. In view of the large scale power Development envisaged in near future, responsibility and task for research unit has increased manifold and, therefore, it has been planned to upgrade the existing research unit to the level of a Research Station. For this purpose additional land is to be acquired, new buildings would have to be constructed, adequate laboratory is to be set up, necessary equipment and instruments are to be purchased and other facilities have to be provided for this Research Stations.

For carrying out the programme, for energy conservation, investigations and Research Station an outlay of Rs. 0.56 Crores is being provided for 1992-93.

### Non Conventional Sources of Energy

7.27 As state of Punjab does not have any reserves of conventional fuel such as coal, oil or natural gas, it is felt that energy sources likely available have to be exploited fully to meet the energy demands of the people living in rural and far/flung areas. State level Committee on energy constituted by the Punjab Government had recommended that energy conservation should be adopted as a major thrust area with particular focus on agricultural and industrial sectors of the state together with creation of mass awareness. An agency named Punjab Energy Development Agency has been formed to explore the energy potential in the state so as to make it most attractive option in terms of cost benefit ratio. Punjab Energy Development Agency had laid the following strategy to achieve the target during the 8th five-year plan :

1. Critical review of ongoing alternative/renewable energy Schemes/projects with a view to discontinuing those which are no longer relevant and strengthening those which are in line with PEDDA's objectives and the national priorities.
2. Promotion of commercially viable technology options with particular emphasis on identification of mechanisms for their self sustaining development.
3. Inducement/Induction of privatisation.
4. Close monitoring to ensure timely implementation and effective operational maintenance.
5. Utilization/development of existing technology base.

A amount of Rs. 175.00 Lakh is being provided to be earmarked for the year 1992-93 against the allocation of Rs. 99 Lakh during 1991-92.

## ENERGY DIVISION

### 1. Demonstration/Studies of Energy Conservation Techniques Innovations Programmes/Products

7.28 Energy conservation/efficiency improvement including cogeneration would be given a major new thrust in the State. This technology area has a large potential in the state and would appear to be the most

attractive option in terms of cost-benefit ratio, induction of private sector funds, and promotion of awareness. As a measurable target, it is proposed that PEDDA would achieve ten per cent energy savings through energy conservation/efficiency improvement in the state. An amount of Rs. 15.00 Lakh for annual Plan 1992-93 is being provided for this propose.

#### (A) Energy Conservation

- (i) Energy Audit/Feasibility Study/Demonstration Projects in Energy Conservation in Industry.
- (ii) Pumpset Efficiency Improvement/Efficiency Improvement in Farm Machinery.
- (iii) Promotion of Energy Saving Gadgets/Appliances in Commercial/Household Sector.
- (iv) Promotion & Development of Cogeneration Demonstration projects.

#### 7.29 2. Programmes for Manufactures for Adopting Energy Conservation Techniques/Products

The objective of this scheme is to promote energy innovation in the state and to strengthen energy related infrastructure including human resource development from energy activity point of view. Specific activities will include sponsorship of R & D projects to address the technology needs of ongoing projects as well as to identify/develop future technology options. Support to energy innovators/inventors in the State would also be provided including review of their cases. Trainings of educated youths for gainful employment in the field of energy would also be taken up including general training courses/workshops to improve the level of operation and maintenance of energy using equipment/ devices. An amount of Rs. 14.00 Lakhs for 1992-93 is being provided for activities :—

- (a) Efficiency Awards.
- (b) Support of Innovators/Inventors.
- (c) Support for R & D Programme/Infrastructure Development.
- (d) New/Emerging Technology Applications.
- (e) Human Resources Development.
- (f) Purchase of equipment for energy conservation.

#### 7.30 3. Mass Awareness and Extension Programmes :

For energy awareness, it is proposed to launch a major campaign in the State with the objective to sensitize the people to the need for energy conservation. The value of more energy efficient practices/equipment appliances, and the appropriate step to take in this regard.

An amount of Rs. 10.00 Lakhs for 1992-93 is being provided for the year 1992-93.

#### Data Base Energy Supply/Demand Assessment.

The objective of this scheme is to provide the data input for forecasting the future scenarios and needs of the state. An amount of Rs. 3.00 lakh for 1992-93 is being provided.

## RENEWABLE ENERGY DIVISION

### 7.31 1. Institutional and Community Biogas Plants.

The Department of Non-Conventional Energy Sources (DNES) Government of India provides subsidy for installation of community/institutional biogas plants at the rate of 98% and, 70% respectively. It has also been estimated that a community biogas plant with a capacity of 85 cum. can save energy equivalent to 37500 KWH annually. So far 86 community biogas plants have already been commissioned and another 59 are in various stages of completion. It is proposed to install 50 such projects during the year 1992-93 and a total of 388 projects during the 8th plan period. Major thrust will be on installation of institutional biogas plants. These projects will generate an employment 1928 mandays during the construction phase and 18258 mandays on regular basis for operation and maintenance of these projects on an annual basis. An outlay of Rs. 50.00 Lakhs for the year 1992-93 is being provided.

#### 2. Family size Biogas Plants

The Scheme of Family size Biogas plants is being implemented by Agriculture Department with Central Assistance. An amount of Rs. 14.00 lakh for 1992-93 is being provided. It is proposed to set up 2000 during 1992-93.

### 7.32 2. Wood Burning Crematoria

The current funeral practices in the State entails the consumption 86, 830 MT of fuel wood/annum (48,899 trees/annum) it is possible to make 33% saving in the consumption of fuel wood through the use of improved wood burning crematoria. An improved version of the crematoria that entails fire brick enclosure with CI grating will result in the fuel wood saving of 150 to 200 Kg. Under the above project, it is proposed to popularise the use of such improved crematoria in the State. The State of Gujrat and few other States have already implemented this project and obtained desired results in terms of fuel wood saving.

It has been estimated that each crematoria shall cost about Rs. 15,000 approximately. It would save 18.75 Tonnes of fuel wood annually worth Rs. 9400, this the pay back period of the capital cost of just one year and 7 months only. 20 such demonstration units will be installed in the State during 1991-92 and a sum of Rs. 3 lacs has been provided for this purpose during 1991-92. It is proposed to install 89 such units during the year 1992-93 and 400 Nos. during the 8th plan.

A provision of Rs. 2.00 Lacs is being made for the year 1992-93 for this purpose.

### 7.33 3. Solar Thermal Extension Programme

Solar energy is a direct and perennial source of energy which is non-polluting and freely available. The energy from the sun can be used to meet the Thermal Energy requirement lower temperature ranges (40°C to 165°C) The objective of the solar thermal extension programme of DNES is to develop and promote the use of solar thermal technologies and

devices such as solar cookers, solar water heating systems, solar distillation systems, solar power generation solar ponds, solar refrigeration and solar passive architecture. So for 3.20 Lac litres per day capacity of solar water heating system have been installed at various places in the State. There is considerable potential of saving conventional fuels viz ; coal, oil and Electricity year. During the 8th Plan period it is proposed to lay grater emphasis on the following areas ;—

- (a) Industrial application of solar water heating system.
- (b) Agricultural application of solar dryers and green houses.
- (c) Solar Photovolatics
- (d) Solar Thermal Power Genration.

It is proposed to install 1 Lac litres per day capacity solar water heating system, 4 solar timber kilns/dryers and to sell 10,000 solar cookers during 1992-93. This activity may generate employment of 7800 mandays during installation phase and 2160 mandays for marketing operation and maintenance annually. A sum of Rs. 280.00 lacs is proposed for the 8th Plan out of which Rs. 30.00 lacs is being provided for year 1992-93.

7.34 Following New Schemes are being implemented during 1992-93 by PEDA :—

Name of the Scheme	Outlay 1992-93
1. Improved portable chulhas	2.00
2. Biomass based Gasifier	5.00
3. Solar Passive Architecture	20.00
4. Urja Grams	5.00
6. Power Generation from Agro waste/Municipal waste etc.	5.00
<b>Total-B</b>	<b>37.00</b>

## I. R. E. P.

### Integrated Rural Energy Programme

7.35 This programme is being implemented in the State since the year 1986-87 on behalf of Planning Commission, Government of India. It is an area based block level programme and involves setting up of block level projects in selected blocks in the State on the basis of surveys on existing pattery of energy consumption and supply and demand. Energy demand for the next five year is projected taking into consideration proposed development activities. Inputs are given by supplementing the existing conventional sources of energy with non-conventional sources. It is, therefore, applied and adopted research programme for a particular area to get optimum mix of different source of energy, Conventional and Non-coneyntional with combination of demonstration extension and financial incentives and through invelvement of concerned department of the State and Central Sector.

This programme is being implemented is the blocks Kharar, Sultanpur Lodhi, Majri, Shahkot, Bassi Patthana, Kapurthala, Nakodar, Machhiwara, Dhuri and Hoshiarpur. A sum of Rs. 12 lacs be provided for the year 1992-93 and a sum of Rs. 80 lacs be provided for the 8th plan period for setting up of block level cell and state cell which will be directly reimbursed by Planning Commission under Centrally sponsored scheme.

A sum of Rs. 40 lacs is being provided for the year 1992-93 implementation of this programme.

**CHAPTER VII**  
**ANNUAL PLAN 1992-93**  
**ANNEXURE**

Sub-head : POWER

(Rs. in lacs)

Name of the Scheme	Actual Expenditure 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Completes Schemes as on 31st March, 1990</b>					
1. RTP Stage -II (2×210MW)	171.00	—	—	400.00	400.00
<b>Schemes Completed during 1990-91</b>					
1. UBDC-II (PHs) (46, 35 MW)	1788.00	500.00	500.00	400.00	400.00
2. Rice Straw TPP Jalkheri (1×10MW)	510.00	500.00	500.00	400.00	400.00
<b>Critical On-going Schemes as on 31st March 1992</b>					
1. RTP Stage-III (2×210MW)	15613.00	12000.00	12000.00	6000.00	6000.00
2. Ranjit Sagar Dam (600MW Pb. Share 452MW)	13952.00	17000.00	16800.00	15000.00	15000.00
3. SYL PHs HEP (50MW)	941.00	25.00	25.00	800.00	800.00
4. Shahpur Kandi (HEP 248 MW) Pb. Share (198MW)	242.00	100.00	300.000	500.00	500.00
5. Transmission & Distribution	11735.00	3150.00	3150.00	10300.00	10300.00
<b>Renovation Modernisation Scheme</b>					
1. R&M of GNDTP Phase-II	150.00	—	—	100.00	100.00
2. R & M of RTP Phase-II	—	—	—	100.00	100.00
3. R & M of Bhakhra PHs & associated works	—	—	—	1100.00	1100.00
<b>New Schemes :</b>					
1. GNDTP Stage-III (2×210MW)	—	—	—	1512.00	1512.00
2. Survey & Investigation etc.	—	25.00	25.00	56.00	56.00
1. Mukerian Stage-II HEP	—	200.00	200.00	—	—
<b>Total</b>	45102.00	33500.00	33500.00	36668.00	36668.00
<b>Drop Out</b>	2045.00	—	—	—	—
<b>District Schemes:</b>					
<b>Infrastructure Scheme</b>					
1. Rural Electrification	3372.00	—	—	—	—
1. Rural Electrification	—	1500.00	1500.00	3000.00	3000.00
<b>Grand Total</b>	50519.00	35000.00	35000.00	39668.00	39668.00

## ANNUAL PLAN 1992-93

## ANNEXURE

(Rs. in lacs)

## Sub-head . NON-CONVENTIONAL SOURCE OF ENERGY

Name of the Scheme	Actual Expenditure 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
1. Family Size Biogas Plants (Agril. Deptt.)	.. 10.93	—	12.00	14.00	—
2. Institutional Community Biogas Plant	.. 40.00	—	50.00	50.00	35.00
3. Solar Thermal Extension Programme	.. 16.00	—	16.00	30.00	24.00
4. Demonstration/Studies of Energy etc.	.. 10.00	5.00	5.00	15.00	7.00
5. Wood Burning Cremateries	.. —	3.00	3.00	2.00	1.75
6. Mass Awareness & Extension Programme	.. —	5.00	5.00	10.00	—
7. Programme for Manufactured to adopt energy conservation Technique/Product include Improvement of Pumping Sets)	.. 5.00	5.00	10.00	14.00	10.00
8. Date Base regarding energy supply/demand assessment	.. 1.50	3.00	3.00	3.00	0.50
<b>New Schemes:</b>					
1. Improved Portable Chullahs	.. —	—	—	2.00	1.00
2. Biomass Based Gasifier	.. —	—	—	5.00	4.00
3. Urja Grams	.. —	—	—	5.00	4.00
4. Power Generation from Agro-waste	.. —	—	—	5.00	—
5. Solar Passive Architecture	.. —	—	—	20.00	13.00
<b>Total</b>	.. 83.43	21.00	104.00	175.00	100.25
1. Drop Out/Recast Schemes	.. —	3.00	28.00	—	—
<b>Grand Total</b>	.. 83.43	24.00	132.00	175.00	100.25
1. Integrated Rural Energy Programme	.. 30.00	—	—	40.00	—



## CHAPTER VIII

### INDUSTRY AND MINERALS

Acceleration in the rate of industrial growth is a major challenge to be faced in Punjab. Punjab being a border State suffers from the locational disadvantages of long distance from the sources of raw materials and markets. Apart from this, the pace of industrial development has also received a setback due to disturbed conditions in the state for the last few years which has adversely affected the rate of industrial growth. The rate of industrial growth which was 10.02% in Fifth Plan (1974-79) came down to 5.41% during sixth Plan (1980-85). However, with active participation of the State, the growth rate of industry has again picked up and during Seventh Plan period the estimated growth rate of Industry has been 10.05% (against 8.5% at national level). Efforts would be made to accelerate rate of growth to 20% by the end of Eighth Five Year Plan.

8.2 The present status of Industrial sector comprises of 372 large and medium units with a fixed investment of Rs. 1,942.00 crores and providing employment for 1,74,000 individuals by the end of 1990-91. In the small scale sector, by the end of 1990-91 there were 1,60,357 registered units with an investment of—Rs. 762.00 crores giving employment to 6,69,000—persons. Although, these figures appear to be impressive in numbers, the fact remains that the contribution from the manufacturing sector at current prices is only 14.5% of the Gross State Domestic product as against the National figure of 20.5%.

8.3 The broad objectives and goals viz. rapid expansion of opportunities for gainful employment, reduction of social & economic disparities, removal of poverty and attainment of self-reliance by raising the quality of production to increase its competitiveness in the global market, have been kept in view. For the realisation of these objectives, the following thrust areas have been identified :—

- (i) Generation of gainful employment, particularly in the rural areas for an optimum utilisation of the skilled/unskilled manpower and for a fuller utilisation of the raw materials, particularly agro products available in the rural areas;
- (ii) Balanced regional growth for removal of rural urban disparity;
- (iii) Creation of additional/revitalisation of the existing infrastructure facilities;
- (iv) Technological upgradation and modernisation with a view to achieve higher productivity, improvement in quality standards and designs with a

view to increase the exports including manpower ;

- (v) Development of rural/cottage industries to exploit the local resources;
- (vi) Providing of counselling services for better and scientific marketing and management techniques and evolving effective monitoring system for the implementation of various programmes; and
- (vii) Due emphasis to be given for upgradation of rural Industry by improved technological inputs.

8.4 Small Scale Industry is the backbone of the Industrial structure of the State. This Sector is not only providing employment to over 6.5 lakh persons, but also contribute to over 50 per cent of the total exports from the State. With a view of creating increased awareness for raising the quality of output, new initiatives have been planned for setting up Research & Development Centres in the field of machine tools, auto parts, rubber goods, steel re-rolling, electrical appliances etc. Some of these will be assisted under UNDP programme and suitable provision has been made for providing State share. Sufficient provisions have been made for new programmes namely Upgradation of Testing and Common Facilities, Setting up of District level Marketing complexes for rural tiny Industrial Products and Industrial Promotion Programmes through PSIEC.

8.5 With the abolition of industrial licensing (except in certain specified areas), it is necessary to monitor properly availability of credit for long-term and short-term needs of the industrial undertakings in the large/medium as well as in the small scale sector. Since the emphasis would generally shift from subsidised credit, it is imperative that efforts should be made to ensure adequate flow of credit. The state financial Institutions viz. the PSIDC and the PFC will have to assume new roles involving increased responsibility for ensuring adequate and timely availability of credit. Adequate provision has been made for these two institutions for taking up this enlarged role.

8.6 After critical Zero based analysis of the on-going programmes of the 7th Plan, emphasis has been laid on achieving the broad objectives mentioned above, particularly generation of Gainful Employment/Self-employment. The special employment Programme/scheme of the state and Govt. of India for unemployed Educated Youth are given priority attention. These schemes and Govt. assisted Projects are expected to generate gainful self-employment/employment for about 50,000 persons per year. Besides, about 1.50 lakh persons are likely to get indirect employment in related



commercial, transport, housing and business sector too.

8.7 To achieve the objectives mentioned in the fore-going paras mainly the Employment Generation, provision of infrastructure, incentives for the expansion of existing industry as well as to attract new industry, upgradation of technology, the following suitable schemes have been framed and adequate provision has been made in the Plan :-

- (i) For Generation of Gainful Employment, a special scheme for educated unemployed youths in the state has been framed. Under this scheme subsidy to the extent of 10-15% will be granted to raise loans from Banks and Financial Institutions. An amount of Rs. 300.00 lacs has been provided for 1992-93 for this scheme. This will provide employment to about 3000 youths during 1992-93.
- (ii) For Providing infrastructure, it is proposed to develop 12,000 plots in the various Industrial Focal Points/ Growth Centres. A sum of Rs. 700.00 lacs has been provided for 1992-93 to the PSIEC for this purpose. Besides this, a sum of Rs. 400.00 lacs has been provided for the Annual Plan 1992-93 for the establishment of Growth Centres in the State and double the amount will be provided by GOI as their share.
- (iii) Incentives in the form of Interest Free Loans, Capital Subsidy, Land Subsidy, Octroi Exemption, Generating set subsidy have been proposed in order to facilitate the setting up of Industry in the state in view of the prevailing difficult situation. A provision of Rs. 1500.00 lacs has been made for 1992-93.
- (iv) For upgradation of Technology and Setting up of Research & Development Projects, a sum of Rs. 444.50 lacs has been provided for 1992-93.
- (v) For development of Electronics Industry, a sum of Rs. 950.00 lacs has been provided for 1992-93.
- (vi) A sum of Rs. 60.00 lacs has been

provided for 1992-93 for the development of Leather Goods Industry in the state.

8.8 The total outlay for sub-head of development "Industry" for the 7th Plan was Rs. 124.00 crores. Against this, the actual expenditure was Rs. 149.00 crores. The provision for 1991-92 is Rs. 64.00 crores (including Industrial Cooperatives). The outlay provided for the Annual Plan 1992-93 is Rs. 71.00 crores. Out of the total outlay of Rs. 71.00 crores for 1992-93, an amount of Rs. 19.94 crores has been allocated to the schemes for implementation at District level to achieve their felt needs.

#### Village and Small Industries:

8.9 Number of Small Scale units which were 88,271 in 1984-85 increased to 1,46,443 by the end of 1989-90. The production in the small scale sector during 1984-85 was of the order of 1666.00 crores. The production from this sector by the end of 1989-90 is estimated to be of the order of Rs. 2078.00 crores. Besides agriculture, the small scale sector has thus come to occupy a place of pride in the economy of the state. The varied production patterns which this sector has developed includes consumer goods like bicycles, sewing machines, hosiery goods, sports and leather goods, textiles, televisions, chemicals, fertilizers and also high provision products such as machine tools, autsparts and other engineering items.

8.10 The primary objective of the small scale Industrial policy during the Eighth Plan would be to impart more viability and growth impetus to the sector to enable it to contribute its might fully to the economy, particularly in terms of growth of output, employment and exports. A provision of Rs. 700.00 lacs has been provided to PSIEC for providing infrastructure facilities for this sector for location of industries in rural/backward areas. The existing infrastructure facilities shall be upgraded so that all services essential for industry are available in the focal points. With a view of creating an increased awareness for raising the quality of output, new initiatives have been planned for setting up of Research and Development centres in the field of machine tools, auto parts, rubber goods, steel re-rolling and electrical appliances etc.

The actual achievement up to 1990-91, likely achievements in 1991-92 and targets for 1992-93 are given in the table below :-

Village and Small Scale Industries in Panjab

Sr. No.	1984-85 Actual Ach.	1988-89 Actual Ach.	1989-90 Actual Ach.	1990-91 likely Ach.	1991-92 likely Ach.	1992-93 Target
	2	3	4	5	6	7
(I) No. of Regd. Units (cumm)	82,271	132,962	146,443	160,357	175,350	190,350
(II) Fixed Investment (Cr. Rs.)	559	716	722	762	802	842
(III) Production (Cr. Rs.)	1,666	2055	2078	2158	2238	2318
(a) Modern Industry	..	..	..	..	..	..
(b) Production	..	..	..	..	..	..
(c) Village Industry	..	..	..	..	..	..
(IV) Export (Cr. Rs.)	105	188	220	275	315	355
(V) Employment (lakhs) (Existing Units) (cumm)	4.24	5.94	6.34	6.69	7.20	7.70

Note :- Investment, production and exports are at constant prices with 1981-82 as base.

The state plan programmes/schemes under this sector are discussed in succeeding paragraphs :

#### Direction and Administration

##### I.N. 1.1 District Industries Centres (C.S.—50 : 50) :

8.11 In the State, 14 District Industries Centres are functioning i.e. one in each district. District Industries Centres scheme was started by the Central Government in 1979 to develop small scale and cottage industries through the window service under one roof. It also includes RIP/RAP, Seed Margin Money Scheme and Evaluation of SEEU Scheme. An outlay of Rs. 130.00 lacs has been provided for 1992-93. Matching Contribution will be provided by GOI.

##### I.N. 2.1 Training of staff and visit to Industries in other States :

8.12 Under this scheme officers of the department are sent for training at various institutions like NITE in Bombay and SIET in Hyderabad. To promote National Integration through industry, the scope of the scheme has been enlarged to cover sponsored visits in other industrially developed areas in the country. An outlay of Rs. 3.00 lacs has been provided for the year 1992-93 for this programme.

##### IN 2.3 Assistance for Training of Multi-disciplinary Managers :

8.13 This is a new programme under which assistance for Training of Multi-disciplinary

functionaries is proposed to be given. An amount of Rs. 2.00 lacs has been provided for 1992-93.

##### IN 2.4 Setting up of EDP Training Programme :

8.14 This is also a new programme under which assistance will be given for EDP Training Programme for which an amount of Rs. 2.00 lacs has been provided for 1992-93. A number of Entrepreneurial Training programmes will be conducted throughout the State in Collaboration with NITCON, SISI, Banks, PFC and other Institutions.

##### IN 3.2 Sewing Machine Development Centre, Ludhiana :

8.15 This project has been set up at Ludhiana with the assistance of UNDP. The first phase has been completed and second phase is already under implementation. A sum of Rs. 46.00 lacs has been provided for annual plan 1992-93.

##### IN 3.3 (a) Research and Development/UNDP Projects :

###### (b) Economic Package

8.16 The Government of India, Department of Finance have approved and forwarded the following proposals to UNDP for assistance. These R and D centres are proposed to assist the industry in technology upgradation. The UNDP assistance will be in the form of imported machinery, technical experts from abroad, fellowships etc. and the State Government will provide land, building, indigenous machinery, staff and running expenses.

Name of the project

State Govt.'s Matching share UNDP assistance

1992-93  
(Rs. in lacs)

1992-93  
(US \$ in lacs)

1. Machine Tools R&D Centre, Batala	..	30.00	8.76
2. Automotive Parts R&D Centre, Ludhiana	..	29.00	18.30
3. Bicycle R&D Centre, Ludhiana, Phase-II	..	40.00	5.51
4. Research and Development Centre for Electrical Appliances/Goods, Rajpura	..	2.50	58.75
5. Development Centre for Re-rolling Industry, Gobindgarh	..	1.00	6.69
6. Research and Development Centre for Rubber Products, Jalandhar	..	36.00	4.62
7. Schemes/Projects to be implemented under Economic package	..	1.60 (Token)	..

##### IN 3.5 Incentive for Standardisation, Productivity, New Innovations/Inventions, Export awards, Quality certification and participation in centrally assisted development projects (Assistance) Incentive for Technology Upgradation :

8.17 The scheme is to provide incentive/awards to S.S.I. Units having commendable performance in the fields of Standardisation, Export, New innovations etc. Assistance will also be provided to centrally assisted development projects like CIPET for establishing their centres in the State for the

development of S.S.I. units. An outlay of Rs. 20.00 lacs has been provided for the year 1992-93.

##### IN 3.11 Setting up of Technology Information Centre and Data Bank :

8.18 Under this scheme special efforts shall be made to provide information, support to the entrepreneurs in small scale sector. It shall help to improve their existing production technologies, plant lay-out, material handling and production technologies and to adopt new raw-materials and

new management technologies. For the year 1992-93, an amount of Rs. 50.00 lacs has been provided.

### IN 3.13 Upgrading the Testing and Common Facilities Centre :

8.19 There is a great stress on the quality of industrial products with the liberalisation of industrial policy. Even for exports a new standard ISO-9000 have been introduced and the products of the industry have to conform to this standard, if they want to sell their products in the International Markets.

8.20 The testing facilities at the Quality Marking and Industrial Development Centres are not adequate as the modern and sophisticated equipment has not been installed. It is also necessary to provide some common facilities in the form of sophisticated tools, dies, fixtures etc. for improving the quality of the products of the industrial undertakings.

8.21 It is proposed to equip the Quality Marking-cum-Industrial Development Centres with modern equipment for testing and common facilities during 8th Five-Year Plan. In the beginning the centres at Mohali, Ludhiana and Patiala would be taken up for upgradation of these facilities and later on the centres in other districts would be taken up. For this purpose, a provision of Rs. 10.00 lakhs has been provided for 1992-93.

### IN 4.1 Punjab Small Industries and Export Corporation including infrastructural work of other corporations :

8.22 Punjab Small Industries and Export Corporation Ltd. has been established primarily to promote the interest of Small Scale Industrial Units in the state. The other activities now covered by this corporation includes supply of raw material, infrastructural facilities, emporiums, marketing assistance, export and development of handicraft. The authorised capital of the corporation is Rs. 7.50 crores and paid up capital is Rs. 4.52 crores. It has already developed 16 industrial focal points in the state. The corporation proposes to acquire 3899 acres of land during Eighth Plan at 15 focal points, costing around Rs. 8138.87 lacs and the cost of development is expected to be Rs. 12078.94 lacs. Thus the total expenditure comes to Rs. 20,217.81 lacs. It has been proposed to provide Rs. 20.00 Crores by way of soft loan which includes development of infrastructure facilities for Hosiery Complex Abohar and also of PSIDC, leather and GIICO. The PSIEC will also undertake the following works of other corporations.

	(Acres)	(Rs. in lacs)
Mini Leather Complex, Phillaur	50	350.00
Integrated Industrial Complex (Electronics city in Ropar Distt.)	500	2500.00

An outlay of Rs. 700.00 lacs has been provided for 1992-93 to PSIEC.

### (ii) Industrial Promotion Programme Through PSIEC

8.23 Government of India has announced in the recent past New Industrial and Economic Policy in which emphasis has been made for boosting the exports. At present Small Scale Sector is one of the major contributors for earning the foreign exchange through exports. In order to boost export from the State, it has been envisaged to formulate specific programmes for implementation through Punjab Small Industries and Export Corporation. For this purpose a provision of Rs. 1.00 lacs for the year 1992-93 has been made.

### IN 4.2 Development of Goindwal Nucleus Industrial Complex

8.24 Under Goindwal Industrial and Investment Corporation to provide utility, services and essential facilities in the existing complex, state government approved a master plan covering an area of 6,000 Acres to establish an integrated rural industrial township for a population of 3,00,000. Under the first phase, an area of 475.75 acres of land was acquired and developed into 352 industrial plots, 246 residential plots and 82 commercial plots. Out of these 320 industrial, all residential and commercial plots have been allotted. 52 Units are already under production and other 40 units are under erection. For its extension an area of 425 Acres is under acquisition for Phase-II.

8.25 As good number of industrial units have been established the demand for public institutions, shopping centre, Bus stand, sewerage treatment plant and other essential utilities and services cannot be over-looked. For providing these urban and civic amenities and for completion of balance works such as Bus Stand, Fire Station, Public Building etc. a provision of Rs. 30.00 lacs has been made for annual plan 1992-93.

### IN. 5.1 Participation in Industrial Fairs/Buyer-Seller Meet/Marketing Assistance

8.26 The Department of Industries through Export Houses (Private and Public) has been participating in the National and International Trade Fairs. It is the only way in which the small manufacturers can exhibit their products in the International field and can explore the market. Under this scheme the industrial goods of the small scale industries are displayed in the International Trade Fair in and outside the country to boost their market. Under this scheme following incentives will be given :—

(i) 75% subsidy on space

(ii) For the first two years subsidy on transport will be 50%, in the third year it will be 25% and after that the subsidy will not be given .

An outlay of Rs. 10.00 lacs has been provided for the year 1992-93 for this scheme.

#### IN. 5.2 Publicity :

8.27. Publicity is the need of the Department. Publicity is given under this scheme through booklets, pamphlets, Journals, Advertisements etc. It is also planned to upgrade and properly equip the Department Library with useful books, literature, magazines and other publicity material. An outlay of Rs. 10.00 lacs has been provided for 1992-93. The scheme would be implemented through Udyog Sahayak Cell in the Directorate.

#### IN. 5.3 Quality Control order on Household Electrical Appliances:

8.28 In order to improve the quality of household Electrical Appliances and to provide adequate protection to consumer goods, the Government of India has promulgated a Household Electrical Appliances Quality Control Order, 1981 under the Essential Commodity Act, 1955. The order has come into force with effect from 12th November, 1981. Its aim and objective is to check the health hazards caused by the use of cheap appliances. In order to implement this Act two laboratories have been set up at Mohali and Jalandhar. A sum of Rs. 10.00 lacs has been provided for 1992-93.

#### IN. 6.1 Marketing Development Assistance Scheme (C.S 50:50)

8.29 Under this scheme, the assistance which is to be shared equally by the State and Central Government would be made available to the State Apex bodies and Handloom Development Corporation on the basis of their 8% of the average sales turn over of handloom fabrics, made up garments (excluding Janta Cloth). The average sale turn over is to be taken from the audited accounts of three years preceding the financial year.

The assistance provided under the scheme is to be utilised for any of the following purposes:—

- (a) Interest Subsidy;
- (b) Rebate/Discount and other consumer's incentives on non-Janta handloom products;
- (c) Capital/Margin money for setting up of show room etc.; and
- (d) Any other purpose approved by the State or Government of India.

8.30 As usual, the scheme of Marketing Development Assistance (except for National Handloom Export Organised/approved by the office of Development Commissioner for Handloom) would be implemented through PUNTEX, whereas for participation in the National Handloom Exports, PUNTEX and PSIEC would be entitled to avail the rebate on the sale of Handloom cloth.

This scheme will help at least 500 poor weavers located in the rural areas including the border districts of Punjab by way of providing them livelihood at their door steps.

An outlay of Rs. 25.00 lacs has been provided for the year 1992-93.

#### IN. 6.3 Punjab State Hosiery and Knitwear Development Corporation :—

8.31 The UNDP aided woollen dyeing and finishing project has been implemented by this corporation successfully. In accordance with the agreement for UNDP assistance, the State Government is to meet all expenditure to run the various service activities and programmes under the project. The State Government has also made a commitment to maintain the project and provide necessary funds for running the corporation after UNDP withdraw from the scene formally, at the end of the project i. e. December, 1986. The State Government also feels that dependence for the corporation indefinitely on Government grant for meeting operational cost of this project, should be reduced or minimised, and eventually it should become self-reliant. Besides, the corporation should also be able to test commercial efficiency of "in use" development work in its own service unit(s) without diluting service orientation of the project in any way. Towards this objectives in view, the spinning installation, which was provided by UNDP is being balanced technically with financial assistance from IDBI, which has been sanctioned already. A sum of Rs. 40.00 lacs has been made available to the corporation during 1987-88 to enable it to recoup losses increased by it due to expenditure on service activities in 1985-86 and 1986-87 so that in due course it may become self-reliant. In all a sum of Rs. 93.00 lacs was provided during Seventh Plan period and Rs. 20.00 lacs has been provided during the year 1991-92 as margin money required for working capital. The fundamental decision need to be taken about this corporation is of the nature and character of its operation. To make it self-reliant, scope of its activities will have to be enlarged. A sum of Rs. 100.00 lacs has been provided for the year 1992-93 to meet the urgent requirements of this corporation.

#### IN. 7.1 (a) Setting up of Handicraft Village

##### (b) Imparting training to artisans in Handicraft

8.32 This plan programme for the development of Handicrafts includes 50% subsidy for the purchase of improved tools, 10% rebate on sale of Handicraft goods, during All India's Handicrafts week, State award to the distinguished Master crafts/persons in Handicraft, study tour of artisans to other States, training cum-production centre in cut glass and ceramics, advance carpet weaving training centre, half a percent subsidy on Handicraft export. For implementation of all these schemes an amount of Rs. 10.00 lacs was provided during 1991-92. The additional step up was to be utilized for additional activities with regard to setting up of "Handicraft village." An outlay of Rs. 10.00 lacs has been provided for the year 1992-93 for this scheme.

### IN. 8.1 Strengthening of Khadi and Village Industries Board

8.33 Punjab Khadi and Village Industries Board aims at promoting 25,000 units in rural areas of the State providing direct employment to 50,000 persons and indirect employment to 1,25,000 persons and intends achieving the production of about Rs. 1000.00 lacs per annum. The activity of the Punjab Khadi and Village Industries Board has increased manifold over years. An outlay of Rs. 10.00 lacs has been provided for 1992-93.

NOTE: Write up on Industrial cooperatives is included in chapter V.

#### Industries other than village and small Industries :

8.34 It is considered imperative to promote the large scale industries which will be able to provide support to the small scale sector in the form of ancilliary growth and steady induction of high technology. The plan, therefore, lays emphasis on the coordinated development of large and medium and small and tiny industry in the State. However, unlike the position of GOI, where

public sector plays a leading role, the State Government, financial resources are too meagre to permit large scale direct investment in industry. Its role will, therefore, largely be confined to promoting private investments, whatever direct investment are contemplated, will mostly be of pioneering type. The Punjab State Industrial Development and Punjab Financial Corporation are acting as financial institutions for the development of large and medium industry in the State. The Punjab Industrial Development Corporation has played an important role as an institutional entrepreneur and 68 projects involving capital cost of about Rs. 500.00 crores and having direct employment for 32,500 persons have since been commenced. The Punjab State Electronics Development and Production Corporation also undertake the promotion of Electronics units in the State. As on 31st March, 1985 there were 273 large and medium units in the State which increased to 355 in 1989-90 and this number increased to 372 by the end of 1990-91. The achievements and main physical targets for this sector are as under:—

#### Large and Medium Industries in Punjab

Serial No.	1984-85 Achievement	1989-90 Achievement	1990-91 Likely Achievement	1991-92 Likely Achievement	1992-93 Target
1	2	3	4	5	6
1 Working Unit (NOS) (cummu)	273	355	372	392	412
2 Employment (in lakhs cumm)	1.31	1.70	1.74	1.82	1.90
3 Fixed Investment (Cr. Rs)	1066	1828	1942	2062	2182
4 Production (Cr. Rs.)	1763	3237	3555	3855	4155
5 Exports (Cr Rs.)	68	164	145	180	200

The plan programmes for this sector are divided into two main heads i.e. the equity participation in various corporations and provision of infrastructure and incentives. Schemewise details are given in the paragraphs as follows :—

#### I.N. 12.1 Punjab Financial Corporation:

8.35 Punjab Financial Corporation, a primary term lending institution of the state was established in 1953 under the S. F. C.'s Act, 1951. The corporation is engaged in providing medium and long term loans to industrial units, for setting up new projects in expansion, diversion, renovation, modernisation and rehabilitation of existing units. It provides loans from Rs. 2000 to Rs. 60 lacs to tiny small and medium scale units. The corporation has concessional schemes of providing assistance to technically qualified entrepreneurs, ex-servicemen, physically handicapped persons, medical practitioners for setting up of village and cottage industries.

8.36 The authorised share capital of the corporation as on 31st March, 1990 is Rs. 50.00 crores

and paid up capital (including loan in lieu of capital from the State Government) as on 31st March, 1990 is Rs. 2498.92 lacs. The corporation has a reserve of Rs. 1094.32 lacs. During the seventh plan the State Government has provided a sum of Rs. 1198.00 lacs as share capital to the corporation. The corporation mobilises finance from :—

- (i) Share capital contribution from the State Government and Industrial Development Bank of India;
- (ii) Issue of bonds for long term borrowings, refinance from IDBI; and
- (iii) Repayment from the loanee concerns and settlement of credit guarantee claims.

8.37 The share capital contribution from the State Government and the IDBI is on a matching basis. The IDBI's contribution towards share capital of the corporation and refinance against the

loan depend upon the contribution by State Government towards the share capital of the corporation. According to the norms fixed by the IDBI, the disbursement of assistance is to be met from different sources in the following proportion:—

- (i) Share capital 10% (5% each by the State Government and IDBI)

- (ii) Plough back 10%  
(iii) Bonds 25%  
(iv) Refinance 55%

The target *vis-a-vis* achievement for the year 1985-90 are indicated below:—

Sanctions/Disbursements by P.F.C. (Rs. in lakhs)

	1985-86 Target (Ach.)	1987-88 Target (Ach.)	1988-89 Target (Ach.)	1989-90 Target (Ach.)	1990-91 Target (Ach.)	1991-92 Target (Achievements as on 20-2-92)
Sanctions	2500.00 (3139.00)	5000.00 (6362.36)	6400.00 (6576.58)	6900.00 (6600.00)	6900.00 (6800.00)	8250.00 (7687.32)
Disbursements	1500.00 (117.20)	3600.00 (3755.83)	4300.00 (4555.55)	5200.00 (5000.00)	5800.00 (5800.00) (Ant.)	6390.00 (5667.73)

Encouraged by their performance, the corporation has fixed the following targets for 1992-93.

	(Rs. in lacs)
Sanctions	9100.00
Disbursements:—	
(i) Term Loans	6700.00
(ii) Central Subsidy/State Subsidy	120.00
(iii) Special Capital Assistance	80.00
(iv) Seed Capital	25.00
(v) Soft Loan to Ex-Servicemen	100.00
	7025.00

8.38 The plan provisions of PFC provide for a total disbursement of loan amounting to Rs. 432.00 crores for five years of Eighth Plan. It contemplates provision of 10% of this by way of capital/loan in lieu of capital to be contributed by the State Government in the plan. This is based on the formula of funding as approved by IDBI which provides financing out of capital to the extent of 10%. Corporation will reinforce its efforts to improve the recovery and reduce the arrears.

8.39 An outlay of Rs. 750.00 lacs have been provided for annual plan 1992-93. Besides this, corporation would mobilise Rs. 4.00 crores during the plan out of ploughed back resources generated from repayments after earmarking funds towards refinancing agencies and external borrowings.

#### IN 12.2 Punjab State Industrial Development Corporation :

8.40. This corporation established in 1966 to act as catalyst for industrialisation of Punjab is acting as an Institutional Entrepreneur for promotion

of medium and large scale industries in the State. In the year 1976, the corporation also started functioning as a second State level Financial Institution for extending term loans under the IDBI's refinance scheme. As an institutional entrepreneur the corporation identifies projects and obtain letters of Intent, registration industrial licences from the GOI. The projects are taken up for implementation in assisted/joint or public sector, whereas the investment of the Corporation is limited to 10—15 per cent of the equity capital. However, whenever necessary it implements projects in the joint sector with investment upto 26 percent of equity capital. In case where it has not been possible to set up projects in assisted/joint sector and whenever government's policy so stipulates, it implements the projects in the public sector.

8.41 During the Seventh Five Year Plan PSIDC set up/financed 200 units and catalysed investment of Rs. 244.02 crores in the State which generated employment for 11057 persons. Above achievements were made with resources of Rs. 33.69 crores provided by the State Government and the funds generated out of disinvestment of profits. During the Eighth Five-Year Plan, it is proposed to set up/finance another about 300 medium and large scale units. These units are expected to generate employment for about 50,000 persons. Promotion of units in border/rural areas has been identified as a thrust area and PSIDC would endeavour to set up at least 50% of these units in these areas. Thus such units are expected to provide employment to about 25,000 persons of border/rural areas of the State. During the annual plan 1992-93 and during the Eighth Plan, the corporation proposes to implement projects as per proposals given in Annexure A. The requirement of funds under various categories during 1992-93 comes out to Rs. 5359.00 lacs. The Corporation expects to generate Rs. 595.00 lacs from its internal sources. So net requirement work out to Rs. 4764.00 lacs. However, in view of resources constraint, an outlay of Rs. 1480.00 lacs has been provided to PSIDC for 1992-93 as per details below:—

(Rs. in crores)

Item	Annual Plan (1992-93)
1. A. Electronics & Electrical goods	0.50
—Textiles	6.45
—Mechanical	1.00
—Chemicals :—	
—Specified Projects	6.50
—Unspecified Projects	0.75
2 Projects under investigation (General provision)	1.00
3 Investment in Private Sector (Under New Policy)	
—Investment for new projects and expansion	0.25
—Modernisation Schemes	0.50
4 Requirement of funds for assistance to promoted companies	0.25
5 Margin Money requirements	6.55
<b>Total</b>	<b>23.75</b>
<b>Less :</b>	
<b>Mobilisation and Plough back resources</b>	
(i) Plough back from requirement of Loan	3.00
(ii) Mobilisation out of dividends, dis-investment and Annual surpluses	5.95
<b>Total</b>	<b>8.95</b>
<b>Net Fund Requirement</b>	<b>14.80</b>

### In 12.3 Goindwal Industrial and Investment Corporation :

8.42 A sum of Rs. 50.00 lacs has been proposed for Annual Plan 1992-93 for the development of land measuring 200 acres-phase-II. The Corporation will consider in future for levying suitable maintenance charges subsumed in the price which will provide enough funds for the maintenance of complex for five years.

### IN 12.5 Establishment of Growth Centres (C.S.) :

8.43 This is a centrally sponsored scheme. In order to accelerate the pace of industrial development all over the country, the Govt. of India have decided to establish 100 growth centres during next 5 years or so at various places in all the states where the required basic inputs and all the necessary infrastructure would be provided by the government for the development of Industries. Each centre shall acquire about 400 to 800 hectares of land for infrastructure development and for allocation primarily to small and medium sized units. Apart from the cost of land and its development, the other items eligible for financing would be construction of access roads, water supply, upgradation of housing stock and schools, colleges, hospitals and dispensaries. Adequate banking facilities will be provided in the area but the expenditure will be borne by the bank concerned. The Govt. of India has allocated two growth centres to Punjab to be set up at Pathankot and Bathinda. Rs. 400.00 lacs has been provided for 1992-93 for this scheme and double this amount will be contributed by GOI as their share.

### IN 14.1 Punjab State Electronics Development and Production Corporation :

(ii) Setting up of Electronics Research & Development Centre, Mohali

8.44 This corporation was incorporated on 27th March, 1976 for the promotion of electronics industry in the state of Punjab in public, joint, assisted and private sectors for the creation of other infrastructure facilities necessary for the growth of electronics.

8.45 The authorised share capital of the corporation is Rs. 500.00 lacs and the paid up capital is Rs. 345.49 lacs. The corporation has till now made investment of Rs. 302.49 lacs in different companies registered for different projects. The corporation has implemented a number of projects in the joint, assisted and public sector and has also set up an industrial focal point meant exclusively for the electronics industry. The corporation has developed an Industrial Estate ELTOP at SAS Nagar over an area of 290 acres and at a project cost of Rs. 218.00 lakhs. 44 sheds and 84 plots have since been allotted to the prospective entrepreneurs.

8.46 For modernisation and to increase the efficiency, the corporation is setting up Electronics Research and Development Centre (ER&DC) in collaboration with DOE (50:50 sharing basis); Govt. of India at SAS Nagar with a project cost of Rs. 18.00 crores. It will serve as a backbone of designs and development of manufacturing equipment and systems for undertaking in small & medium scale sector in Punjab.

8.47 In addition to this the corporation is also implementing the scheme of Rural Employment in which 10 Mother units will be set up which will supply components, provide training and shall take up the marketing of products manufactured in the village by 100 tiny units. The details of projects undertaken/to be undertaken by this corporation is given in Annexure B to this chapter.

An outlay of Rs. 250.00 lacs has been provided for 1992-93 to this corporation.

### IN 15.1 Punjab State Leather Development Corporation :

8.48 This corporation was set up in February, 1981 for the development of leather Industry in the state. The paid up capital of the corporation as on 30th June, 1987 is Rs. 216.90 lakhs. The corporation started its marketing activities in October, 1982 and has considerably strengthened its marketing infrastructure. In the year 1985-86 the sales performance of the corporation was of the order of about Rs. 240.00 lakhs. The corporation is running two projects namely Punjab Footwear Ltd., and Punjab Tanneries Ltd. The departmental infrastructure of 27 Leather Centres has also been transferred to the corporation with effect from 1st July, 1984. The corporation is conducting feasibility studies of all these centres to make them commercially viable units.

8.49 During the Seventh Five-Year Plan the corporation received Rs. 220.00 lakhs as equity from the State Govt. for implementing various Projects.

8.50 An outlay of Rs. 60.00 lacs has been provided for annual Plan 1992-93 for various on going/new schemes of Leather Development Corporation. Details of Ongoing/new schemes for the year 1992-93 are given as under :—

**(i) Improvement in the earnings of Footwear artisans in Punjab by providing production and marketing facilities :**

The corporation intends to cover 2500 artisans working in the State during the next financial year by providing them production and marketing support. The scheme was started in 1991 and an amount of Rs. 8.00 lacs will be required in the year 1992-93.

**(ii) Setting up of Testing Laboratory for Leather/Leather goods in Leather complex, Jalandhar:—**

A modern Testing Laboratory is being set up in the Leather complex at Jalandhar. Under the scheme an amount of Rs. 6.00 lacs will be required during the year 1992-93. The Scheme will provide the facilities to the entrepreneurs for getting their goods which is necessary for the export units.

**(iii) Setting up of Common Facilities workshop in Leather Complex, Jalandhar :**

A common Facility Centre is being set up in the Leather Complex with the central Leather Research Institute to provide facilities to the entrepreneurs of the Leather complex. Land for the scheme has been purchased and construction of building is likely to start early. An amount of Rs. 29.50 lacs will be required during 1992-93.

**(iv) Scheme for the creation of production/common Facilities :—**

The scheme to provide facilities to the small manufacturers for export and internal market has been proposed during the 8th Five Year Plan. Total cost of the scheme will be Rs. 470.00 lacs out of which

outlay of Rs. 235.00 lacs will be provided by the State Govt. and an amount of Rs. 16.50 lacs have been made for the year 1992-93.

### DISTRICT LEVEL SCHEMES“INDUSTRY”

#### ‘Beneficiary Oriented Schemes’

#### IN 3.4 Modernisation of Small Scale Industry

8.51 This scheme was started in Fifth Plan period to assist the SSI Units using out moded technology and obsolete machinery. The New Industrial Policy lays down a special emphasis on modernisation of Small Scale sector for providing guidance to Industry, diagnostic study would be got conducted from the consultants and the units would be helped to purchase the machinery by giving soft loan in the form of interest subsidy and also to subsidize the cost of equipment. This would help in better utilisation of existing production capacities and available infrastructure assistance to the extent of free diagnostic study and 15% subsidy on the cost of machinery upto a maximum limit of Rs. 1.50 lacs is being provided. Under this scheme 650 small scale industries have been covered by the end of Seventh Five Year Plan. An outlay of Rs. 79.00 lacs has been provided for 1992-93.

#### IN 3.10 Pollution Control Scheme.

**(ii) Setting up of Common Effluent Treatment Plant for Small Scale Units:—**

8.52 This is a new Programme introduced in the annual Plan 1990-91 to control the Pollution and to improve the environmental and quality of life in the industrial towns. The Pollution Control Board has suggested this Programme to ensure the small entrepreneurs to install their effluent treatment Plants, under this scheme 50% of the cost of equipment subject to a maximum of Rs. 1.00 lacs is subsidized. An outlay of Rs. 100.00 lacs has been provided for annual Plan 1992-93 for this programme which also includes a provision of Rs. 50.00 lacs for a new scheme under the programme namely “Setting up of Common Effluent Treatment Plant for Small Scale Units” which is a Centrally sponsored Scheme. The funding Pattern of the new Scheme is as under :—

—Government of India	25% Share
—Punjab Government	25% Share
—Financial Institutions	40% Share
—Beneficiary	10% Share

To start with the new Centrally Sponsored Scheme “Setting up of Common Effluent Treatment Plant for SS units” is to be implemented at Ludhiana and Amritsar during 1992-93.

#### Employment Scheme for Unemployed Educated Youth

8.53 One of the major current topics, problems facing the Punjab State is unemployment amongst the youth.



The maximum thrust has, therefore, to be given towards creating self-employment opportunities. Accordingly, a high priority has been given to this programme during the Plan period by introducing new scheme which is discussed as under :—

### IN 11.2 Special Employment Programme

8.54 The Punjab Government has launched an ambitious programme of providing self-employment to the educated youth who will be motivated to adopt self-employment ventures by setting up small scale units by raising loans upto Rs. 1.00 lac from PFC/Banks. To specially encourage the youth in border areas/or scheduled castes subsidy @ 15% subject to a maximum of Rs. 15,000 will be provided and the subsidy would be 10% of the loan amount subject to a maximum of Rs. 10,000 in other districts. It has been decided that 5% of the cost shall be contributed by the beneficiary. The subsidy would be released to the financial institutions. An outlay of Rs. 300.00 lacs has been provided for 1992-93. A higher subsidy is thus available for setting up small industrial ventures in border areas.

### IN. 12.4 Incentives

8.55 The package of Incentives detailed below shall be admissible in the districts of the State as per guidelines contained in the New Industrial Policy, for which Rs. 1500.00 lacs have been provided for the Annual Plan 1992-93.

#### (ii) Interest Free Loan

The scheme of Interest Free Loan introduced under the Industrial Policy 1973 was contained in 1978 policy and as per policy, units set up before 1st April, 1987 would avail this facility upto the year 1998. The scheme aims at providing financial assistance in lieu of Sales Tax to the New Industrial Units at 5 to 6% of sale or at 25% to 40% of F.C.I. for a period of 5 to 10 years depending upon the area. An outlay of Rs. 900.00 lacs has been provided, for 1992-93.

#### (iii) State Capital Subsidy

Under the New Industrial Policy, 1989 25% capital subsidy subject to a maximum of Rs. 25.00 lacs, 15% capital subsidy to a maximum of Rs. 15.00 lacs and 10% capital subsidy to a maximum of Rs. 10.00 lacs shall be given in 'A' 'B' and 'C' grade growth areas respectively and Rs. 30.00 lacs to Pioneer units in "No Industry Blocks". Where Central Government Capital subsidy scheme is applicable the State capital subsidy will be equal to the difference of capital subsidy proposed in this scheme and that given by Central Government. An amount of Rs. 350.00 lacs has been provided for 1992-93 for this scheme.

#### (iv) Land Subsidy

The scheme of land subsidy was introduced under the Industrial Policy of 1978 and has been continued during 1987 and 1989 Industrial Policies. New units coming up in the Focal Points/Industrial areas/ Estates/any other clusters developed by the State Government or declared as such shall be entitled of

Land subsidy as per details given below for which an amount of Rs. 150.00 lacs has been provided for 1992-93.

Name of Focal Points	(Rs. in lacs)	
	Percentage of cost of plot available as subsidy	Maximum limit
1	2	3
1. Focal Points/Areas or their parts thereof falling only within the Municipal limits of Mohali, Ludhiana and Jalandhar	NIL	NIL
2. Leather goods complex .. Jalandhar, Sports goods complex, Jalandhar	20%	2.00
3. Focal Points Amritsar, .. All other Industrial Focal Points/ Industrial Areas, Estates/any other cluster developed by the Government or its agencies, Corporations and focal point areas which are outside the municipal limits of Jalandhar, Ludhiana and Mohali	33%	2.00

### IN 12.4 (v) Generating Set Subsidy

This Subsidy shall be admissible upto 25% of the total purchase price of the generating set to a maximum of Rs. 50,000 on the sets purchased and installed on or after 1st April, 1989. This subsidy shall be available for such sets which are financed by Financial Institutions/Nationalised Banks. A sum of Rs. 50.00 lacs has been provided for 1992-93 for this scheme.

### (vi) Reimbursement of Octroi/terminal tax and Electricity charges etc :

The scheme of Octroi refund/terminal tax aims at helping the new Industrial units subsidising the cost of raw material brought in the areas of Municipal Corporations/Committee so as to encourage industry. As per Industrial policy the unit set up before 1st April, 1987 will be eligible for claiming the Reimbursement of octroi/terminal tax paid by them. An outlay of Rs. 50.00 lacs has been provided for 1992-93 for this scheme.

### "Area Specific Schemes"

### IN 3.10 (ii) Setting up of Common Effluent Treatment Plant for Small Scale units (C. S. 50:50)

8.56 An outlay of Rs. 100.00 lacs has been provided for Annual Plan 1992-93 for Pollution control Programme in the State. Out of this

provision, an amount of Rs. 50.00 lacs has been provided for a newly Centrally Sponsored Scheme namely "Setting up of Common Effluent Treatment Plant, to be taken up at Amritsar and Ludhiana to start with for Small Scale units, under this Programme, the funding Pattern of the new Scheme is as under :—

—Government of India	25% Share
—Punjab Government	25% Share
—Financial Institutions	40% Share
—Beneficiary	10% Share

#### **IN 4.4 Setting up of District level Marketing Complexes for Rural Tiny Industrial Products.**

8.57 This is a new Programme under which it is envisaged to provide marketing assistance for the marketing of products manufactured by the Rural Tiny Industries. It is envisaged to provide them a common shelter at the District Level for organising their temporary stalls to market the product manufactured by the Rural Tiny/Small Industrial Units. For this purpose, it is proposed to set-up Marketing Complexes to provide marketing assistance at the District Level and provision of Rs. 5.00

lacs has been made for the year 1992-93 for this scheme.

#### **Development of Sericulture**

##### **I.N. 9.1 Sericulture**

8.58 Sericulture is practised in the sub-montaneous areas of the state on a modest scale as subsidiary profession. During 8th Five Year Plan, a project for sericulture is being introduced in a big way in the sub-mountaneous areas of districts Gurdaspur, Hoshiarpur and Ropar to adopt sericulture as a full time profession. There is a target of 1000 acres to be brought under mulberry bush plantation as recommended by Central Silk Board. Out of 1000 acres, 500 acres will be brought under mulberry on private land and the rest 500 acres on Panchayati land which will be transferred to poor landless rearers on lease basis for rearing silk worms. Training in sericulture of 40 days duration shall be provided to the farmers and trainees shall be given stipend of Rs. 200.00 for this training. Subsidy shall be given to the farmers for raising mulberry plantation on private farms which will be Rs. 5000 per acre. Sericulture being rural based is a highly rural oriented industry. One acre of mulberry plantaion gives direct employment to five persons and with the implementation of this Project about 1000 families shall be benefitted. The proposal is to set up a Modern Silk Grainage Chawaki Centre and a Semi Automatic Reehng Unit besides imparting training facilities to rearers in the existing form. An outlay of Rs. 10.00 lacs has been provided for 1992-93 for this project.

ANNEXURE-A  
PUNJAB STATE INDUSTRIAL  
ANNUAL PLAN 1992—93  
PSIDC's Contribution in

Serial No.	Name of the Project/Company	Investment Sector/ Expected date of Completion	Capital Cost (Esti- mated)	Total Equity	Term Loans from Finan- cial Institution
1	2	3	4	5	6
<b>A. Electronic/Electrical Projects</b>					
1	Electronic Tlx Machine. (Modi Business Machines Ltd.)	.. Joint 1993	400.00	160.00	240.00
2	Facsimile Equipment (Northern Digital Exchanges Ltd.)	.. Joint 1993	500.00	200.00	300.00
3	Electronic Switches & Connectors	.. Assisted 1993	900.00	400.00	500.00
4	Printed Circuit Boards (Hi-tech.)	.. Joint 1994	1000.00	400.00	600.00
5	Auto Electricals	.. Joint 1994	1000.00	400.00	600.00
6	Electronic Weighing Machines and Systems	.. Joint 1994	1000.00	400.00	600.00
7	Electronic Power Supplies and Power Plants	.. Joint 1993	400.00	160.00	240.00
Total			5200.00	2120.00	3080.00
<b>B. Textile Projects:</b>					
1	2400 Worsted Spindles at Kohara District Ludhiana	.. Joint 1993	435.00	174.00	200.00
2	2400 Worsted Spindles at Sahnewal District Ludhiana	.. Assisted 1993	435.00	174.00	201.00
3	2400 Worsted Spindles at Hunmbran District Ludhiana	.. Assisted 1994	435.00	174.00	261.00
4	2400 Worsted Spindles at Ahmedgarh, District Sangrur	.. Joint 1994	435.00	174.00	200.00
5	4800 Worsted Spindles at Chheharata, District Amritsar	.. Joint 1994	1200.00	480.00	720.00
6	25000 Spindles Cotton/Synthetic Spg. Mill Fazilka District Ferozepur	Joint 1995	4000.00	1000.00	2400.00
7	25000 Spindles Cotton/Synthetic Spg. Mill at Goindwal Sahib, District Amritsar	Joint 1995	4000.00	1000.00	2400.00
8	25000 Spindless Cotton/Joint Synthetic spg. Mill at Bhiwanigarh District Sangrur	Joint 1995	4000.00	1600.00	2400.00
9	25000 Spindles Cotton/Synthetic spg. Mill, Winsom Yarns Ltd., Phase-I, at Dera Bassi, District Patiala	Joint 1995	2000.00	800.00	1200.00
10	25000 Spindles Cotton/Synthetic spg. Mill at Dera Bassi, Patiala (Goyal Spinners Ltd.)	Joint 1995	4000.00	1200.00	1800.00
11	25000 Spindles Cotton/Synthetic spg. Mill at Barnala, District Sangrur (Abhishek Industries Ltd.)	Joint 1995	3215.00	1465.00	1750.00
12	2500 Spindles Cotton/Joint Cotton spg. Mill at Ferozepur	Joint 1995	4000.00	1200.00	1800.00
13	Blended Fabrics unit project at Goindwal Sahib (Welfab India Ltd.)	Joint 1992	1000.00	400.00	600.00
14	500 Power Looms at Doraha District Ludhiana Phase-I	.. Joint 1995	1000.00	400.00	600.00
15	Acrylic Fibres (Indian Acrylics Ltd.)	.. Assisted 1991	19024.00	—	—
Total			49179.00	11441.00	16714.00

## DEVELOPMENT CORPORATION LTD. CHANDIGARH

## Equity Capital during

(Rs. in lacs)

Total Equity by PSIDC	1992-93	1993-94	1994-95	1995-96	1996-97	Emp. (Persons)	Status
7	8	9	10	11	12	13	14
63.00	12.00	51.00	—	—	—	100	LI, FC & CG Approval Obtained
80.00	10.00	70.00	—	—	—	100	LI Applied
80.00	40.00	40.00	—	—	—	400	SIA Regn. Obtd.
156.00	10.00	46.00	100.00	—	—	250	Ditto
156.00	5.00	51.00	100.00	—	—	300	Ditto
156.00	5.00	51.00	100.00	—	—	200	Ditto
63.00	10.00	53.00	—	—	—	80	Ditto
754.00	92.00	362.00	300.00	—	—	1430	
66.55	5.00	61.55	—	—	—	400	Regn. Obtd.
17.40	5.00	12.40	—	—	—	250	Ditto
17.40	3.00	5.00	9.40	—	—	250	Ditto
66.55	5.00	20.00	41.55	—	—	250	Ditto
183.56	3.00	50.00	130.56	—	—	350	Regn. being Applied
823.53	200.00	200.00	200.00	223.53	—	700	Regn. Obtd.
823.53	200.00	200.00	200.00	223.53	—	700	LI Applied
466.66	100.00	100.00	100.00	166.66	—	700	Regn. Obtd.
306.00	75.00	231.00	—	—	—	400	LI Obtd.
459.00	5.00	150.00	150.00	154.00	—	700	Regn. Obtd.
471.00	171.00	150.00	150.00	50.00	—	700	Regn. Obtd.
459.00	50.00	150.00	150.00	109.00	—	700	Ditto
153.00	20.00	—	—	—	—	300	Proj. under Imple
453.00	50.00	25.00	25.00	53.00	—	300	LI Obtd.
815.00*	Project likely to be Commissioned by December, 1991				—	800	Proj. under Imple.
5281.18	892.00	1354.95	1156.51	979.72	—	7500	

Serial No.	Name of the Project/Company	Investment Sector/ Expected dt. of Completion	Capital Cost (Esti- mated)	Total Equity	Term Loans from Finan- cial Ins- titutions
1	2	3	4	5	6
<b>C. Mechanical Projects:</b>					
1	Cold Rolled Formed Sections (MBS India Ltd.)	.. Joint 1993	386.00	160.00	226.00
2	Copper Foils/Clad Laminates (Insulez (Pb) Ltd.)	.. Joint 1994	2000.00	800.00	1200.00
3	Automotive Filters	.. Joint 1994	400.00	160.00	240.00
4	Brake-lining & Clutch Facings (Hi-tech Brake Linings India Ltd.)	.. Joint 1994	650.00	260.00	390.00
5	Autogears	.. Assisted 1993	320.00	128.00	192.00
6	Cold Formed	.. Joint	280.00	112.00	168.00
7	Steel Files & Rasps	.. Assisted 1993	300.00	120.00	180.00
8	Track Chains & Roller Assemblies	.. Joint 1994	375.00	150.00	225.00
9	Hot Rolled Steel Strips (Wide Width)	.. Joint 1995	40000.00	16000.00	24000.00
10	Bimetal Strips and Bearings	.. Joint 1995	850.00	340.00	510.00
11	Malleable Casting	.. Joint 1994	200.00	80.00	120.00
12	Iron Powder & Sintered Metal Components	.. Joint 1995	800.00	320.00	480.00
13	Auto Pistons	.. Joint 1993	500.00	200.00	300.00
14	Bonded Abresive	.. Joint 1994	1000.00	400.00	600.00
15	Steering Gears Assembly	.. Joint 1994	850.00	340.00	510.00
16	Bead Wire	.. Joint 1994	1200.00	500.00	700.00
17	High-Tech Boilers	.. Joint 1994	850.00	340.00	510.00
18	Sponge Iron	.. Joint 1994	5400.00	2160.00	3240.00
19	Pig Iron	.. Joint 1994	7400.00	2960.00	4440.00
20	Steel Complex (Split location)]	.. Joint 1994	(11000.00) 48500.00	(4400.00) 19400.00	(6600.00) 29100.00
			(out of which 11000.00 will be in Punjab)		
<b>Total</b>			<b>74761.00</b>	<b>29930.00</b>	<b>44831.00</b>
*10% promoters contribution assumed through mutual funds also.					
<b>D. Chemical / Pharmaceutical Projects:</b>					
1	Hydrazine Hydrate (HPL Chemicals Ltd.)	.. Joint 1992	850.00	340.00	510.00
2	HDPE Drums	.. Joint 1994	1500.00	600.00	900.00
3	Medium Density Fibre Board. (Hindustan Board Ltd.)	Joint 1995	8000.00	3200.00	4800.00
4	Poly Propylene Staple Fibre (Auro Poly Fibres Ltd.)	.. Joint 1993	2500.00	1000.00	1500.00
5	Toners & Developers Alpha Reprographics Ltd.	.. Joint 1993	2000.00	800.00	1200.00
6	Pb. Alkalies & Chemicals, EDC, Membrane	.. Joint 1995	15000.00	6000.00	9000.00
7	Benzaldehyde	.. Joint 1993	450.00	180.00	270.00
8	BOPP Self Adhesive Tapes	.. Joint 1994	500.00	200.00	300.00
9	Co-extruded Multi Layer Film	.. Joint 1994	500.00	200.00	300.00
10	Carbitol/ Cellosolve	.. Joint 1993	500.00	200.00	300.00
11	Nitrocellulose Amrit Cellulose Ltd.	.. Joint 1993	1183.00	473.00	710.00
12	Writing & Printing Paper	.. Assisted 1995	30000.00	12000.00	18000.00
13	Sheet Glass	.. Assisted 1993	1500.00	600.00	900.00
14	Linear Alkyl Benzene. (Hindustan Levers Ltd.)	.. Joint 1996	23500.00	9400.00	14100.00

Total Equity by PSIDC	1992-93	1993-94	1994-95	1995-96	1996-97	Emp. (Persons)	Status
7	8	9	10	11	12	13	14
65.00	20.00	30.00	—	—	—	200	Proj. under Imple
312.00	12.00	150.00	150.00	—	—	300	Proj. under Imple
63.00	15.00	30.00	18.00	—	—	200	Regn. Obtd.
125.00	30.00	40.00	30.00	—	—	125	LI Obtd.
13.00	7.00	6.00	—	—	—	160	SIA Obtd.
44.00	2.00	32.00	10.00	—	—	60	Ditto
12.00	6.00	6.00	—	—	—	225	Ditto
62.50	3.00	20.00	39.50	—	—	150	Ditto
6120.00	20.00	2000.00	2000.00	2100.00	—	1500	LI Applied
162.50	8.00	30.00	65.00	59.50	—	200	SIA Obtd.
30.00	5.00	7.00	18.00	—	—	200	Applied fr
152.50	4.00	35.00	75.00	—	—	200	Ditto
92.50	2.00	30.00	50.00	—	—	150	SIA Filed
192.50	5.00	45.00	105.00	—	—	300	Ditto
162.50	8.00	30.00	65.00	—	—	150	SIA Filed
188.00	5.00	83.00	100.00	—	—	125	LI Obtd.
162.50	8.00	30.00	65.00	—	—	150	SIA Filed
841.00	41.00	400.00	400.00	—	—	350	No Regn Lc. Regd.
1132.00	32.00	500.00	600.00	—	—	425	Mou Signed Lc Not Reqd.
1122.00*	22.00	500.00	600.00	—	—	350	Mou Signed Lc. Not Regd
5054.05	255.00	4004.00	4390.50	2159.50	—	5670	
88.00	35.00	—	—	—	—	200	Proj. under Imple,
229.00	5.00	115.00	109.50	—	—	100	SIA Obtd.
1224.00	300.00	500.00	424.00	—	—	500	Proj under Imple,
260.00	20.00	240.00	—	—	—	200	LI Obtd.
208.00	50.00	158.00	—	—	—	100	Proj. under Imple,
3.000.00	750.00	750.00	750.00	750.00	—	300	SIA Regn. Obtd. (PUE)
68.85	20.00	48.85	—	—	—	100	Proj. under Imple,
76.50	5.00	58.00	13.50	—	—	100	Ditto
76.00	5.00	58.00	13.50	—	—	150	Ditto
75.00	5.00	70.00	—	—	—	100	Ditto.
150.00	50.00	100.00	—	—	—	250	Ditto
180.00	75.00	525.00	600.00	600.00	300.00	600	LI Appl. for
90.00	10.00	80.00	—	—	—	250	SIA Obtd.
2500.00	5.00	95.00	700.00	900.00	800.00	1300	LI Obtd.

Serial No.	Name of the Project/Company	Investment Sector/ Expected date of completion	Capital Cost (Estimated)	Total Equity	Term Loans from Financial Institutions
1	2	3	4	5	6
15	Sunflower Seed Processing (Oswal Agro Oils Ltd.)	.. Assisted 1993	3300.00	1320.00	1980.00
16	Poly Vinyl Alcohol	.. Joint 1996	1800.00	720.00	1080.00
17	PVC Integral Skin (Doctor Woods Ltd.)	.. Joint 1994	1000.00	400.00	600.00
18	Free Foamed Board (Gobind Wood Plast Ltd.)	.. Joint 1994	1200.00	480.00	720.00
19	Furfural Based Basic Hindustan Drugs	.. Joint 1993	250.00	100.00	150.00
20	Ampicilin Sodium Sterile (Punjab Antibiotics Ltd.)	.. Joint 1993	800.00	320.00	480.00
21	Composite Poultry Processing	.. Joint 1993	900.00	360.00	540.00
22	Vitamin-C and Sorbitol Project	.. Joint 1995	2200.00	880.00	1320.00
23	Tetracycline/Oxytetracycline	.. Joint 1996	2100.00	840.00	1260.00
24	Ephedrine Hcl. Calcium Lactate/Lactic Acid	.. Joint 1993	500.00	200.00	300.00
25	Pencillin 'G'	.. Joint 1996	12000.00	4000.00	8000.00
26	Rifampicin Basic Stage	.. Joint 1995	5000.00	2000.00	3000.00
27	Vaccine Project (Viral/Bacterial) (Inde Biologicals Ltd.)	Joint 1994	1500.00	600.00	900.00
28	Nitro Chloro Benzene Series	.. Joint 1993	800.00	320.00	480.00
29	DL-2 Amino Butanol	.. Joint, 1994	1000.00	400.00	600.00
30	Sugar Mill Kapurthala	.. Joint, 1995	4000.00	1600.00	2400.00
31	Sugar Mill Harchowal (Bababkala)	.. Joint, 1995	4000.00	1600.00	2400.00
32	Integrated Basmati Paddy Processing	.. Joint, 1995	2900.00	1160.00	1740.00
33	PVC Films and Foils Pioneer Films & Foils	.. Joint, 1993	600.00	240.00	360.00
34	Citric Acid	.. Joint, 1995	3000.00	1200.00	1800.00
35	Lactose/Casein	.. Joint, 1995	3000.00	1200.00	1800.00
36	Amino Diol	.. Joint, 1996	2000.00	800.00	1200.00
37	Picolines & derivatives	.. Joint, 1996	1200.00	400.00	800.00
Total			143033.00	56333.00	86700.00
1 Projects under different stages of implementation covered under head A to D numbering 79			272173.00	99824.00	151325.00
2 Projects under investigations for which Mou's have been signed or are under preliminary examinations			—	—	—
3 Investment in private sector (under new policy)			—	—	—
4 Requirement of funds for assistance to promoted company to meet expansion/urgent fund requirement			—	—	—
5 Margin money requirement under IDBI refinance scheme Total No. of sanction 367			—	—	—
6 Net total of 1 to 5			—	—	—
7 Resource mobilisation through dividends, disinvestments and annual surpluses			—	—	—
8 Net fund requirement (6—7)			—	—	—

Total Equity by PSIDC	1992-93	1993-94	1994-95	1995-96	1996-97	Emp. (Persons)	Status
7	8	9	10	11	12	13	14
198.00	98.00	100.00	—	—	—	1000	Proj. under Imple.
253.40	2.00	50.00	50.00	100.00	73.40	250	SIA Obtd.
153.00	3.00	50.00	100.00	—	—	100	Proj. under Imple.
184.00	5.00	85.00	94.00	—	—	100	Ditto
38.00	2.00	36.00	—	—	—	150	SIA Obtd.
83.00	30.00	53.00	—	—	—	150	Proj. under Imple.
94.00	40.00	54.00	—	—	—	200	Ditto
228.00	20.00	50.00	75.00	83.00	—	200	SIA Obtd.
218.00	10.00	50.00	75.00	83.00	50.00	200	LI Obtd.
75.00	75.00	—	—	—	—	150	SIA Obtd.
1248.00	28.00	150.00	350.00	500.00	220.00	300	LI/FC Filed
520.00	10.00	60.00	225.00	225.00	—	300	SIA Being Filed
156.00	50.00	50.00	56.00	—	—	200	Proj. under Imple.
83.00	30.00	53.00	—	—	—	100	LI Obtd.
104.00	5.00	45.00	54.00	—	—	150	SIA Obtd.
840.00	12.00	200.00	200.00	200.00	228.00	800	LI Appl. for
840.00	12.00	200.00	200.00	200.00	228.00	800	LI Appl. for
614.00	14.00	200.00	200.00	200.00	—	800	Ditto
120.00	10.00	70.00	40.00	—	—	100	Proj. under Imple.
312.00	2.00	10.00	150.00	150.00	—	200	—
312.00	2.00	10.00	150.00	150.00	—	200	—
208.00	—	8.80	10.00	90.00	100.00	150	—
124.80	—	4.80	20.00	50.00	50.00	150	—
16852.05	1795.00	4387.45	4659.50	6330.40	2049.40	11000	
27941.73	3034.00	10108.40	10506.51	9469.62	2049.40	25600	(Person)
4500.00	800.00	850.00	900.00	950.00	1000.00	5500	
2500.00	500.00	500.00	500.00	500.00	500.00	7500	
750.00	100.00	125.00	150.00	175.00	200.00	500	
6885.00	925.00	1110.00	1330.00	1600.00	1920.00	7500	
42576.73	5359.00	12693.40	12386.51	12399.62	5669.40	46600	(Person)
3155.00	595.00	610.00	630.00	650.00	670.00	—	
39421.73	4764.00	12083.40	11756.61	11749.62	4999.40	—	



## ANNUAL PLAN

## PROJECTS UNDERTAKEN/TO BE UNDERTAKEN BY PUNJAB STATE

S. No.	Name of the Project/Scheme	Annual Capacity	Status of the Project	Date of Start	Exp. date of completion	Latest cost estimate		
						Total cost	Equity	Debt
1	2	3	4	5	6	7	8	9
1	Cellular Telephones/ Cordless Telephones/ Area Radio Pagers & Paging Systems.	Rs. 600 Crores	Agreement has been signed with foreign collaborator from Hong-kong for the import of Drawings & designs for Cordless Telephones. Collaborators have been requested to supply samples for submission to TEC by September, 1991.	January, 1990	March, 1994	2100	700	140
2	Microwave Ovens/ Dishwashers & Washing Machines	30000 Nos. 1 Lac Nos 1 lac Nos	Technical know how agreement signed with Amana, USA, & submitted to Government of India for approval.  Vendors have been developed for most of the locally available components.	January, 1991	March, 1993	1200	400	800
3	Silver Zinc, Nt. Cd. Pocket Plate Batteries	7.5 Laos Units.	Foreign collaboration approved with Tridex of Hungary and RBI approval is likely to be received shortly.	1990	December, 1993	720	240	480
4	512-Port Exchange Upto 2000 Lines (C-DOT) Packet Switching Net-working Carrier Systems.	Rs. 60 Crores.	Technology arranged (C-DOT)  Proto-type ready, offered for inspection.	1990	June, 1993	1680	560	1120
5	Mini Links	Rs. 30 Crores.	Foreign Collaboration signed.	January, 1991	June, 1993	1500	500	1000
6	Aluminium Etched Film for Electrolytic. Capacitors & Alu- minium Electrolytic Capacitors.	Rs. 30 Crs.	Company formed Financial collaborator selected. PAB approval obtained.	Feb. 1991	March, 1993	2040	680	1360
7	Video Magnetic Tapes	3000 MRM.	Negotiations with foreign Cos. are in progress	July, 1991	July, 1993	2880	960	1920
8	Large Exchanges 16000 ESS.	Rs. 120 Crs.	Agreement signed with Fujitsu/ Mitsubishi, Japan.	July, 1991	June, 1994	12000	4800	7200
9	VCP/VCR/Video Deck.	2,50,000 Nos.	Negotiations with foreign collaborator are in progress.	July, 1991	June, 1994	10000	4000	6000
10	Op al Fibre Cables atic Communication systems.	Rs. 100 Crs.	Negotiations going on with Japanese Companies.	July, 1991	June, 1994	10000	4000	6000
Total						44120	16840	27280

1992-93

## ELECTRONICS DEVELOPMENT &amp; PRODUCTION CORPORATION LIMITED

(Rs. in lakhs)

Name of Pvt. Sector Participation	Joint Sector/Assisted Sector 100% owned		1990-91	1991-92	Sales turnover		Proposed Outlay
	Extent of participation by PSEDPCL	Equity to be provided by PSEDPCL	Actuals	Anticipated	91-92	92-93	1992-93
					Anticipated	Estimated	
10	11	12	13	14	15	16	17
Joint Sector Foreign Collaborator 51%	26%	182	35	56	—	—	50
Assisted Sector.	10%	40	14	21	—	—	5
Public	100%	240	50	100	—	—	90
Public	100%	560 (250 from internal accruals)	—	150	—	—	160
Joint Sector Foreign Collaborator 51%	26%	130	—	48	—	—	48
Joint Sector Foreign Collaborator-51%	26%	177	—	19	—	—	58
Joint Sector Foreign Collaborator-51%	26%	250	—	80	—	—	70
Joint Sector Foreign Collaborator-49%	51%	2400	—	40	—	—	1000
Joint Sector Foreign Collaborator-51%	26%	1100	—	—	—	—	100
Joint Sector Foreign Collaborator--51%	26%	1100	—	—	—	—	100
							1681

## ANNEXURE

## STATEMENT

## PUNJAB STATE ELECTRONICS DEVELOPMENT AND

Annual Plan 1992-93

Serial No.	Name of the Project	Annual Capacity	Status of the Project	Date of Start	Exp. date of completion	Latest cost estimate		
						Total	Equity	Debt
1	2	3	4	5	6	7	8	9
1	Large Exchanges 16000 ESS	Rs. 1.20 Crores	Agreement signed with Fujitsu/Mitsubishi, Japan	July 91	June 94	12000	4800	7200
2	VCP/VCR/Video Deck	2,50,000 Nos.	Negotiations with foreign collaborator are in progress	July 91	June 94	100000	4000	6000
3	Fibre Optics Cables & Communication system	Rs. 100 Crores	Negotiations going on with Japanese Companies	July 91	June 94	10000	4000	6000
4	Hard Disc Drivers/ Quartz Crystals/ Quartz Watches	250 Lacs Nos. 120 Lacs Nos. 100 Lacs Nos.	Negotiations with foreign collaborator are in progress	94	97	20000	6150	13850
5	Liquid crystal Displays	Rs. 350 Crores	Under investigation	94	97	20000	8000	12000
6	Mini Links	Rs. 30 Crores	Foreign Collaboration signed	January 91	June 93	1500	500	1000
7	Aluminium Etched Film for Electrolytic Capacitors and Al. Electrolytic Capacitors	Rs. 30 Crores	Company formed Financial collaborator selected PAB approval obtained	February 91	March 93	2040	680	1360
8	Video Magnetic tapes	3000 MRM	Negotiations with foreign companies are in progress	July 91	July 93	2880	960	1920
9	Others	Rs. 800 Crores	Under Investigation	95	—	20000	8000	12000
10	Rural Electronics	Rs. 25 Crores	Phase Manufacturing Plan got approved Manufacture of Capital equipment is being localised	April 91	1997	1800	600	1200
11	Cellular Telephones/ Cordless Telephones/ Area Radio Pagers/ Paging Systems	Rs. 600 Crores	Agreement has been signed with foreign collaborator from Hongkong for the import of Drawings and designs for Cordless Telephones. Collaborator has been requested to supply samples for submission to TEC by September, 1991	January 90	March 94	2100	700	1400
12	Microwave ovens/ Dishwashers and Washing Machines,	3000 Nos. 1 lac Nos. 1 Lac Nos.	Technical know-how agreement signed with Amana, USA and submitted to Govt. of India for approval Vendors have been developed for most of the locally available components	January 91	March 93	1200	400	800
13	Silver Zinc, NL. Cd. Pocket Plate Batteries	7.5 Lacs Units	Foreign collaboration approved with TRIDEX of Hungary and RBI approval likely to be received shortly	1990	December 93	720	240	480
14	5121 Port Exchange upto 2000 Litres (C-DOT) Packet Switching Networking Carries System	Rs. 60 Crores	Technology arranged (C-DOT) Proto-type ready, offered for inspection	1990	June 93	1680	560	1120
Total						105920	39590	66330

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PRODUCTION CORPORATION LIM/TED

(Rs, in lacs)

Equity capital contribution by Govt-						Total 8th 5 Year Plan (1992-97)	Employment details during operation	Expected annual turn-over	PSEDFC'S share in share capital
Upto 91-92	92-93	93-94	94-95	95-96	96-97				
10	11	12	13	14	15	16	17	18	19
40 (Provisional)	1000	1360	—	—	—	2360	6000	10000	51%
—	100	250	750	—	—	1100	4000	20000	26%
—	100	250	750	—	—	1100	4000	8500	26%
—	—	—	100	750	750	1600	6000	40000	26%
*13 (*Nominal Pro made)	—	—	300	700	1000	2000	5000	30000	26%
48 (Provisional)	48	34	—	—	—	82	250	2400	26%
19 (Provisional)	58	100	—	—	—	158	400	2400	26%
80 (Provisional)	70	100	—	—	—	170	300	4320	26%
—	—	—	—	450	400	850	6000	60000	26%
105	—	120	120	120	120	480	1100	2000	100%
90-36 (including prov. of Rs-56 Lacs for 91-92)	50	41	—	—	—	91	500	48000	26%
35 including prov. of Rs. 21 Lacs for 91-92)	5	—	—	—	—	5	340	25000	10%
150 (including prov. of Rs. 100 Lacs for 91-92)	90	—	—	—	—	90	50	2100	100%
150 (Provision for 91-92)	160	—	—	—	—	160	300	2520	100%
730-36	1681	2255	2020	2020	2270	10246	34240	257240	

## ANNUAL PLAN—1992-93

## ANNEXURE

## STATE PLAN SCHEMES

(Rs. in lakhs)

Name of the Scheme Major Head/ Minor Head	1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual expen- diture	Approved outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	
<b>Industry and Minerals 106000000</b>						
<b>Village and Small Industries—106285100</b>						
<b>1. Direction and Administration 001</b>						
IN 1.1	District Industries Centres (C.S.)	91.29	100.00	109.50	130.00	45.00
IN 1.2	Setting up of Women Entrepreneur Cell	—	2.50	—	Dropped	—
	Total 001	91.29	102.50	109.50	130.00	45.00
<b>2. Training 003</b>						
IN 2.1	Training of Staff and Visit to Industries in Other States	—	2.00	0.50	3.00	—
	Total 003	—	2.00	0.50	3.00	—
<b>3. Research and Development 004</b>						
IN 3.1	Bicycle Research and Development Centre, Ludhiana	—	60.00	60.00	—	—
IN 3.2	Sewing Machine Research and Development Centre, Ludhiana	—	20.00	20.00	46.00	28.00
IN 3.3 (a)	New UNDP Projects	10.00	145.00	—	—	—
	(b) Economic Package					
	(i) Research and Development Centre for Electrical Appliances/Goods, Rajpura	—	1.00 (Token)	8.00	2.50	2.50
	(ii) Research & Development Centre for Re-Rolling Industry, Gobindgarh	—	1.00 (Token)	—	1.00	1.00
	(iii) Research and Development Centre for Rubber Products, Jalandhar	—	1.00 (Token)	1.00	36.00	36.00
IN 3.4	Modernisation of Small Scale Industries*	—	2.00 (Staff component)	—	—	—
IN 3.5	Incentives for Standardisation, Productivity, New Inventions/Innovations, Quality certification and participation in centrally assisted development projects (assistance) Incentives for Technology upgradation	29.77	20.00	16.00	20.00	—
IN 3.9	Productivity Awards	2.02	—	—	—	—
	—CFTRI Building	—	—	—	—	—
IN 3.10	Pollution Control Scheme*	20.00	—	—	—	—
IN 3.11	Setting up of Technology Information and Data Bank	—	10.00	7.00	50.00	50.00
	Total 004	61.79	260.00	112.00	155.50	117.50

## ANNUAL PLAN 1992-93

## ANNEXURE

## STATE PLAN SCHEMES

(Rs. in lakhs)

Name of the Scheme/Major Head/Minor Head		1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1		2	3	4	5	6
<b>4. Industrial Estates 101</b>						
IN 4.1	Infrastructural Development—Punjab Small Industries and Export Corporation including infrastructure work of other Corporations	—	300.00	503.67	700.00	700.00
IN 4.2	Development of Goindwal Nucleus Industrial Complex	—	80.00	56.00	30.00	30.00
	Total 101	—	380.00	559.67	730.00	730.00
<b>5. Small Scale Industries 102</b>						
IN 5.1	Participation in Industrial Fairs/Buyer-Seller Meets/Marketing Assistance	11.00	10.00	—	10.00	—
IN 5.2	Publicity	3.99	10.00	7.50	10.00	—
IN 5.3	Quality Control Order on Household Electrical Appliances	10.00	10.00	—	10.00	10.00
IN 5.5	Industrial Potential Survey	—	1.00 (Token)	—	—	—
	Total 102	24.99	31.00	7.50	30.00	10.00
<b>6. Handloom Industry 103</b>						
IN 6.1	Marketing Development Assistance Scheme (C.S)	6.23	15.00	7.00	25.00	—
IN 6.2	Punjab State Handloom and Textile Development Corporation (PUNTEX)	—	0.50 (Token)	—	Dropped	—
IN 6.3	Punjab State Hosiery and Knitwear Development Corporation	25.00	50.00	20.00	100.00	100.00
IN.6.5	Providing Stipends to the Trainees of Powerloom in Powerloom Service Centre, Amritsar	—	0.50	0.50	—	—
IN.6.6	Development of Cotton Hosiery Complex, Abohar through Hosiery & Knitwear Development Corporation	—	5.00	—	—	—
	Total 103	31.23	71.00	27.50	125.00	100.00
<b>7. Handicraft Industry 104</b>						
IN.7.1	(a) Setting up of Handicraft Village } (b) Imparting training to artisans in Handicraft }	2.52	10.00	2.40	10.00	—
	Total 104	2.52	10.00	2.40	10.00	—

## ANNUAL PLAN 1992-93

## ANNEXURE

## STATE PLAN SCHEMES

(Rs. in lacs)

Name of the scheme/Major Head/Minor Head	Annual Plan 1991-92			Annual Plan 1992-93		
	1990-91 Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	
1	2	3	4	5	6	
<b>8. Khadi &amp; Village Industries 105</b>						
IN.8.1	Strengthening of Punjab Khadi and Village Industries Board	—	—	—	10.00	—
	Total 105	—	—	—	10.00	—
<b>10. Composite V &amp; SI Cooperatives 110</b>						
IN.10.1	Participation in the share capital of Industrial Cooperatives Including Apex Handloom/Primary Handloom & Primary Handloom Weavers Coop. Soc.	8.10	15.00	15.00	20.00	20.00
IN.10.3	Market Development Assistance & Rebate to Apex Handloom and Primary Handloom Weavers Coop. Societies	38.02	25.00	25.00	30.00	—
IN.10.4	Assistance as share capital to Apex Handloom Coop. Soc. for Setting up of Processing Units/ Shoddy Spinning Plants/Regional Godowns	1.50	52.50	52.50	52.50	52.50
	Total 110	47.62	92.50	92.50	102.50	72.50
<b>11 Employment Programme 111</b>						
IN.11.3	Employment Generation Programme through Village/Rural Industrialisation.	—	4.00	—	—	—
	Total 111	—	4.00	—	—	—
	Total V&SI 1062851—00	259.44	953.00	911.57	1296.00	1075.00
<b>Industries (other than V and SI) 1062852—00</b>						
IN.12.1	Punjab Financial Corporation	500.00	750.00	750.00	750.00	750.00
IN.12.2	Punjab State Industrial Development Corporation	889.90	1050.00	1050.00	1480.00	1480.00
IN.12.3	Goindwal Industrial and Investment Corporation	100.00	100.00	100.00	50.00	50.00
IN.12.4 (vii)	Reimbursement of octroi/* terminal tax and Electricity charges etc.	59.07	—	—	—	—
IN.12.5	Establishment of Growth Centres	—	200.00	150.00	400.00	400.00
	Total	1548.97	2100.00	2050.00	2680.00	2680.00
IN.13.1	Setting up of Chemical Cell	—	1.00	—	—	—
	Total	—	1.00	—	—	—
<b>14 Telecommunications and Electronics Industry 107</b>						
IN.14.1	Punjab State Electronics Development and Production Corporation	292.78	700.00	700.00	950.00	950.00
	(ii) Setting up of Electronics Research & Development Centre at Mohali	280.00	100.00	95.80		
	Total 107	572.78	800.00	795.80	950.00	950.00

**ANNUAL PLAN 1992-93**  
**ANNEXURE**  
**STATE PLAN SCHEMES**

(Rs. in lacs)

Name of the Scheme/Major Head/ Minor Head	Annual Plan 1991-92			Annual Plan 1992-93	
	1990-91	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6
<b>15 Consumer Industry 08</b>					
IN.15.1 Punjab State Leather Development Corporation	—	—	—	—	—
(i) Setting up of Effluent Treatment Plant at Leather Complex, Jalandhar	25.00	—	—	—	—
(ii) Improvement in the Earnings of Footwear artisans in Punjab assisted by ILO	50.00	50.00	50.00	8.00	8.00
(iii) Setting up of Testing Laboratory for Leather & Leather Goods at Jalandhar	10.00	10.00	10.00	6.00	6.00
(iv) Common Facility Centre at Leather Complex, Jalandhar	—	15.00	15.00	29.50	29.50
(v) Scheme for Creation of Production Facilities	—	—	—	16.50	16.50
Total 08	85.00	75.00	75.00	60.00	60.00
Total Industries (Other than V&SI) 1062852—00	2206.75	2976.00	2920.80	3690.00	3690.00
Total V&SI and Industries (Other than V&SI)	2466.19	3929.00	3832.37	4986.00	4765.00
<b>16 Regulation and Development of Mines 1062853—02</b>					
IN.16.1 Regulation of Mines & Minerals	—	Dropped	—	—	—
Total 1062853—02	—	—	—	—	—
<b>17 Other Economic Services 1103470—00</b>					
IN.17.1 Regulation of Weights & Measures	—	Dropped	—	—	—
Total 1103470—00	—	—	—	—	—
Grand Total 106000000	2466.19	3929.00	3832.37	4986.00	4765.00
<b>NEW SCHEMES</b>					
			Transferred to districts		
<b>'Industry &amp; Minerals'</b>					
<b>Village and Small Industries</b>					
IN.2.3 Assistance for training of multi disciplinary managers	—	—	—	2.00	—
IN.2.4 Setting up of EDP Training Programme	—	—	—	2.00	—
IN.3.3 (a) New UNDP Projects—	—	—	—	—	—
(i) Machine Tools Research & Development Centre, Batala	—	—	—	30.00	30.00
(ii) Automotive Parts Research & Development Centre, Ludhiana	—	—	—	29.00	29.00
(iii) Bicycle R&D Centre, Ludhiana, Phase-II	—	—	—	40.00	40.00
(b) Schemes/Projects to be implemented under Economic Package	—	—	—	1.00 (Token)	1.00
IN.3.13 Upgrading the Testing & Common Facilities Centre	—	—	—	10.00	10.00
IN.4.1 (ii) Industrial Promotion Programme through PSIEC	—	—	—	1.00	1.00
IN.10.5 Scheme for modernisation of Handloom in Co-operative Sector as share capital	—	—	—	5.00	5.00
Total V&SI	—	—	—	120.00	116.00
Industries (other than V&SI)	—	—	—	—	—
Total New schemes V&SI and Industries (other than V&SI)	—	—	—	120.00	116.00
Grand Total sub-head "Industries" State Plan Scheme	2466.19	3929.00	3832.37	5106.00	4881.00



## ANNUAL PLAN 1992-93

## ANNEXURE

## District Level Schemes

(Rs. in lakhs)

Name of the Scheme/Major Head/ Minor Head	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Sub-Head Industry : District Level Schemes</b>						
<b>Area Specific Schemes</b>						
IN 3.10	(ii) Setting up of Common Effluent Treatment Plant for Small Scale Units (C.S.)	—	50.00	45.00	50.00	50.00
IN 3.12	Hand Tool Institute, Jalandhar	14.86	—	—	—	—
IN 4.4	Setting up of District level Marketing Complexes for Rural Tiny Industrial Products	—	—	—	5.00	5.00
IN 6.7	Setting up of Daree Centre at Nakodar	—	2.00	2.00	—	—
IN 9.1	Development of Sericulture	17.97	4.00	4.00	10.00	7.00
	Total	32.83	56.00	51.00	65.00	62.00
<b>Beneficiary Oriented Schemes :</b>						
IN 3.4	Modernisation of Small Scale Units	14.20	110.00	102.34	79.00	—
IN 3.10	Pollution Control Scheme	—	50.00	47.50	50.00	50.00
IN 4.3	Setting up of Tiny Industrial Estates	—	50.00	50.00	—	—
IN 10.1	Participation in the share capital of Industrial Cooperatives including Apex Handloom/Primary Handloom and Primary Handloom Weavers Co-op. Societies	8.10	Transferred to State		—	—
IN 10.3	Market Development Assistance and Rebate to Apex Handlooms & Weavers Co-operative Societies	38.02	—	-do-	—	—
IN 10.4	Assistance as share capital to Apex Handloom Co-op. Societies for setting up Processing Units/Shoddy Spinning Plants/Regional godowns.	1.50	—	-do-	—	—
IN 11.1	Employment Programme for educated youth	130.45	20.00	20.00	—	—
IN 11.2	(i) Special Employment Programme	215.70	425.00	428.25	300.00	300.00
	(ii) Special Employment Programme for educated Youth (Exp. incurred through PFC)	2219.00	—	—	—	—
IN 12.4	(ii) Interest Free Loan	790.23	900.00	1394.00	900.00	900.00
	(iii) State Capital subsidy in lieu of Central Investment subsidy	476.53	350.00	526.00	350.00	350.00
	(iv) Land subsidy	45.10	150.00	110.50	150.00	150.00
	(v) Generating Set Subsidy	102.89	50.00	46.00	50.00	50.00
	(vi) Reimbursement of octroi/Terminal Tax, Electricity charges etc.	—	10.00	33.00	50.00	50.00
IN 12.6	Special Interest Subsidy in Border Districts	—	300.00	120.99	—	—
	Total	4041.72	2415.00	2878.58	1929.00	1850.00

## ANNUAL PLAN 1992-93

## ANNEXURE

## District Level Schemes

(Rs. in lakhs)

Name of the Scheme/Major Head/ Minor Head	Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93			
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Infrastructure Oriented Schemes :</b>						
IN 3.1	Bicycle Research & Development Centre, Ludhiana	.. 20.00		Transferred to State		
IN 3.2	Sewing Machine Research & Development Centre, Ludhiana	.. 6.50		-do-		
IN 3.6	Equipping and Modernisation of Industrial Development Centre	.. 5.00		dropped		
IN 3.7	Equipping & Modernisation of Quality Marking Centre	.. 6.74		-do-		
IN 3.8	Punjab Test House, Ludhiana	.. 5.00		-do-		
	Total	.. 43.24	—	—	—	
	Grand Total (District Level Schemes)	.. 4117.79*	2471.00	2929.58*	1994.00	1912.00
	Grand Total "Industry"	.. 6536.36*	6400.00	6472.80*	7100.00	6793.00

\*Provisional Expenditure.



## CHAPTER IX

### TRANSPORT AND TOURISM

The major objective of Transport Planning is to meet Transport needs of urban and rural areas and to provide transport infrastructure, necessary for the the growth of economy and accessibility to remote and backward areas. In the field of transport, the State Plan is mainly concerned with roads and road transport. There is small provision for Civil Aviation largely for construction of airfield and training purpose. Development of Tourism has also been included in this sector. In the Seventh Five Year

Plan (1985—90), an outlay of Rs. 184.20 crores has been approved for transport sector against the outlay of Rs. 113.25 crores during the Sixth Plan 1980—85. The sector wise break up of expenditure during Sixth Plan (1980—85) approved outlay and Expenditure during 7th Plan (1985—90) is given in the table below:—

Sr. No.	Sub-head	1980—85		1985—90		1990-91		1991-92		1992-93	
		Expd.	Outlay	Expd.	State level	Distt. level	State level	Distt. level	State level	Distt. level	
1	2	3	4	5	6	7	8	9	10	11	
1	Roads and Bridges ..	6133.83	9800.00	6337.33	628.00	982.00	820.00	1822.62	970.00	1530.00	
2	Road Transport ..	5135.34	8300.00	7703.08	1890.00	310.00	2440.83	166.20	2515.00	135.00	
3	Civil Aviation ..	83.47	120.00	81.17	60.00	—	100.00	—	80.00	—	
4	Tourism ..	156.00	200.00	275.83	150.00	—	177.50	—	52.00	—	
<b>Total</b>		11508.64	18420.00	14397.41	2728.00	1292.00	3538.83	1988.44	3617.00	1665.00	

Plan programmes in respect of each of these sub-heads are given below:—

#### Roads and Bridges :

9.2. The quantum of traffic on the Road system both for passengers and freight has shown a steady upward trend. The brunt of increased traffic is borne by the State Highways, which constitute in the main routes of this system in the State. Accordingly, there is a need for developing additional capacity of the roads for smooth functioning of the Road Transport system in the State. The targets and achievements of road kilometers of different kinds of roads for Seventh Plan are given as under:—

Sr. No.	Item	1985—90	
		Target	Achievement
1	2	3	4
1	National Highways ..	964	974
2	State Highways ..	1900	1963
3	Major districts roads ..	2100	2037
4	Other district roads ..	2550	2466
5	Village roads ..	26552	28539
<b>Total</b>		34066	44979

#### Seventh Five Year Plan :

9.3. The main programme under this sector includes main roads & missing links, improvement/widening of existing roads, Bridges, Bye-passes, roads within MC limits, Village roads etc. An outlay of Rs. 98.00 crores has been approved for implementing various programmes during 7th Five Year Plan which includes Rs. 37.60 crores for completion of spillover works under different programmes. This provision is proposed to be supplemented with funds from Marketing Board for construction and improvement of rural roads and for provision of missing links. An expenditure of Rs. 6337.33 lakhs was spent during Seventh Plan (1985—90) mainly for completion of spillover works under various programmes of this sub-head. The spillover requirement of funds under various development programmes of this sub-head by the end of 7th Plan is Rs. 23.30 crores. In Annual Plan 1990-91 a sum of Rs. 16.10 crores including Rs. 6.28 crores (Expd. 792.79 lakhs) transferred at district level has been provided mainly for completion of spillover works under various programmes of this sub-head. During 1991-92, an outlay of Rs. 21.50 crores including Rs. 13.30 crores for district level schemes has been provided mainly to complete spillover works. In Annual Plan 1992-93, an outlay of Rs. 25.00 crores has been Provided to continue this programme.

The details of programmes/schemes under this sub-head are as under:—

#### Machinery and equipment :

9.4. In order to cope with the enlarged road building activities and consequent maintenance programmes, an outlay of Rs. 200.00 lakhs was provided for the purchase of machinery during the Seventh Five Year Plan against which an expenditure of Rs. 145.84 lakhs has been incurred for purchase of Hot Milk Plants, Road Rollers, ten boilers and repair of the same machinery. In Annual Plan 1990-91 an outlay of Rs. 37.00 lakhs has been provided for this purpose. In Annual Plan 1991-92, an outlay of Rs. 60.00 lakhs (Exp. 12.95 lakhs) has been provided to replace and modernise the Machinery. In Annual Plan 1992-93, an outlay of Rs. 60.00 lakhs has been provided for this purpose.

#### Bridges :

9.5. Construction of bridges and culverts is a necessary requirement making roads fair-weather. An outlay of Rs. 1500.00 lacs was provided for completing 36 spillover works and for under-taking construction of 79 new works during Seventh Five Year Plan against which an expenditure of Rs. 1672.41 lakhs has been incurred. The spillover requirement of funds for 14 bridges under this scheme by the end of 7th Plan is Rs. 1555.00 lakhs. In Annual Plan 1990-91, an outlay of Rs. 550.00 lakhs (Expd. Rs. 711.79 lakhs) has been provided mainly for completion of spillover works. In Annual Plan 1991-92, an outlay of Rs. 650.00 lakhs (Exp. 717.68 lakhs) has been provided for completion of spillover bridges. In Annual Plan 1992-93 an outlay of Rs. 800.00 lakhs has been provided to continue the programme.

#### Central Road Funds :

9.6. This scheme is fed from the proceeds of levy on motor spirit. Allocations are made to the State for programmes approved by Ministry of Transport, Government of India. During Seventh Five Year Plan, an outlay of Rs. 400.00 lakhs was provided for the implementation of this programme against which an expenditure of Rs. 233.22 lakhs has been incurred. In Annual Plan 1990-91, an outlay of Rs. 70.00 lakhs (Expd. Rs. 80.00 lakhs) has

been provided under this scheme. In Annual Plan 1991-92, an outlay of Rs. 100.00 lakhs (Exp. 87.94 lakhs) has been provided under this scheme. In Annual Plan 1992-93, an outlay of Rs. 100.00 lakhs has been provided for this purpose.

#### Research and development, Field Training Labs and purchase of equipment :

9.7. Under this scheme, a research laboratory is proposed to be set up to evolve new and economical techniques of construction. It will help in analysing the field data required for the construction of roads/bridges etc. Building for this purpose has already been constructed and spade work in this direction has been initiated. During Seventh Five Year Plan, an outlay of Rs. 45.00 lakhs was provided for this programme against which an expenditure of Rs. 6.27 lakhs has been incurred. In Annual Plan 1990-91, an outlay of Rs. 8.00 lakhs (Expd. Rs. 1.00 lakhs) has been provided for this purpose. In Annual Plan 1991-92, an outlay of Rs. 10.00 lakhs (Exp. 0.43 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 10.00 lakhs has been provided for this purpose.

#### Road Transport :

9.8. Road Transport has been playing an important role in the economy of the State. Over the years there has been an increase in the share of road transport in the total traffic both for passengers and goods. The goods transport is mainly operated in the public sector and the private sector in the ratio of 50:50. In the Plan, the provision has been made only for the two public undertakings viz. Punjab Roadways and Pepsu Road Transport Corporation. Both the undertakings are at present running into losses. The main factor responsible for this situation is attributed to the increased cost of inputs in the road transport industry without corresponding increase in bus fares. Efforts, however, have been made to reduce losses by improving operational efficiency e. g. fleet utilisation, workshop facilities, route rationalisation and re-scheduling of bus timings etc. Their urgent requirement is replacement of old buses. The outlay and expenditure for Seventh Plan, an outlay of Annual Plan 1990-91, 1991-92 and Annual Plan 1992-93 for two undertakings are given below:—

Schemes	1985-90		1990-91		1991-92		1992-93	
	Outlay	Expd.	State level	Distt. level	Outlay		Approved outlay	
					State Level	Distt. level	State level	Distt. level
1	2	3	4	5	6	7	8	9
Punjab Roadways ..	5550.00	4213.00	1090.00	285.00	1590.83	166.20	1615.00	135.00
2. PRTC ..	2750.00	3490.00	800.00	—	850.00	—	900.00	—
Total ..	8300.00	7703.00	1890.00	285.00	2440.83	166.20	2515.00	135.00

**Punjab Roadways :**

9.9. The sanctioned fleet strength of Punjab Roadways is 2407 buses. During Seventh Five Year Plan, an outlay of Rs. 5,550.00 lakhs was provided for replacement of 1744 buses and for strengthening of workshop facilities and for opening of 2 sub-depots and Central workshops. Out of

Rs. 5,550.00 lakhs, an outlay of Rs. 4965.00 lakhs was approved for replacement of buses of Punjab Roadways. An expenditure of Rs. 3682.04 lakhs was spent for replacement of buses during 1985-90. The details of buses for Punjab Roadways, during Seventh Five Year Plan are given below:—

	1985-86	1986-87	1987-88	1988-89	1989-90
1	2	3	4	5	6
1. No. of buses due for replacement at the beginning of the year ..	124	193	540	578	681
2. No. of additional buses became due for replacement during the year ..	255	500	205	408	339
3. Total No. of buses due for replacement during the year ..	379	693	745	986	1020
4. Target for buses to be replaced during the year ..	190	190	200	157	249
5. No. of buses replaced during the year ..	186	153	167	305	258
6. No. of buses due for replacement at the end of the year ..	193	540	578	681	762(827)

9.10. In Annual Plan 1990-91, an outlay of Rs. 1090.00 lakhs including Rs. 1050.00 lakhs for replacement of 242 buses have been provided. In Annual Plan 1991-92, an outlay of Rs. 1590.83 lakhs has been provided including Rs. 1450.00 lakhs for replacement of 275 buses. In Annual Plan 1992-93, an outlay of Rs. 1615.00 lakhs has been provided for implementing the following programmes including Rs. 1450.00 lakhs for replacement of 287 buses. It is also proposed not to provide Funds for expansion programmes due to constraint of resources for this purpose., private operators may be encouraged to come forward.

(Rs. in lakhs)

Sr. No.	Item	Approved outlay 1992-93
1	2	3
1	Land and Building ..	95.00
2	Acquisition of fleet—	
	(i) Expansion ..	..
	(ii) Replacement ..	1450.00
3	Workshop facilities ..	40.00
4	Strengthening of Government Central workshops ..	30.00
	Total ..	1615.000

9.11. **Workshop facilities.**—An outlay of Rs. 40.00 lakhs has been provided in Annual Plan 1992-93, for purchase /replace the new/existing machinery for providing better workshop facilities in the State.

9.12. **Land and Building.**—Out of Rs. 200.00 lakhs provided for this purpose in the Annual Plan 1992-93, an outlay of Rs. 95.00 lakhs has been provided for works at Chandigarh and Delhi depots.

9.13. **Strengthening of Govt. Central Workshops.** It has been decided to strengthen the existing Government Central Workshops in order to cope with the repair and maintenance of all departments vehicles. For this purpose, an outlay of Rs. 30.00 lakhs has been provided in Annual Plan 1992-93.

**P. R. T. C. :**

9.14. In the Seventh Five Year Plan, the State Government has approved Rs. 2750.00 lakhs as share capital contribution to the Corporation against which Rs. 3490.00 lakhs was spent during 1985-90 mainly for replacement of buses of the Corporation. The Corporation is not receiving any contribution from Railways since 1987-88 because according to new criteria, the undertakings running into losses are not eligible for the contribution from the Central Government. Finance Department has also asked PRTC not to raise loans from financial institutions. PRTC is at present, therefore, totally dependent upon the capital contribution provided to it on plan side. During 1988-89, an amount of Rs. 650.00 lakhs as share capital contribution was released to the Corporation mainly for the replacement of buses. But the Corporation spent an amount of Rs. 489.86 lakhs for replacement of buses and improving bus-stands facilities etc. and balance amount of Rs. 160.14 lakhs provided for replacement

of buses was diverted from capital to revenue side by paying arrears to its employees during 1988-89 by the Corporation. It may also be intimated that the Corporation had diverted an amount of Rs. 9.00 crores from Capital to Revenue provided

for replacement of buses during the 7th Plan period with which 225 buses could be replaced. The details of actual receipts from various quarters by PRTC are given in the following table:—

(Rs. in lakhs)

Sr. No.	Sources	1985-90		1990-91 Actual Expd.	1991-92 outlay	1992-93 Approved outlay
		Approved outlay	Actual Expd.			
1	2	3	4	5	6	7
1	State Government contribution	2750.00	3629.00	800.00	850.00	900.00
2	Northern Railway contribution	1375.00	654.15	—	—	—
3	Institutional finance	1860.00	518.29	—	—	—
	Total	5985.00	4801.44	800.00	850.00	900.00

9.15 The details of development programmes of the Corporation during Seventh Five Year Plan and

Eighth Five year plan are given below:—

(Rs. in lakhs)

Serial No.	Item	1985-90		1990-91 Outlay	1991-92 Outlay	1992-93 Approved outlay
		Approved outlay	Actual Expd.			
1	2	3	4	5	6	7
1	Acquisition of fleet					
	(i) Expansion	—	—	—	—	—
	(ii) Replacement	4725.00	1655.78	753.48	785.50	800.00
2	Workshop facilities	75.00	5.87	0.06	12.50	20.00
3	Others	10.00	5.25	2.13	2.00	5.00
4	Land and Building	575.00	237.90	44.33	50.00	75.00
5	Repayment of interest to State Govt.	500.00	893.95	—	—	—
6	Repayment of principal to the financial Institution	—	659.14	—	—	—
7	Payment of loans to State Government	—	160.00	—	—	—
8	Repayment of Passenger tax	—	100.00	—	—	—
9	Repayment of loans to banks	—	100.00	—	—	—
10	Purchase of new buses	—	100.00	—	—	—
	Total	5985.00	3917.89	800.00	850.00	900.00

9.16 The sanction fleet strength of the Corporation is 1074 buses and fleet strength as on 30th June, 1991 was 1049 buses. The details of buses of the Corporation during 7th Five Year Plan are given below :—

	1985-86	1986-87	1987-88	1988-89	1989-90
1 No. of buses due for replacement at the beginning of the year	—	—	330	364	496
2 No. of additional buses became due for replacement during the year	—	—	98	217	79
3 Total No. of buses due for replacement during the year	—	415	428	581	575
4 Target for buses to be replaced during the year	323	326	325	254	201
5 No. of buses replaced during the year	82	85	64	85	171
6 No. of buses due for replacement at the end of the year	—	330	364	496	404

9.17 In Annual Plan 1990-91, an outlay of Rs. 800.00 lakhs has been provided to the Corporation as share capital contribution mainly for replacement of 156 buses of the Corporation. In Annual Plan 1991-92, an outlay of Rs. 850.00 lakhs has been provided mainly for replacement of 174 buses. In Annual Plan 1992-93 an outlay of Rs. 800.00 lakhs has been provided mainly for replacement of 160 buses.

#### Civil Aviation :

9.18 At present, there are three aviation clubs working under this department at Patiala, Ludhiana and Amritsar. The fourth is Northern India Flying

Club, Jullundur Cantt, which is private Club but under the control of the Government. The department is having fleet of 21 Pushak Aircraft and one Bonanza Air-Craft (4 seater) on which flight training is imparted to the trainees for commercial pilot licence. The department also provides training for gliding at all the aviation Clubs. A Government Aero Engine overhauling workshop fully-equipped with modern sophisticated machinery and testing equipment was set up at Patiala for repair/maintenance and overhauling of Pushak Aircraft loaned to various Aviation Clubs in the State. The physical targets and achievement for Seventh Plan are indicated below :—

Serial No.	Name of the Training	Unit	Seventh Plan (1985-90) Targets	Achievement (1985-88)	Achievement (1988-89)	Achievement (1989-90)	Achievement
1	2	3	4	5	6	7	8
1	Commercial pilot licence issued ..	No.	25	41	36	15	16
2	Private Pilot licence issued ..	No.	100	179	47	30	56
3	F.I.R./A.F.I.R.	No.	25	16	6	5	4
4	Bonanza Roting and instrument rating	No.	75	—	16	35	—
5	Simulator Rating ..	No.	200	155	20	40	54
6	Air Craft Maintenance Engineering (3 years course)	No.	100	25	18	20	—
7	Gliding Pilot licence to be issued	No.	100	3	4	25	7

9.19 In Seventh Five Year Plan, an out-lay of Rs. 120.00 lakhs has been provided under this sub-head for implementing various programmes against which an expenditure of Rs. 81.17 lakhs was incurred during (1985-90) various programmes to be implemented are as under :—

in Air-Craft maintenance. An outlay of Rs. 25.00 lakhs was approved for 7th five year plan against which Rs. 25.00 lakhs was as grant-in-aid during 1985-90 for continuing the training programme in this school. Since this scheme has been transferred to Non-Plan side.

#### (a) Aircraft Maintenance Engineering School :

9.20 Aircraft Maintenance Engineering School at Patiala imparts training for 3 years Diploma Course

#### (b) Simulator Training Unit :

9.21 The department has Ground Simulator Training Unit at Patiala for imparting training to



pilot for better job opportunities in Indian Air Line. In the Seventh Five Year Plan, outlay of Rs. 5.00 lakhs was provided against which Rs. 5.00 lakhs has been proposed to the club during 1985-90 as grant-in-aid for meeting the expenses of Aviation Club, Patiala. Since this scheme has been transferred to non-Plan side, no provision has been proposed for this purpose since Annual Plan 1990-91.

**(c) Taking over of Flying Clubs :**

9.22 There are four flying clubs at Patiala, Ludhiana, Amritsar and Jalandhar which are already working under the subsidy Agreement of the Director General of Civil Aviation, Government of India. Due to inadequate availability of funds to match the rising cost of flying due to escalation in imported continental roller royace engine parts, aviation gasoline avionics instruments etc, the training programmes are disrupted for want of timely finances for the purchase of fuel and spares thus leading to wastage of pilot talent and irregular disbursement of salaries. It has therefore, been proposed to take over one flying club out of the four clubs. An outlay of Rs. 5.00 lakhs has been provided for this purpose in the Annual Plan 1990-91. In Annual Plan 1991-92, an outlay of Rs. 5.00 lakhs provided for this purpose has been taken as surrender. No outlay has been provided for this purpose in the Annual Plan 1992-93.

**(d) Extension and construction of Aerodromes :**

9.23 The existing airfield at Ludhiana has already been taken over by Government of India for Vayidoot Service. As such new infrastructure at Ludhiana for Flying Club is required to be developed. An amount of Rs. 25.00 lakhs has been provided for construction of Flying Club Building at Ludhiana during Seventh Plan. The estimated cost of construction work is Rs. 53.70 lakhs. (Revised cost Rs. 65.00 lakhs) approximately. An expenditure of Rs. 10.16 lakhs was spent for the construction work of Ludhiana Airfield during (1985-90) In Annual Plan 1990-91 an outlay of Rs. 30.00 lakhs has been provided, for completion of this airfield and construction of Aerodromes at Jalandhar, Kapurthala and Patiala. In Annual Plan 1991-92, an outlay of Rs. 50.00 lakhs has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 30.00 lakhs has been provided for this purpose.

**(2) Machinery/equipment :**

9.24 As mentioned earlier, the department of Civil Aviation is having a fleet of 21 Pushak Aircrafts and one Bonanza Aircraft (4) Seater for imparting training. Machinery and equipment is required to improve/repair and replace the aircrafts. A sum of Rs. 30.00 lakhs has been provided in the Seventh Five Year Plan for the purchase of machinery against which expenditure of Rs. 41.96 lakhs was incurred during 1985-90. An amount of Rs. 25.00 lakhs has been provided for purchase/repair/replace of machinery of aircrafts, helicopters etc, and payment of customs during 1990-91. In Annual Plan 1991-92, an outlay of Rs. 50.00 lakhs has been provided under this scheme. In Annual Plan 1992-93, an outlay of Rs. 50.00 lakhs has been provided for this purpose.

**Tourism :**

9.25 The Punjab State Tourism Development Corporation was set up on 26th March, 1979 with an authorised capital of Rs. 5.00 crores. The State Government released Rs 261.00 lakhs to the Corporation upto 31st March, 1985 by way of share capital contribution in addition to the transfer of existing assets at Rs. 139.00 lakhs. The total paid up capital by the end of Sixth Plan released to the Corporation was Rs. 390.00 lakhs including transfer of assets. The authorised capital of the Corporation was raised from Rs. 5.00 crores to Rs. 8.00 crores and accordingly, an outlay of Rs. 190.00 lakhs has been provided during the Seventh Plan as share capital contribution against which an expenditure of Rs. 99.49 lakhs has been incurred during 1985-90. In Annual Plan 1990-91, outlay of the Corporation as share capital Contribution has been enhanced to Rs. 90.00 lacs by merging the scheme construction of Hotel-cum-convention centre at Chandigarh. Out of Rs. 90.00 lakhs (i) an outlay of Rs. 40.00 lakhs as share capital contribution has been provided for upgradation and enlargement of existing complexes of the Corporation. In Annual Plan 1991-92, an outlay of Rs. 40.00 lakhs provided for this purpose has been taken as surrender. In Annual Plan 1992-93 no outlay has been proposed for this purpose. (ii) It has been decided to set up a Hotel-cum-Convention Centre by the State Government in collaboration with India Tourism Development Corporation in the equity ratio of 51:49 in Sector 34, Chandigarh. This will be a five star hotel having capacity of 100 rooms and a convention Hall of 650 persons. The estimated cost of the project is Rs. 16.80 crores. Share of the State Government is Rs. 833.20 lakhs. The feasibility report is to be prepared by I.T.D.C. The cost of land payable to U.T. Administration is Rs. 189.00 lakhs, out of which Rs. 81.50 lakhs as State share has been released for purchase of land during 1989-90. In Annual Plan 1990-91, out of Rs. 90.00 lakhs Provided as share capital contribution to PSTDC, an outlay of Rs. 50.00 lakhs has been provided for purchase of land. In Annual Plan 1991-92, no outlay has been provided for purchase of land. In Annual Plan 1992-93, no outlay has been provided for this purpose.

9.26. In order to provide further boost to the tourist activities in the State, a token provision of Rs. 10.00 lakhs was made in the Seventh Five Year Plan for Directorate of Tourism for the implementation of various centrally-sponsored schemes. An amount of Rs. 17.00 lakh was spent during 1985-89 for contributing the State's share towards land acquisition and development of the construction of Yatri Niwas at Jalandhar by Government of India against the anticipated cost of land acquisition (Rs. 6.00 lakhs) and development (Rs. 11.00 lakhs) i.e. 17.00 lakhs for this purpose. An outlay of Rs. 20.00 lakhs was provided as State's share in Annual Plan, 1989-90 for construction of new Yatri Niwas at Madhopur. During Annual Plan, 1992-93 an outlay of Rs. 10.00 lakhs has been provided for Yatri Niwas at Mohali.

9.27. Government of India has agreed to provide facilities for the tourists visiting Punjab by providing way-side amenities at a cost of Rs. 1.00 crore subject to the condition that developed land will be leased to Central Department of Tourism for

the construction of buildings. A sum of Rs. 34.00 lakhs was spent during 1987-88 for contributing the State's share towards land acquisition and development for the construction of buildings of tourists accommodation and restaurants by Government of India. It has been proposed to provide accommodation and restaurant facilities in Patiala, Nadampur, Hoshiarpur, Gurdaspur, Dasuya and Moga. An amount of Rs. 2.00 lakhs was spent during 1988-89 for this purpose. In Annual Plan, 1989-90, an amount of Rs. 20.00 lakhs was spent for contributing the State's share for providing accommodation and restaurant facilities at Bhatinda, Barnala, Qadian and for construction of Fast Food Centres with toilet and parking facilities at Sanghol, Sirhind and Phagwara. In annual Plan, 1990-91, an outlay of Rs. 20.00 lakhs has been provided for contributing States share for providing accommodations and Restaurant facilities at various places in the ratio of 60:40. In Annual Plan, 1991-92, Rs. 30.00 lakhs has been taken as surrender provided for this purpose. In Annual Plan, 1992-93, an outlay of Rs. 20.00 lakhs has been provided for providing accommodation at Ferozepur and Abohar.

9.28. It has been decided to set up a Food Craft Institute for running short term courses for the Hotel-Industry at Nangal under Centrally Sponsored Scheme. The estimated cost of this project is Rs. 300.00 lakhs out of which State's share is Rs. 190.00 lakhs. The Department of Tourism, Government of India, will meet the entire revenue expenditure including machinery and equipment. The State Government will meet the entire expenditure on the construction of building and land with covered space of approximately 2000 Sq. Mts. In Annual Plan, 1990-91, an outlay of Rs. 20.00 lakhs as State's share for purchase of land has been provided. In Annual Plan, 1991-92, an outlay of Rs. 30.00 lakhs provided for this purpose has been taken as surrender. In Annual Plan, 1992-93, an outlay of Rs. 20.00 lakhs has been provided for contributing State's shares for this purpose.

9.29. The staff working in the Tourism Department needs training and knowledge about tourists places not only in our State but in all the States of the Country. It is necessary to have familiarisation Tours for the staff in order to enable them to become good guide for the domestic and foreign tourists visiting our state. An outlay of Rs. 2.00 lakhs (Revised outlay Rs. 1.00 lakh) has been provided for this purpose in Annual Plan, 1989-90. Since this scheme has been transferred. to Non-plan side. no provision has been proposed for this purpose since 1990-91.

9.30. It has been decided to set up a Hill resort at Katori, District Gurdaspur. The details of the scheme are being worked out by I.T.D.C. The survey of the site is being conducted by Survey of India. The estimated cost of the project is Rs. 115.00 lakhs. The share of the State Government is Rs. 38.00 lakhs. An amount of Rs. 0.84 lakhs has been spent during 1989-90. No

outlay has been proposed for this purpose since 1990-91 and the department has been asked to find some suitable place as Katori is hardly 22 Kms. from Dalhousie and no body would like to stay here. In Annual Plan, 1990-91, an outlay of Rs. 20.00 lakhs provided as State share for the purchase of land has been taken as surrender. No outlay has been provided for this purpose since 1991-92.

9.31. It has been decided to provide publicity to Tourist infrastructure through various medias under the centrally sponsored scheme on 50:50 sharing basis. These medias are printing and distribution of Literature, write ups, fairs and festivals. In Annual Plan, 1991-92 an outlay of Rs. 2.50 lakhs provided to contribute to State's share for this purpose has been taken as surrender. In Annual Plan, 1992-93, an outlay of Rs. 2.00 lakhs has been provided for this purpose.

#### District Level Schemes

##### Roads and Bridges (District level):

**9.32 Main roads and Missing Links.**—During Seventh Five Year Plan, an outlay of Rs. 200.00 lakhs was provided for completion of the spillover works and for undertaking the construction of new works against which an expenditure of Rs. 140.33 lakhs has been incurred. The spillover requirement of funds for 3 works under this scheme by the end of 7th Plan is Rs. 126.50 lakhs. In the Annual Plan 1990-91, an outlay of Rs. 40.00 lakhs has been provided mainly for completion of spillover works. During 1991-92 an outlay of Rs. 60.00 lakhs has been provided under this scheme. In Annual Plan 1992-93, an outlay of Rs. 60.00 lakhs has been Provided to continue this programmes.

##### Improvement and Widening of Existing Roads :

9.33 Keeping in view the sharp increase in the traffic on the road system both for passengers and freight, high priority has been accorded to the improvement of existing roads. During the seventh Five Year Plan, an outlay of Rs. 60.00 crores was provided for completing 82 spillover works and for undertaking 135 new works against which an expenditure of Rs. 34.45 crores has been incurred. The Spillover requirement of funds for 20 spillover works under this scheme by the end of 7th Plan is 351.66 lakhs. An outlay of Rs. 750.00 lakhs has been provided for Annual Plan 1990-91 mainly for completion of spillover works. In Annual Plan 1991-92, an outlay of Rs. 1148.72 lakhs has been provided under the scheme. In Annual Plan 1992-93, an outlay of Rs. 1000.00 lakhs has been provided to continue this programme.

**Village Roads :**

9.34 All villages (12,188) in the State except 148 villages were provided first links by the end of

1984-85. The position regarding 148 villages is given in the following table :—

Serial No.	Details	No. of villages	District-wise break-up
1	2	3	4
1	Bechirage Villages	68	Amritsar (2) Gurdaspur (21) Jalandhar (3) Kapurthala (39) Hoshiarpur (3)
2	Villages acquired for defence purposes and not be linked due to military objections	11	Gurdaspur (5) Ferozepur (5) Kapurthala (1)
3	Villages that can not be linked due to non-availability of land	20	Gurdaspur (2) Jalandhar (5) Hoshiarpur (10) Patiala (1) Ropar (2)
4	Villages beyond major drains	4	Jalandhar (3) Patiala (1)
5	Villages with lesser population	1	Kapurthala (1)
6	Flood effected villages in river bed	38	Ferozepur (38)
7	Others	6	Karputhala (4) Ropar (2)
Total		148	(148)

At present, all the villages (12343) except 20 villages has been connected. The remaining 20 villages are being linked with M.C.M.B. Funds.

9.35 The main thrust of the programme is to strengthen the existing roads and to provide inter-links with the funds made available by the Marketing Board and missing gaps. If any, in the implementation of programme will be filled through State Funds. It is in this context that an outlay of Rs. 55.00 lakhs was approved for Seventh Five Year Plan. Out of this, 30.00 lakhs were provided for linking of 6 villages situated in upper water shed Dholbaha ChoeBridges and Rs. 25.00 lakhs for meeting the spillover requirements of village roads (including linking of additional one village) not being financed by Marketing Board. A sum of Rs. 88.35 lakhs was expended in the Seventh Plan (1985—90) in order to complete the construction of programme undertaken due to cost escalation. No provision was being made for this purpose since 1987-88 and the programme was continued entirely with Marketing Board funds, But due to bad conditions of rural roads and inability of PSAMB to provide Sufficient Funds for this purpose, an outlay of Rs. 200.00 lakhs has been provided for this purpose in annual plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 200.00 lakhs has been provided for this purpose.

**Improvement of roads within Municipal Committee Limits :—**

9.36 The stretches of main roads passing through the Municipal limits need widening and improvement. Under this scheme, such stretches are being widened, improved in almost all the districts of Punjab. An outlay of Rs. 900.00 lakhs has been approved for completing 33 spillover works and for undertaking construction of new works during seventh Five Year Plan against which an expenditure of Rs. 360.00 lakhs has been incurred. The spillover requirement of funds for 9 works under this scheme by the end of 7th Plan in Rs. 220.23 lakhs. In Annual Plan 1990-91, an outlay of Rs. 75.00 lakhs has been provided mainly for Completion of spillover works. In Annual Plan 1991-92, an outlay of Rs. 143.90 lakhs has been provided under the scheme. In Annual Plan 1992-93, an outlay of Rs. 100.00 lakhs has been provided to continue the programme.

**Bye-Passes:**

9.37 The tremendous growth of internal traffic in a number of towns has created traffic problems. Bye-passes are being provided to lessen the traffic load within the city. During Seventh five Year Plan, an outlay of Rs. 500.00 lakhs was provided for completing the 6 spillover works and for undertaking the

construction of 14 new works against which an expenditure of Rs. 184.98 lakh has been incurred. The spillover requirement of funds for 2 works under this scheme by the end of 7th Plan is Rs. 76.14 lakhs. In Annual Plan 1990-91, an outlay of Rs. 70.00 lakhs has been provided mainly for Completion of spillover works. In Annual Plan 1991-92, an outlay of Rs. 270.00 lakhs has been provided under this scheme. In Annual Plan 1992-93, an outlay of Rs. 170.00 lakhs has been provided to construct by paises at Patiala, Kotkapura, Ludhiana & Bathinda.

#### Road Transport

##### (a) Punjab Roadways .

9.38. (i) **Land and Building.**—The other important programme after replacement of buses under this scheme is Civil Works under which bus-stands, workshops etc. are constructed. An expenditure of Rs. 457.48 lakhs has been incurred for this programme during 7th Plan. In Annual Plan, 1990-91, an outlay of Rs. 285.00 lakhs has been provided to continue this programme. In Annual Plan 1991-92, an outlay of Rs. 166.20 lakhs has been provided under this scheme. In Annual Plan 1992-93, an outlay of Rs. 105.00 lakhs has been Provided for this purpose.

#### State Transport Commissioner

9.39 The State Transport Commissioner is a non-commercial wing of the Transport Department and is responsible for the enforcement of Motor Vehicle Act and rules framed thereunder. The regulatory functions include the registration of Motor Vehicles realisation of Motor vehicles tax issues of Driving Licences and permits to Transport Vehicles in the State. Earlier no funds under plan schemes had ever been provided to this department and it is only the non-Plan scheme under which the funds are being earmarked. Under the provision of the new Act, the activities of this department have increased manifold and, therefore, require increase in the existing staff strength and other net work of infrastructure i.e. buildings, equipment etc., which is possible only if

sufficient funds are placed at the disposal of the Deptt. The programme-wise details are as under :—

#### Installation of various Equipments for Road Safety :—

9.40 The growing number of serious road accidents in the recent years have led to grave concern which are mainly due to inefficient enforcement of the Act and incompetence of the drivers. It is, therefore, desired that department should invite a strict and efficient checking before a certificate of fitness of transport vehicle is guaranteed. For this purpose, various equipments, apparatus/instruments are required as detailed below :—

1. Exhaust Gas Analyser.
2. Smoke-Meter,
3. Break Testing Machine (Break Dynamometer)
4. Front Wheel Alignment Tester.
5. Shock Absorber Tester.
6. Head Light Aim Tester.
7. Visual Inspection Pit Ramp of Motorise Hoist.
8. Jack
9. Play Detector.
10. Wheel Spinner.
11. King tester for actual test of Enginer performance.
12. Compressor Tester
13. Signalling equipment Tester.

9.41 In Annual Plan 1992-93, an outlay of Rs. 30.00 lacs has been provided for purchase of these equipments for all the districts of the state,

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ANNUAL PLAN 1992-93

STATEMENT

Schemewise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme		Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content	
1		2	3	4	5	6	
<b>Roads and Bridges :</b>							
<b>State level Schemes</b>							
RD 2.1	Machinery	..	—	60.00	60.00	60.00	60.00
RD 4.1	Bridges	..	711.79	650.00	650.00	800.00	800.00
RD 5.1	Central Road funds	..	80.00	100.00	100.00	100.00	100.00
RD 5.4	Research and Development field training and purchase of equipment	..	1.00	10.00	10.00	10.00	10.00
Total		..	792.79	820.00	820.00	970.00	970.00
<b>District Level Schemes :</b>							
<b>Area Specific Schemes :</b>							
RD 5.3	Bye Passes	..	17.48*	170.00	270.00*	170.00	170.00
<b>Earmarked Infrastructure</b>							
RD 1.1	Main roads and Missing links	..	49.50*	60.00	60.00*	60.00	60.00
RD 1.2	Improvement/Widening of existing roads	..	661.82*	800.00	1148.72*	1000.00	1000.00
RD 3.1	Village Roads	..	—	200.00	200.00*	200.00	200.00
RD 5.2	Improvement of Roads within MC limits	..	88.01*	100.00	143.90*	100.00	100.00
Total of District level Schemes		..	816.81*	1330.00	1822.62*	1530.00	1530.00
Grand Total		..	1609.60	2150.00	2642.62	2500.00	2500.00
<b>*Anticipated Expenditure</b>							
<b>Road Transport</b>							
<b>State Level Schemes</b>							
RT 1	Pepsu Road Transport Corporation	..	800.00	850.00	850.00	900.00	900.00
RT 2	Punjab Roadways						
	(i) Land and Building	..	75.50	98.80	98.80	95.00	95.00
	(ii) Replacement	..	1069.45	1250.00	1450.00	1450.00	1450.00
	(iii) Workshop facilities	..	13.73	42.03	42.03	40.00	40.00
	(iv) Strengthening of Government Central Workshop	..	—	—	—	30.00	30.00
Total State level Schemes		..	1958.68	2240.83	2440.83	2515.00	2515.00

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Schemes	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-9	
	Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content
1	2	3	4	5	6
<b>District level Schemes</b>					
2 Punjab Roadways					
<b>Area Specific Schemes</b>					
(1) Land and Building	1.38*	166.20	166.20*	105.00	105.00
<b>Earmarked Infrastructure</b>					
(iv) Installation of equipment for Road safety	93.11*	—	—	30.00	—
Total of District level Schemes	94.49*	166.20	166.20*	135.00	105.00
Grand Total	2053.17	2407.03	2607.03	2650.00	2620.00

\* Anticipated Expenditure

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lacs)

Major/Minor Head of Development/ Name of the Schemes		Annual Plan 1990- 91	Annual Plan 1991-92		Annual Plan	1992-93
		Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1		2	3	4	5	6
<b>Civil Aviation</b>						
<b>State level Schemes</b>						
AV 1.1	(iii) Taking over of flying clubs ..	—	5.00	—	—	—
AV 2.1	Extension and construction of Aerodromes ..	6.50	25.00	50.00	30.00	30.00
AV 3.1	Advance Training of Pilots ..	25.00	50.00	50.00	50.00	—
	Total ..	31.50	80.00	100.00	80.00	30.00
<b>Tourism</b>						
<b>State Level Schemes</b>						
TM 1.1	Punjab State Tourism Development Corporation .. (Share Capital Contribution)	27.00	40.00	—	—	—
TM 1.2	Acquisition and Development of Land for Yatri Niwas ..	—	—	—	10.00	10.00
TM 1.3	Acquisition and development of land for way side amenities ..	20.00	30.00	—	20.00	20.00
TM 1.4	Setting up of Hotel-cum-Convention Centre at Chandigarh ..	50.00	75.00	—	—	—
TM 1.6	Food Craft Institute ..	20.00	30.00	—	20.00	20.00
TM 1.7	Promotion and Publicity ..	—	2.50	—	2.00	—
	Total State level Schemes ..	117.00	177.50	—	52.00	50.00

## CHAPTER X EDUCATION

### General Education

10.1 Education is a crore sector for achieving the objective of employment, human resource development and bring about the much needed change in social environment leading to over all progress through efficient use of resources and a fair and just order being established. Proper education system cultivates the knowledge skill, positive attitude, sense of awareness and responsibility towards rights and duties and impart inner strength to face the oppression, humiliation and inequality amongst the people.

10.2 The education facilities have been expanded and upgraded in the State. Now every revenue village has a primary school, a middle school within 2.00 kms and high school within 2.5 kms of every village. This is better than the norms of 1.00 km for a primary school, 3.00 kms for middle and 5.00 kms for a High School fixed by the Government of India.

10.3 The main stress would be given on consolidation of the gains made during previous plan periods and bring about qualitative improvement rather than on their expansion and up-gradation. Uncovered area would, however, be taken care of and schools would be opened/upgraded in such areas during 1992-93.

10.4 In view of the principle of decentralisation of Planning process inherent in the new approach of the Planning Commission devolution of funds to the distts. has been made for satisfying local felt needs and thereby raising the standard of living of the people of the State.

10.5 Directorate/Sub-headwise details of allocations/expenditure of Annual Plan 1990-91, approved allocation and anticipated expenditure of Annual Plan 1991-92 and approved allocation for the Annual Plan 1992-93 are depicted in the following table:—

(Rs. in lakhs)

Departments	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	
1	2	3	4	5	6	
1. Primary Directorate	State	—	—	9.60	2.74	21.00
	District	240.40	240.40	387.80	673.12	541.00
	Total	240.40	240.40	397.40	675.86	562.00
2. School Directorate	State	105.00	8.56	555.25	382.40	952.00
	District	1005.10	1005.10	862.35	920.74	686.00
	Total	1110.10	1013.66	1417.60	1303.14	1638.00
3. College Directorate	State	244.00	123.59	512.00	211.27	520.00
	District	—	—	—	—	—
	Total	244.00	123.59	512.00	—	520.00
4. Director Language	State	130.00	69.42	150.00	143.05	175.00
	District	—	—	—	—	—
	Total	130.00	69.42	150.00	—	175.00
5. Director Youth Services	State	15.14	14.05	862.00	47.85	860.00
	District	809.86	309.86	10.00	10.00	12.00
	Total	825.00	323.91	872.00	57.85	872.00



1		2	3	4	5	6
6. Director Sports	State	50.00	194.24	54.00	125.00	150.00
	District	—	—	—	—	—
	Total	50.00	194.24	54.00	125.00	150.00
7. Director						
(i) Cultural Affairs	State	58.00	49.98	33.00	54.00	195.00
	District	—	—	—	—	—
	Total	58.00	49.98	33.00	54.00	195.00
(ii) Archaeology & Museums	State	176.00	58.22	159.00	33.70	85.00
	District	—	—	—	—	—
	Total	176.00	58.22	159.00	33.70	85.00
(iii) Archives	State	83.00	2.54	80.00	22.94	79.00
	District	—	—	—	—	—
	Total	83.00	2.54	80.00	22.94	79.00
Total (1—7)	State	861.14	520.60	2414.85	1922.95	3037.00
	District	2055.36	1555.36	1260.15	1603.86	1239.00
	Total	2916.50	2075.96	3675.00	2626.81	4276.00

10.6 Most of the Plan Schemes under which facilities in the form of furniture, science equipment/apparatus, lavatory and drinking water, science laboratory and building etc. in the existing educational institutions were to be provided have been shifted to the districts and would be executed by the officers of the deptts. concerned at the distt. level. Accordingly allocations proposed for the implementation of these schemes would be kept at the disposal of the Distt. Planning and Development Boards. The schemes which would be implemented at the State/Distt. level are given below :—

#### PRIMARY EDUCATION

##### Direction and Administration :

10.7 It has been reported by the Directorate of Primary that since its creation it has been working with a skelton staff with the result lot of difficulties are being faced in discharging duties effectively at the State headquarter and also at the sub-levels. A sum of Rs. 1.00 lakhs for the Annual Plan 1992-93 has been provided for the creation of various categories of posts.

10.8 Opening of Primary Schools : Every revenue inhabited village in the State now has been provided with the facility of Primary School. But to met out the target of universalisation of Primary Education and the requirement of new colonies/basties/townships/uncovered areas, enhanced enrolment due to increase in population 5 schools will be opened during 1992-93. A sum of Rs. 2.00 lakhs for the Annual Plan 1992-93 is being provided for this purpose.

10.9 Opening of Pre-Primary Schools : With a view to check the drop out rate among the children at the elementary stage and also to bring the Government Primary Schools to the level of privately managed schools, the deptt. has proposed to start pre-primary classes in 5 schools in the State during 1992-93. One additional class room and one post each of J.B.T teacher and a helper would also be given to these schools. A sum of Rs. 5.00 for the Annual Plan 1992-93 has been provided to implement this scheme. Out of this amount a sum of Rs. 3.00 lakhs would be provided to districts for infrastructure.

**10.10 Assistance for opening of new private primary schools in rural areas :** A new scheme will be launched in the state under which financial assistance to the private management would be given to start primary schools in Harijan/Backward basties in the rural areas. A sum of Rs. 5.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.11 Conversion of existing Government Primary Schools into Govt. Model Primary Schools in rural Areas :** In order to provide better educational facilities to the children of rural areas one Govt. Primary School in each 20 educational blocks would be converted into Govt. Model Primary School during the Annual Plan 1992-93 in a phased manner. The schools to be converted in Govt. Model Primary schools would be provided with an additional room play field and other infrastructural facilities. Apart from this one post of Peon-cum-Chowkidar would also be created for these schools under this scheme. An allocation of Rs. 20.00 lakhs for the Annual Plan 1992-93 has been provided to implement this scheme. Out of these funds a sum of Rs. 17.00 lakhs would be provided to districts.

**10.12 Part time sweepers in Primary Schools :** Out of 1,500 Central schools, 200 schools were provided with the facility of part time sweepers during the sixth plan. Out of remaining 1300 schools, 800 schools @ 160 schools per year have been covered during the Seventh plan. In order to cover 100 schools this year, a sum of Rs. 3.00 lakhs for the Annual Plan 1992-93 has been provided.

#### **Schemes transferred to the Distts :**

**10.13 Provision of facilities for the improvement of Primary Education :** Under this scheme physical deficiencies in the form of buildings, lavatory and drinking water facilities, furniture etc. because of which parents of tiny tots hesitate to send their wards to Govt. Primary Schools and prefer the privately run schools, would be identified at the grassroot level and accordingly be removed out of funds devolved to the distts. Building in the Primary schools would be provided on 50 : 50 sharing basis with the local community/panchayats etc. The communities contribution and participation for providing other facilities would also be ensured as per instructions issued by the state Govt. in this regard. A sum of Rs. 521.00 lakhs for the Annual Plan 1992-93 has been provided.

#### **Middle and Secondary Education :**

**10.14 Universalisation of Elementary Education :** Under this scheme allocation is being provided for the development of motivational material and techniques in order to achieve 100% universalisation of elementary education in the State by the end of 1992-97. We envisaged to cope in all eligible students in the age group of 11-14 years into the process of education by providing motivational/material/techniques like posters, flash cards, cartoons, charts, television and radio scripts, film theatres and puppet play etc. The motivational material/apparatus are developed by the SCERT. A sum of Rs. 3.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.15 Restructuring of SCERT :** The Department intends to re-structure the SCERT on the lines of NCERT, on the basis of which it was set up in the State, is functioning at the centre. Department proposed to upgrade some of existing posts, expenditure on which be met from non-plan budget. The other posts relating to research and production would be created to bring about qualitative improvement in the existing education system. A sum of Rs. 1.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.16 Creation of one Educational Circle :** In the State of Punjab there are three Administrative/Revenue Circles namely Ferozepur, Patiala and Jalandhar. But for the purpose of educational control there are only two circles namely Patiala and Jalandhar. To supervise six districts by one circle education officer is very difficult job. Therefore, to have one more circle to improve the standard of institutional work and to effectively supervise and guide the field staff, a sum of Rs. 4.00 lakhs for the Annual Plan 1992-93 has been provided for the creation of one post each of Circle Education Officer, Deputy Circle Education Officer, Establishment Officer and some supporting staff.

#### **Research and Training :**

**10.17 Strengthening and Improvement of Science Education :** The main function of the State Institute of Science Education is to improve the teaching of Science. Seminars, Science exhibitions and fairs to be conducted at sub-Division level, District level and State level. Besides a post of accountant and a peon to be created at the Head quarter to maintain the accounts. A sum of Rs. 4.00 lakhs for Annual Plan 1992-93 has been provided.

**10.18. Improvement of Science Education in Schools :** TA/DA component of the Centrally Sponsored Scheme 'Improvement of Science Education in Schools' is to be met by the State Govt. Accordingly a sum of Rs. 15.00 lakhs for the Annual Plan 1992-93 is being proposed for the payment of TA/DA.

**10.19 Setting up of new In-service Training Centres :** Four New In-service training centres are being set up i.e. one each in Faridkot, Sangrur, Ropar and Kapurthala Districts during the year 1991-92. The In-service Training Centres have already been set up in all the other districts. About 100 Teachers are to be trained during the current financial year. For this a sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.20 Setting up of vocational wings in existing In-service Training Centres :** The Department has also proposed to set up 5 Vocational Wings in the existing In-service Training Centres to impart vocational training to vocational teachers/masters during the the year 1992-93 i.e. one Centre every year. A sum of Rs. 15.00 lakhs for the Annual Plan 1992-93 has been provided for the creation of various categories of posts for imparting vocational In-service Training to the teachers.

**Upgradation of Schools :**

10.21 **Primary to Middle :** Against the target of upgradation of 50 primary schools to middle standard, 135 schools were upgraded during Seventh Plan. 10 schools were upgraded in the uncovered areas during 1991-92. Yet it is felt that there are some areas where the children have to travel long distance to reach middle schools. For the Annual Plan 1992-93 a sum of Rs. 13.00 lakhs has provided for already upgraded schools.

10.22 **Middle to High :** During Seventh Five Year Plan, against the target of upgradation of 25 schools, 180 middle schools were upgraded. The high school facility now is available at a radius of about 2.5 Kms. which is much better than the norms of 5.00 kms. fixed by the Govt. of India. The facility is, however, not evenly spread all over the State and some pockets in the backward areas are still required to be provided with this facility to bring it at par with the other areas. A sum of Rs. 11.00 lakhs for Annual Plan 1992-93 has been provided for the schools already upgraded.

10.23 **Introduction of 10+2 system of Education:** To fall in line with new policy on Education, adopted in State, 308 Higher Secondary schools were upgraded to 10+2 system of Education during the Seventh Plan and 70 schools were upgraded during 1990-91. In order to achieve the 1 : 3 ratio between 10+2 schools & high schools, 50 high schools will be upgraded to 10+2 system during 1992-93. For the upgradation of these schools and also to introduce science and commerce groups in the schools already upgraded an allocation of Rs. 700.00 lakhs for the 1992-93 has been provided. Out of this amount a sum of Rs. 200.00 lakhs has been devolved to the districts for infrastructural facilities.

10.24 **Vocational stream of 10+2 system of Education :** Under the New Policy on Education 10% of the student population was to be covered under vocational courses at +2 stage by 1990. But this target has not been achieved by the State. New policy on Education also envisaged to cover 25% student population under the vocational stream by 1995. 285 schools would be covered under this scheme upto the end of 1991-92. 40 schools would be covered during 1992-93 Plan. This scheme would be implemented on sharing basis by the Centre and State Govt. For this an allocation of Rs. 200.00 lakhs for the Annual Plan 1992-93 has been provided.

10.25 **Post of Laboratory Attendants :** During the Seventh Plan period 638 posts of Lab. Attendants were created. In order to provide one lab. attendant in one lab. department has been proposed to cover @ 40 per year. Every year 40 new posts of lab. attendants will be created. A sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 has been provided.

10.26 **Mass Education Programme:** The State Government has discontinued all the programmes in operation relating to the literacy. A sum of Rs. 100.00 lakh is however, being provided for the year 1992-93 to remove illiteracy from the State. Two-third of the total estimated cost would also be given by Government of India to implement the programme.

10.27 **Economic Package :** With a view to implement the economic package programme a sum of Rs. 1.00 lakh for the Annual Plan 1992-93 has been provided under the plan scheme 'Strengthening of educational net work in the Border district of the State'.

**Schemes transferred to the Districts :**

10.28 **Provision of facilities for the improvement of Middle/Secondary Education:** With a view to remove deficiencies in the form of lavatory and drinking water facilities furniture/class room/ buildings and science room/laboratory from the middle compartment allocation of Rs. 50.00 lakhs for the Annual Plan 1992-93 has been provided under the scheme 'Provision of facilities for the improvement of Middle Education and Rs. 351.00 lakhs for the Annual Plan 1992-93 has also been provided for the removal or deficiencies of building, furniture, lavatory, science equipment etc., under the plan schemes, 'Provision of facilities for the improvement of Secondary Education', Building/class rooms would be provided on 50 : 50 sharing basis with the local community/panchayat etc. For provision of other facilities community's contribution and participation would also be ensured as per guidelines issued by the State Government to this respect,

**Physical Education :**

10.29 The Discipline of Physical Education has been made compulsory from Sixth Class to onward in the schools. In order to implement various schemes of physical education, a sum of Rs. 150.00 lakhs for the Annual Plan 1992-93 has been provided. The details of the provided amount are given as under :—

Names of the Schemes	(Rs. in lakhs)	
	Annual Plan 1991-92	Annual Plan 1992-93
	Approved Outlay	Approved Outlay
1	2	3
1. Holding of Tournaments/participations and camps etc.	8.00	8.00
2. Cub and Bul Bul Movement	2.00	2.00
3. Opening of new and strengthening of existing Sports Wings	7.00	18.00
4. Posts of D.P.Es.	10.00	10.00
5. Creation of 12 posts of Deputy District (Physical) Education Officers	1.00	2.00
6. Holding of refresher courses for coaches and Physical Education Teachers and promotion of Yoga	2.00	—
7. Improvement in State School of Sports, Jalandhar	30.00	25.00
8. Improvement in rural area schools (to be implemented on 50:50 sharing basis with Government of India)	10.00	10.00
9. Laying of Synthetic Track and Provision of staff for the maintenance thereof	40.00	30.00
10. Construction of Sports hostels in schools adopted by sports authority of India	40.00	45.00
<b>Total</b>	<b>150.00</b>	<b>150.00</b>

The schemes given at Serial No. 8, 9 and 10 have been transferred to the districts.

#### University/Higher Education

10.30 An outlay of Rs. 520.00 lakhs for the Annual Plan 1992-93 has been provided for the following programmes/schemes of college directorate.

#### Directorate and Administration

10.31 **Strengthening of Directorate Administration (Additional Staff)** : No staff at the State headquarter was created to strengthen the Directorate since Seventh Five Year Plan. A sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 has been provided.

10.32 **Setting up of State Council of Higher Studies** : Proposal to setting up of State Council of higher studies for proper planning and effecting coordination of higher studies programme is under consideration of Government. Pending a policy decision over this matter, a sum of Rs. 4.00 lakhs for the Annual Plan 1992-93 has been provided.

#### ASSISTANCE TO UNIVERSITIES

10.33 **Chairs and job oriented courses** : To meet the needs of setting up of new chairs for the benefits of the students as well as of society to know something more based on the achievements of eminent personality and introduction of job-oriented courses in the educational institutions so that the self employment avenues are available to the youth and they are able to earn their living, a sum of Rs. 25.00 lakhs for the Annual Plan 1992-93 has been provided.

10.34 **Matching contribution for U.G.C. aided projects** : The U.G.C. provides matching contribution for various defined construction works. The Guru Nanak Dev University, Amritsar and Punjabi University Patiala are developing ones. Construction works therein are going on. In order to avail the matching assistance from U.G.C. a sum of Rs. 40.00 lakhs for the Annual Plan 1992-93 has been provided.

10.35 **Regional Centre at Jalandhar** : Department intends to set up Regional Centre of Guru Nanak Dev University Amritsar at Jalandhar for the welfare of the students and improvement of educational facilities in that area. A sum of Rs. 40.00 lakhs for the Annual Plan 1992-93 has been provided.

10.36 **Construction of Guru Nanak Bhawan at Guru Nanak Dev University, Amritsar.**—The construction of Guru Nanak Bhawan at Guru Nanak Dev University campus was undertaken with an estimated cost of Rs. 180.00 lakhs during 1988-89 which is now revised as Rs. 218.00 lakhs. A sum of Rs. 25.00 lakhs was provided during the year 1988-89. Another sum of Rs. 30.00 lakhs was also provided during the year 1990-91. The allocation of Rs. 40.00 lakhs provided during 1989-90 could not be utilised as the University could not pro-

duce utilisation certificate in time. A sum of Rs. 40.00 lakhs for the Annual Plan 1992-93 has been provided.

#### IMPROVEMENT AND EXPANSION OF GOVT. COLLEGES

10.37 **Expansion of Colleges** : Under the scheme 'Expansion of Colleges' new colleges are set up and maintained till the same are transferred to the non-Plan budget of the State. In order to provide an adequate building to the colleges established during the previous years a sum Rs. 50.00 lakhs for the Annual Plan 1992-93 has been provided.

10.38 **Improvement in existing colleges** : In order to provide better educational facilities to the students in the existing Govt. colleges, new programmes such as Introduction of new courses/subjects, additional posts of lecturers on the basis of norms fixed by the Govt. and provision of infrastructural facilities of furniture, science equipment, books, laboratories and libraries etc. would be provided under the scheme 'Improvement in existing colleges' at the cost of Rs. 231.00 lakhs for the Annual Plan 1992-93 for introducing new courses and for providing of other infrastructural facilities including buildings.

10.39 **Development of Colleges under U.G.C. aided projects** : Matching share is provided by the State Govt. under U.G.C. aided projects for the development of Govt. Colleges. A sum of Rs. 5.00 lakhs for the Annual Plan 1992-93 has been provided under this scheme.

10.40 **Hostel in Govt. Colleges** : Under this scheme facilities of utensils, cots, ceiling fans, construction of Hostel building are being provided. This scheme was merged in the development of colleges under U.G.C. aided projects during 1991-92. A sum of Rs. 40.00 lakhs for the Annual Plan 1992-93 has been provided under the scheme 'Hostel in Govt. colleges.'

10.41 **Sports Wings in Govt. Colleges.** In order to strengthening Govt. Art and Sports College, Jalandhar by paying it sufficient amount for better tracks and also for the provision of sports equipments to the upcoming colleges, a sum of Rs. 1.00 lakh for the Annual Plan 1992-93 has been provided.

10.42 **Establishment and strengthening of District Libraries and Culture Activities** : In order to equip all the District Libraries with the latest books and also to provide additional staff a sum of Rs. 32.00 lakhs for the Annual Plan 1992-93 has been provided. For the promotion of cultural activities in the Govt. Colleges, a sum of Rs. 2.00 lakhs has been provided.

#### Development of Language :

10.43 An allocation of Rs. 175.00 lakhs for the Annual Plan 1992-93 has been provided for the implementation of the various programmes of the Language Department.

### Development of State Language—Punjabi :

10.44 For the development of Punjabi Language in the State a sum of Rs. 12.00 lakhs for the the Annual Plan 1992-93 has been provided to carry out the following activities :—

- (i) Mobile Exhibition-cum-sale van;
- (ii) Report with Punjabi writers/Literary Associations outside the Punjab ;
- (iii) National integration through language and literatures, translation of representative works of all the fifteen regional languages into Punjabi ;
- (iv) Preparation of Punjabi Kosh/compilation and publication of literary and other works etc. ;
- (v) Shiromani award to a writer from outside Punjabi/prize competition of manuscripts of Punjabi children literature;
- (vi) Fellowship for revision of Departmental library works for new additions, Edition of language and literature.

### Development of National Language Hindi :

10.45 For the development of National language Hindi, a sum of Rs. 1.70 lakhs for the Annual Plan 1992-93 has been provided for the purpose of procurement, editing, transliteration of rare manuscripts and translation of Hindi books into Punjabi, pension to writers and for the publication of children literature/ compilation and publication of literary and other works.

### Development of Urdu Language :

10.46 A sum of Rs. 1.70 lakhs has been provided for the development of Urdu language during Annual Plan 1992-93. The following activities would be carried out with this amount:—

- (i) Correspondence courses in Urdu;
- (ii) Drama festival/holding of quawalies and literary functions ;
- (iii) Sahir Ludhianvi Poetry/K.L. Kapoor prose/method sherani criticism awards ;
- (iv) Compilation and publication of literary and other works ;
- (v) Pension to writers.'

### Development of Sanskrit :

10.47 In order to promote Sanskrit language and its literature in Punjab, a sum of Rs. 1.20 lakhs for the Annual Plan 1992-93 has been provided for the translation of Sanskrit books into Punjabi, grant to libraries, revival of Sanskrit, drama, holding

of seminars and debates, publication and reproduction of rare books and departmental publications, publicity, honouring of Sanskrit scholars, prize to the best literary books etc.

### Construction of Bhasha Bhawan Complex, Patiala :

10.48 Construction of Bhasha Bhawan building was under taken at the estimated cost of Rs. 100.00 lakhs by providing an allocation of Rs. 50.00 lakhs during 1988-89. A sum of Rs. 112.00 lakhs has already been spent during the Seventh Five Year Plan. A sum of Rs. 43.48 lakhs has also been spent during 1990-91. Deptt. has reported that the cost of construction of complex is likely to become Rs. 621.00 lakhs. A sum of Rs. 100.00 lakhs for the Annual Plan 1992-93 has been provided.

### Other Schemes :

10.49 A sum of Rs. 58.40 lakhs has been proposed for the Annual Plan for the implementation of Plan Schemes, namely, Micro Filming (Rs. 15.00 lakhs), Training to high speed stenographers (Rs. 2.20 lakhs), Punjabi Week (Rs. 15.00 lakhs), preparation of trilingual self teachers (Rs. 1.00 lakh), Training to interpreters (Rs. 1.00 lakhs,) publication of books (Rs. 16.00 lakhs) language laboratory (Rs. 8.20 lakhs).

### SPORTS AND YOUTH SERVICES

10.50 Under the sub-head of Development of Sports and Youth Services the programme pertaining to Deptt. of Youth Services, Sports, Physical Education of D.P.I. (Secondary & Colleges) would be implemented at the cost of Rs. 1173.00 lakhs during 1992-93.

### Youth Welfare Programme :

10.51 In order to involve students as well as non-students in the creative pursuits an allocation of Rs. 847.60 lakhs for the Annual Plan 1992-93 has been provided. Level of grant-in-aid to the universities attained by the end of 1989-90 under the main National Service Scheme of the Youth Welfare Deptt. is transferred to the non-plan side. In order to meet the expenditure for the implementation of the scheme beyond that levels, an allocation of Rs. 40.00 lakhs is being provided for the year 1992-93.

10.52 C—BYTE : Employment-oriented scheme 'Establishment of National Task Force Grant-in-aid,' renamed as 'Centre for Training & Employment of Border Youth' was admitted with an allocation of Rs. 500.00 lakhs during the year 1989-90 to absorb the youth in self-employment, Police/Para-military Forces etc. Selected youths would be imparted specific training for a period of 6 to 8 months for their absorption in the self-employment, if necessary by upgrading their skill through courses in ITIs/Polytechnics. A sum of Rs. 700.00 lakhs for the Annual Plan 1992-93 has been provided for this purpose to cover 5000 youths for providing employment.

## Direction and Administration

**10.53 Establishment of Distt. Youth Centres :** Deptt. wants to create some posts for two Distt. Youth Centres one each at Faridkot and Kapurthala. The other distts. were covered during the Seventh Five Year Plan and are functioning on the non-Plan side. In order to derive maximum benefits from the large number of youth activities and welfare programmes conducted by different deptts. like Social Welfare, Rural Development and Panchayat, Health and Family Welfare, Education Sports, Cultural, Public Relations and most of the other Departments, it is very much essential that a very intimate and close coordination is carried out between all these Departments and their on-going programmes. For effective coordination between the rural youth and various Govt. Deptts., Non-Govt. agencies, the deptt. of Youth Services intends to create various posts at Distt. level. A sum of Rs. 11.50 lakhs for the Annual Plan 1992-93 has been provided.

**10.54 Establishment of State Youth Training and Development Centres :** In order to provide training and administrative facilities Department has proposed to establish a State Youth Training and Development Centres in the State. Youth leadership training courses, Seminars and workshops, In-service Training Courses on Youth affairs and other training courses for youth development and youth management would be conducted in the said centre. A sum of Rs. 0.90 lakh for the Annual Plan 1992-93 has been provided.

**10.55 Youth Festivals/Awards :** With a view to engage the youth—both the students and non-students in the constructive pursuits, Zonal level festivals of 3 to 4 days duration will be organised. To give recognition to outstanding work done by young persons in the field of national development and social services, Deptt. has formulated Shaheed-E-Azam Bhagat Singh State Youth Awards Scheme for giving of 24 youth awards for excellence in youth work in one or more fields. A ceremonial function to distribute the State Youth Award will also be organised. A sum of Rs. 5.40 lakhs for the Annual Plan 1992-93 has been provided.

**10.56 Teachers Training Camps :** The college/school students getting training under various schemes of the youth welfare cannot function effectively as a disciplined group unless one teacher from the same college/school is also trained. The teachers training camp of 10 days duration would be held at the cost of Rs. 0.70 lakh for the Annual Plan 1992-93.

**10.57 Other Programmes :** The other programmes such as Youth Leadership, Training, Hiking, Trekking, Mountaineering (Rs. 8.40 lakhs), grant-in-aid to schools/colleges youth clubs (Rs. 2.40 lakhs), Inter-State tours (Rs. 4.80 lakhs), celebration of National Youth Day/Week (Rs. 1.50 lakh) would be implemented at the cost of Rs. 17.10 lakhs during the Annual Plan 1992-93.

**10.58 Yuva Bhawan :** To overcome the problem of obtaining satisfactory avenues for courses, seminars, conferences, meetings and

accommodation for youth at reasonable cost, a Yuva Bhawan would be established at Chandigarh, 1.5 acre land in Sector 42-A has already been allotted by Chandigarh Administration. For the construction of this building a sum of Rs. 72.00 lakhs for Annual Plan 1992-93 has been provided.

**10.59 Shaheed-E Azam Bhagat Singh Adventure Academy :** For the setting up of Shaheed-E-Azam Bhagat Singh Adventure Academy, a sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 for the creation of staff and for the purchase of equipment has been provided. Adventure activities incorporating basic courses of 15 days duration covering rock climbing, mountaineering, hiking-trekking, skating, hand gliding and sailing etc. would be started. Apart from this training to instructors from various adventure clubs up to command of level proficiency in different disciplines of adventures activities would also be imparted.

**10.60 Upkeep and Maintenance of Youth Hostels :** The construction of Youth Hostels is a joint venture between Centre and the State Governments while the Central Government bears the cost of construction of Youth Hostels, State Government provides developed land measuring about 2 acres free of cost, with connection of water, electricity, approach road and staff quarters and according to the scheme it is the duty of the State Government to provide funds for the up-keep and maintenance of the youth hostels. A sum of Rs. 2.40 lakhs for the Annual Plan 1992-93 has been provided.

**10.61 Establishment of Village Youth Clubs :** The Village Youth Clubs with components of (i) vocational training centres (ii) village development camps and (iii) organisation of village youth clubs would be set up in villages in the state with an allocation of Rs. 12.00 lacs during 1992-93.

## SPORTS

**10.62 Punjab is a leading State in the matter of Sports.** A sum of Rs. 150.00 lakhs for the Annual Plan 1992-93 has been provided to implement various schemes of the Sports Department.

**10.63 Coaching Schemes :** By the end of Seventh Five Year Plan coaching facilities were provided upto Distt. Headquarters in almost all the sports disciplines. Now the Department intends to extend its purview upto sub-division level. Under this scheme free technical training and sports equipment to the players who would come for training at the centres would be provided. Refreshment to the trainees would also be provided. Some staff at the district/State headquarters would also be created. A sum of Rs. 12.00 lakhs for the Annual Plan 1992-93 has been provided to implement this scheme.

**10.64 Competition Schemes :** There can be no improvement in the standard of performance of the individual without competition. In order to involve maximum youth in the Sports Competition and activities, Department of Sports intends to introduce weekly/fortnightly

competitions at village, block, tehsil, Distt. and State level. Position holders upto 3rd place will be given cash award as per approved by Government. This scheme would be implemented at the cost of Rs. 10.00 lakhs for the Annual Plan 1992-93.

**10.65 Sports Scholarships:** Under this scheme Sports Scholarships to the players who achieve distinction of State level and National level rural sports competition will be awarded. This will help to locate the sports talent especially in rural area and also the State in bringing the rural youth to main stream of life. A sum of Rs. 2.00 lakhs for the Annual Plan 1992-93 has been provided for Sports Scholarships.

**10.66 Sports equipment :** Sports equipment is the basic necessary of the players but they cannot afford to have their own equipments because of high cost. In order to provide sports equipments to the players, a sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.67 Sports Complexes :** The work relating to the construction of sports complexes has been entrusted to the Punjab State Sports Council. The Sports Department through the Sport Council extends grant-in-aid to Deputy Commissioners, Municipalities and Panchayats etc. for the construction of Sports Complexes who provide land free of cost to sports Department. Besides, this Govt. of India/Sports Authority of India extend matching grant for the construction of sports complex. A sum of Rs. 20.00 lakhs for the Annual Plan 1992-93 has been provided for the construction of Sports Complex in the State.

**10.68. Providing of Sports Complex/Play Ground in Villages.**—With a view to make sports a mass movement sports facilities would be made available at the estimated cost of about Rs. 0.50 lakh per village and a sum of Rs. 20.00 lakh has been provided during 1992-93.

**10.69. Other Schemes.**—The other new programme/schemes such as Establishment of SPDA centres (Rs. 13.00 lakhs), Establishment of Hockey Academy at Jalandhar (Rs. 2.00 lakhs), providing of sports complexes/play grounds in villages (20.00 lakh) of sports facilities at block level (Rs. 20.00 lakhs), Creation of sports facilities at District level (Rs. 21.00 lakhs), Modern Sports Complex at Mohali (Rs. 20.00 lakhs) would be implemented at the cost of Rs. 96.00 lakhs during the Annual Plan 1992-93.

## ART AND CULTURE

**10.70.** A sum of Rs. 393.00 lakhs is being kept to implement the following schemes under this sub-head during 1992-93. The plan schemes namely 'Revival of folk songs/dances' and 'setting up a mobile cultural unit' have been merged into new plan scheme 'Establishment of Institute of Lok Virsa of Punjab'.

### Direction and Administration :

**10.71.** A sum of Rs. 5.00 lakhs has been provided for the Annual Plan 1992-93 for the purpose of creation of posts.

**10.72 Grant-in-aid/endorowment.**—Grant-in-aid/endorowment is given to the institutions engaged in the promotion of Punjabi Art and Culture after inviting applications against the specific projects to be undertaken by the respective societies/institutions. State Art Councils with three allied academies, namely, Punjab Natak Akademy, Punjab Sahitya Academy and Punjab Lalit Kala Academy and other private amature institutions which are engaged in the development of art & culture in the State would be covered under this scheme. A sum of Rs. 7.00 lakhs for the Annual Plan 1992-93 has been provided.

**10.73 Holding of Musical/Cultural Festivals, Melas etc.**—With a view to project the image of Punjab's Culture a large number of fairs and festivals are celebrated in the State. Youth Festivals and Drama competitions to involve the youth in the development of art and Culture for the promotion of National Integration are also arranged under this scheme. Cultural troupes are also being sponsored under the scheme with a view to establish cultural links amongst the Punjabi scattered in other parts of the country. Apart from this following Programmes would be organised in each district every year :—

- (i) Lok Gayaki and Lok Sangeet Sammelans.
- (ii) Sugam Sangeet and Shastri Sangeet Sammelan.
- (iii) Kavi and Kahani Durbars.
- (iv) Natak and Bal Nat Melas.
- (v) Exhibition of Painting Sculptures and portraits, etc.
- (vi) Cultural Melas, etc.

A sum of Rs. 43.00 lakhs for the Annual Plan 1992-93 has been provided for this purpose.

**10.74 Promotion of Punjabi Films/Punjabi Tele Films.**—To Promote the Punjabi Film and Tele Films/Tele serials awards would be given every year in its various fields i.e. best story, best producer, best director, best actor/actress etc. For the implementation of this, a sum of Rs. 5.00 lakhs for the Annual Plan 1992-92 has been provided.

**10.75. Cultural Complex at Mohali.**—A Cultural Complex at Mohali for which land measuring 4.84 acre in Sector-62 has already been allotted would be set up during Eighth Five-Year Plan. In Cultural Complex there would be a provision of open air theatre, audio video studio, auditorium, green room and conference hall. A sum of Rs. 50.00 lakhs for the Annual Plan 1992-93 has been provided.

### Other Schemes :

**10.76.** The other New Plan Schemes, namely, Pension to Artists (Rs. 20.00 lakhs), Setting up of Patiala Gharana Music Akademy (Rs. 9.00 lakhs), Setting up of Distt. Punjab Cultural Centre (Rs. 50.00 lakhs) and Establishment of Institutes of



Lok Virasa of Punjab (Rs. 10.00 lakhs) will be implemented cost of Five-Year Plan. A sum of Rs. 89.00 lakhs has been provided to implement these schemes during 1992-93.

#### Archaeology :

10.77. An allocation of Rs. 22.00 lakhs for Annual Plan 1992-93 has been provided to implement various schemes pertaining to Archaeological wing.

10.78 A sum of Rs. 10.00 lakhs for the Annual Plan 1992-93 has been provided for the conservation and preservation of various protected monuments. Excavation and Exploration including publication of Archaeological reports would be carried out by the deptt. at different places in the State at the cost of 8.00 lakhs during the Annual Plan 1992-93. The other plan schemes, namely, Chemical conservation of painting (Rs. 1.00 lakh), Modernisation of chemical conservation laboratory (Rs. 1.00 lakh), Strengthening of reference library (Rs. 1.00 lakhs) will be implemented during 1992-93.

#### Museum :

10.79 The Plan Schemes pertaining to the museums wing would be implemented at the cost of Rs. 63.00 lakhs during the year 1992-93.

10.80 **Museum Publication.**—A sum of Rs. 2.00 lakhs for the Annual Plan 1992-93 has been provided for the publication of literature/brouchers on all the museums and preparation of catalogue of paintings.

10.81 **Renovation/Improvement and display in museum/galleries.**—Under this scheme an allocation of Rs. 5.00 lakhs for the Annual Plan 1992-93 has been provided for the improvement in display on latest technique, provision of security measures, vehicles and telephone facilities in the existing museums in the State.

10.82 **Opening of new museums.**—The main objective of the museum is to acquire, preserve and display the art objects and to educate people of all walk of life in general and students in particular about the cultural heritage of the nation. It also provide adequate material for research scholar. A sum of Rs. 30.00 lakhs for the Annual Plan 1992-93 has been provided.

10.83 **Setting up of cultural museum-research/reference library.**—A cultural museum-research and reference library would be set up at Sector 62, Mohali. Headgears museum i.e. museum of turbans will be set up in three different phases i.e. Turbans of Punjab, Turbans of India and Turbans of world. A sum of Rs. 20.00 lakhs for the Annual Plan 1992-93 has been provided.

#### Other Schemes :

10.84 The other plan schemes, namely, Insurance of Madels and Art objects (Rs. 1.00 lakh),

Purchase of modern machinery and equipments for Archaeology and Museum (Rs. 3.00 lakhs) will be implemented cost of Rs. 4.00 lakhs during 1992-93.

#### Archives :

10.85 An allocation of Rs. 79.00 lakhs for the Annual Plan 1992-93 has been provided for the implementation of various schemes pertaining to the Archives Deptt.

10.86 **Modernisation and preservation of Archives.**—Under this scheme, the objective of which is to examine the various offices at Distt. level and to acquire the permanent ones for their proper preservation would be implemented at the cost of Rs. 1.00 lakh during the year 1992-93.

10.87 **Modernisation and preservation techniques.**—An allocation of Rs. 4.00 lakhs for the Annual Plan 1992-93 has been provided for the preservation of Records on the modern scientific techniques under this scheme.

10.88 **Construction of Archival Building.**—The Deptt. has purchased a plot in Sector-38, Chandigarh for the construction of Archival Building. Previously the building was to be jointly constructed sharing the cost 50 : 50 by the Revenue Deptt. and Archives Deptt. But now it has been decided that the State Archival building is to be constructed by the Archives Deptt. itself. For this purpose, a sum of Rs. 70.00 lakhs for the year 1992-93 has been provided.

#### Other Plan Schemes :

10.89 The other Plan Scheme, namely, Setting up of Cell at Amritsar for material relating to Maharaja Ranjit Singh (Rs. 0.40 lakh), Strengthening of Archival Library (Rs. 0.40 lakh), Maintenance and editing of record/documents (Rs. 2.00 lakhs) and the development of Archives Gallery (Rs. 0.20 lakh) will be implemented at the cost during the year 1992-93.

#### Technical Education

10.90 The department of Technical Education is charged with the responsibility of Training and manpower needs of Technology both at Diploma (Supervisory) and Graduate levels. Science and Technology, of late is regarded an effective instrument for socio-economic prosperity of a country. There can be marginal increase in agricultural output as about 85% of the land had already been put under cultivation. The major thrust, therefore, has to be on the industrial growth in the State to keep pace with the development of



Sr. No.	Programme	7th Plan				
		Approved outlay	Actual Exp.	Annual Plan 1990-91 Approved outlay	Annual Plan 1991-92 outlay	Annual Plan 1992-93 Approved outlay
1	2	3	4	5	6	7
1	Direction and Administration	.. 10.00	15.61	1.00	—	—
2	Government Polytechnics	.. 1146.75	649.82	40.00	241.70	256.00
3	Industrial Training Schemes	.. 200.00	107.18	145.00	105.00	224.00
4	Govt. Engineering colleges	.. 809.00	839.71	630.00	1476.90	603.00
5	Assistance to Non-Govt. Engineering colleges..	95.50	48.84	4.00	2.00	10.00
6	Private Poly.	.. 171.75	71.16	20.00	5.00	70.00
7	Other Programmes	.. 71.00	43.12	60.00	16.00	25.00
8	New Schemes	.. —	—	—	614.00	379.00
9	World Bank aided Schemes	.. —	—	—	1460.82	3011.00
Total		.. 2504.00	151.14	1000.00	3921.42	4578.00

the State which will require additional manpower particularly in Engineering Technologies. The civil facilities like buildings, Roads, Public Health have to extend.

10.91 The Technical Education, hitherto, was concerned with the training in conventional Fields i.e. Civil, Electrical and Mechanical Engineering. These conventional courses, in fact give broadbase education training. The skill acquired during these courses is not geared to the requirements of modern industry using highly sophisticated processes necessitating specialised knowledge of training, the department being aware of this gap, undertook to consolidate and update the training programmes in the following manners :—

- (i) By Planning Specialist course in Emerging Technology both at degree and diploma levels.
- (ii) By Planning Courses in uncovered field both at degree and diploma levels.
- (iii) By consolidating the Broad-based programmes.
- (iv) Opening of new institutes both at degree and diploma level.

10.92 According to the policy laid-down by the All India Council for Technical Education, the Institutes within the Approved annual intake, should increase the supply of Technical manpower

by improving the efficiency and effectiveness of education process through making shifts in the intake capacity between the discipline in connection with the emerging manpower needs. The Policy further *intra alia* lays down that the new courses should be based on well established and well defined manpower needs.

10.93 Programme-wise outlays/expenditure during Seventh Plan is given below :—

10.94 Under the new Education Policy, great stress has been laid to strengthen the Directorates of Technical Education further so as to enable them to perform professional functions effectively to tackle the problems which pose great challenges in the field of Technical Education. The Professional role of the Directorate at present is reported to be totally neglected as due to lack of necessary professional staff only of the routine administrative functions are being attended to by the Directorate. Against the outlay of Rs. 10.00 lakhs, an expenditure of Rs. 15.61 lakhs has been incurred during 7th Plan under this scheme. The staff created/likely to be created would be transferred to the Non-Plan side during 1990-91. During 1991-92, this programme has been included under the World Bank aided schemes.

#### 1. Development of Special Trade Institutions :

10.95 Five Special Trade Diploma level Institutions, namely—(i) Government Polytechnic for

women, Jalandhar (ii) Government Institute of Garment Technology, Amritsar (iii) Punjab Institute of Textile Technology, Amritsar (iv) Government Training Institute, Jalandhar and (v) Government Institute of Textile Chem. and Knitting Technology, Ludhiana were reported to be started about 25 years back in the State. The syllabi being followed in the Special Trade Institutions has become obsolete and to meet the present day requirements of Industry, the Technical Teachers Training Institutions have suggested drastically new curriculum and scheme of studies which entail the replacement of most of the existing machinery and equipment in the laboratories and workshops of these Institutions. In order to provide machinery, equipment and accordingly affecting additions in the building and also for creation of staff, against the outlay of Rs. 195.00 lakhs, an expenditure of Rs. 100.30 lakhs has been incurred in the 7th Plan. A sum of Rs. 145.00 lakhs (Exp.—54.93 lakhs) has been provided for 1990-91. In Annual plan 1991-92, an outlay Rs. 105.00 lakhs (Exp. 74.90 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 224.00 lakhs has been provided for this purpose.

## 2. New Engg. Colleges :

2. 10.96 (i) A token provision of Rs. 2.00 lakhs has been provided for 5 new Engineering Colleges under special Initiative through grant-in-aid under this scheme in the Annual Plan 1992-93.

## 3. Revision of Staff structure :

10.97 Most of the Schemes/programmes started during Seventh Plan would be transferred to the Non-Plan side. Department has reported that the Revision of Staff structure scheme was not cleared during Seventh Plan. An outlay of Rs. 4.00 lakhs (No expenditure) has been provided during 1990-91. In Annual Plan 1991-92, an outlay of Rs. 6.00 lakhs (No Expenditure) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 8.00 lakhs has been provided for this purpose.

## GOVERNMENT POLYTECHNICS

### 4. Production-cum-Training Centre at G.P. Amritsar :

10.98 Under this scheme, an opportunity to the staff as well as to the students to have exposure to actual production processes on one hand and to provide Training to the students on the other hand is given. An amount of Rs. 3.00 lakhs was released by Govt. of India under this scheme. Building has already been completed. An outlay of Rs. 2.00 lakhs (No Expenditure) has been provided for purchase of equipment and furniture in Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 3.00 lakhs has been provided for this purpose.

### 5. Service-cum-Training Centre at G.P. Batala :

10.99 The Centre will provide opportunity to the staff and students of polytechnics for participating in real job situation. Building has been completed. To purchase necessary equipment and to pay salary to the staff, an outlay of Rs. 2.00 lakhs (Exp. Rs. 0.15 lakhs) has been provided for in

the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 3.00 lakhs has been provided for this purpose.

### 6. Government Polytechnic, Bathinda :

10.100 Construction activities of the Government Polytechnic, Bathinda have since been completed and the Institution has not become fully functional. An expenditure of Rs. 301.93 lakhs has already been incurred in the 7th Plan. Out of Rs. 15.00 lakhs (No expenditure) an outlay of Rs. 5.00 lakhs has been released during 1990-91. In Annual Plan 1991-92, an outlay of Rs. 15.00 lakhs (Exp-40.90) lakhs has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 5.00 lakhs has been provided for this purpose.

### 7. Government Polytechnic, Patiala :

10.101 Department has reported that the site for Polytechnic at Patiala has been procured and Construction activities thereon have also been started. Department intends to start classes from July next i.e. 1990. An expenditure of Rs. 160.62 lakhs has been incurred during 7th Plan. An allocation of Rs. 80.00 lakhs (Expenditure—Rs. 44.54 lakhs) for the construction of building and also for the creation of requisite staff to run the Institution has been provided for 1990-91. In Annual Plan 1991-92, an outlay of Rs. 190.00 lakhs (Exp. 183.38 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 200.00 lakhs has been provided for this purpose.

### 8. Govt Polytechnic, Ferozepur :

10.102 This Polytechnic was to be set up under the Border Area Development Programme, a Centrally Sponsored scheme launched by the Government of India. The infrastructural facilities for making the Institution functional are likely to be provided during 1989-90 and the classes in this Institution would also start from the next academic session i.e. July, 1990. Since there is no clearcut confirmation from the Government of India as to whether they would provide funds for running this polytechnic after the Seventh Plan, an outlay of Rs. 40.00 lakhs (Exp. 8.41 lakhs) has been provided for this purpose in Annual Plan 1991-92. In Annual Plan 1992-93 an outlay of Rs. 15.00 lakhs has been provided for this purpose.

### 9. New Institutions in Emerging Technologies :

10.103 A token provision of Rs. 5.00 lakhs has been provided for setting up of 5 new Government Institutions at Ropar, Sangrur, Ludhiana, Kapurthala and Bathinda in emerging Technology in Annual Plan 1992-93.

### 10. Commercial Practice at Amritsar :

10.104 Against the outlay of Rs. 9.00 lakhs, an Exp. of Rs. 19.13 lakhs has been incurred under this scheme during 7th Plan. In 1991-92, an outlay of Rs. 5.00 lakhs (Exp. 1.38 lakhs) has been provided to start this Course. In Annual Plan 1992-93, an outlay of Rs. 5.00 lakhs has been provided for this purpose.

**11. Pharmacy at Amritsar :**

10.105 Department has reported that facilities for starting the 2 year diploma course in pharmacy at Government Polytechnic Amritsar have been made available but classes could not be started during Seventh Plan. In order to start classes from the next session i.e. July, 1990, a sum of Rs. 1.00 lakhs has been provided for 1990-91. In Annual Plan 1991-92, an outlay of Rs. 5.00 lakhs (Exp. 7.37 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 5.00 lakhs has been provided for this purpose.

**12. Computer Engineering at G.P. Bathinda :**

10.106 An outlay of Rs. 20.00 lakhs (Exp. 10.97 lakhs) has been provided for starting Computer Engineering at G.P. Bathinda in Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 5.00 lakhs has been provided for this purpose.

**13. Post diploma course in computer Application :**

10.107 In Annual Plan 1992-93, a token provision of Rs. 10.00 lakhs has been provided for starting this Diploma Course.

**PRIVATE POLYTECHNICS****14. Revision of Staff Structure :**

10.103 The Revision of staff-structure is required in accordance with the norms of All India Council for Technical Education. An outlay of Rs. 50.00 lakhs (No Expenditure) has been provided for this purpose in private polytechnics in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 50.00 lakhs has been provided for this purpose.

**15. Electronics and Commercial Engineering at Ramgarhia Polytechnic Phagwara :**

10.109 An outlay of Rs. 10.00 lakhs (Exp. 5.00 lakhs) has been provided for diploma in Electronics and Commercial Engineering at Ramgarhia Polytechnic Phagwara in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 8.00 lakhs has been provided for this purpose.

**16. Post Diploma Course in Computer Application at Patiala :**

10.110 In Annual Plan 1992-93, an amount of Rs. 10.00 lakhs has been provided for this diploma

**17. New Polytechnics**

10.111 In Annual plan 1992-93, a token provision of Rs. 2.00 lakh has been provided for 5 new Polytechnics under special initiative through grant-in-aid.

**Government Engineering Colleges****18. R.E.C. Jalandhar :**

10.112 A regional Engineering College at Jalandhar has been made functional and classes there in have been started from the current academic session

i.e. July, 1989. Under the terms and condition for setting up a Regional Engineering College, State Government is required to provide land for its development. The developmental activities like Sewerage, Street lights, water supply system internal roads and electricity would be carried out by the State Government. The entire non-recurring expenditure would be borne by the Central Government and recurring expenditure would be shared on 50 : 50 basis by Central and State Government. Department intends to purchase additional 50 acres of land for the growth of College. A sum of Rs. 130.00 lakhs (Expenditure—98.65 lakhs) for the purchase of land and its development and also to meet 50% recurring expenditure has been provided for 1990-91. In Annual Plan 1991-92, an outlay of Rs. 200.00 lakhs (Exp. 377.72 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 143.00 lakhs has been provided for this purpose.

**19. Government Engineering College, Bhatinda :**

10.113 The Government Engineering College at Bhatinda had started functioning from the current academic session i.e. 1989-90. Department has reported that some of the buildings, are yet required to be constructed and land is also required to be developed. Apart from this, the college also require additional faculty for teaching as well as on Administration side. Some machinery and Consumable training material would also be required. To carry out all these activities, a sum of Rs. 250.00 lakhs (Expenditure—Rs. 274.46 lakhs) has been provided for 1990-91. In Annual Plan 1991-92, an outlay of Rs. 1100.00 lakhs (Revised 862.67 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 300.00 lakhs has been provided for this purpose.

**20. Institute of Entrepreneurial Development and Management :**

10.114 Department has reported that the Government has decided to establish an Institute of Entrepreneurial Development and management at Ludhiana. This Institute would be set up at the total cost of about Rs. 550.00 lakhs. A sum of Rs. 50.00 lakhs has been provided for the purchase of land required for this institution during 1990-91. In Annual Plan 1991-92, an outlay of Rs. 70.00 lakhs (Exp. 15.00 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 100.00 lakhs has been provided for this purpose.

**21. Longowal Institute of Engineering and Technology :**

10.115 With a view to perpetuate the memory of Late Sant Harchand Singh Longowal, Government of India have decided to set up Longowal Institute of Engineering and Technology at Longowal. The Institute reported to be of its own kind and unique type. The Course in this Institute would be started in a phased manner. In the first phase, 10 diploma and 12 Certificate Courses will be started. When necessary infrastructural facilities would be made available, Classes of degree and research level would also be started. About 300 acres of land for setting up this Institution has already been acquired and acquisition about 408 acres of land is to be under process. The provision of land is the responsibility of the State Government while the other expenditure would be borne by the

Central Government. For purchase of land, a sum of Rs. 100.00 lakhs (Expenditure—Rs. 32.76 lakhs) has been provided for 1990-91. In Annual Plan 1991-92, an outlay of Rs. 200.00 lakhs (Exp. 197.86 lakhs) has been provided for purchase of land. In Annual Plan 1992-93, an outlay of Rs. 50.00 lakhs has been provided for this purpose.

## 22. National Institute of Pharmaceutical education and research

10.116 In order to create facilities for research work in Pharmacy, The National Institute of Pharmaceutical Education and Research is reported to be set up in the Punjab State. The liability of the state Govt. would be to provide land and other infrastructure would be created with the assistance from the Central Govt. In order to purchase land for this Institute a sum of Rs. 100 lakhs (No Expenditure) has been provided an outlay of Rs. 400.00 lakhs 1990-91. In Annual Plan 1991-92 (Exp. 556.21 lakhs) has been provided for purchase of land. No outlay has been for this purpose in Annual Plan 1992-93.

## 23. New Degree level Institutions :

10.117 A token provision of Rs. 10.00 lakhs has been provided for setting up 5 new degree level institutions at Ropar, Amritsar, Faridkot, Hoshiarpur and Gurdaspur in Annual Plan 1992-93.

### Other Programmes

## 24. Modernisation/Strengthening of Polys :

10.118 New equipment/machinery as suggested by the Technical Teachers Training Institute, Chandigarh is being replaced in the existing Government Polytechnics to meet the changing Technological requirements. During 1990-91, an outlay of Rs. 20.00 lakhs has been provided for this purpose. In Annual Plan

1992-93, an outlay of Rs. 10.00 lakhs has been provided for this purpose.

## 25. Student Amenities

10.119 The Government Polytechnics were set up 10 to 17 years back and since then no major campus development activities were undertaken. It is necessary to provide student amenities for sports creative hobbies and cultural activities. An allocation of Rs. 20 lakhs has been provided for 1990-91 for this purpose. In Annual Plan 1991-92 an outlay of Rs. lakhs 16.00 has been provided for this purpose. In Annual Plan 1992-93, an outlay has been provided for this purpose.

## 26. Scholarships :

10.120 In Annual Plan 1991-92, an outlay of Rs. 2.00 lakhs (No exp.) has been provided for this purpose. In Annual Plan 1992-93, no outlay has been proposed for this purpose, as this Scheme is already included on the non-plan side.

## 27. Development of Libraries :

10.121 It has been reported that library services and their utilisation by Staff and students are not satisfactory in almost all the Technical Institutions in the State. In order to provide the facilities of library services in the State, a sum of Rs. 20.00 lakhs has been provided for 1990-91. In Annual Plan 1991-92 an outlay of Rs. 10.00 lakhs (Exp. 9.68 lakhs) has been provided for this purpose. In Annual Plan 1992-93, an outlay of Rs. 10.00 lakhs has been provided for this purpose.

## 28. Examinations :

10.122 An outlay of Rs. 5.00 lakhs (No Exp.) has been provided for conducting various diploma level examinations on behalf of the State Board of Technical Education in respect of all the Institutions/Courses affiliated to it, during Annual Plan 1991-92. No outlay

Serial No.	Name of the component	1991-92		1992-93	
		Approved outlay	Capital content	Approved outlay	Capital content
1	2	3	4	5	6
1	Direction and Administration	79.25	40.00	210.18	100.00
2	New Institutions/courses in Govt. polytechnics Institutes	673.56	476.24	1777.33	939.03
3	Private Polytechnics	240.76	107.76	520.49	247.14
4	Other Programmes	237.43	204.00	493.00	226.00
Total		1231.00	768.00	3011.00	1512.22

has been provided for this purpose in Annual Plan 1992-93 as this scheme is already included on the non-Plan side.

## 29. Installation of Tubewells :

10.123 An out-lay of Rs. 5.00 lakhs has been provided for installation of tubewells in various institutions in the Annual Plan 1992-93.

### 30. Introduction of 3 years degree Course for Diploma holders in Engineering Colleges :

10.124 In Annual Plan 1992-93, an outlay of Rs. 1.00 lakhs has been provided for introduction of 3 years degree Course for diploma holders in existing Engineering Colleges.

### 31. Setting up 4 new Polytechnics under Border Area Development Programme :

10.125 It has been proposed to set up 4 new Polytechnics under Border Area Programme at Amritsar, Ferozepur, and 2 at Gurdaspur In Annual Plan 1992-93, an outlay of Rs. 10.00 lakhs has been provided for setting up Polytechnic at Amritsar only.

### 32. Revision of Staff Structure in Special Trade Institutions :

10.126 An outlay of Rs. 10.00 lakhs has been provided in Annual Plan 1992-93 for revision of staff structure in Special Trade Institutions.

### 33. Purchase of land for State Board of Technical, Education / Polytechnics at Amritsar, Ludhiana and Ropar.

10.127 An outlay of Rs. 158.00 lakhs for purchase of land for State Board of Technical Education and Polytechnics at Ropar has been provided in Annual Plan 1992-93.

### World Bank Aided Project :

Various programmes/schemes have been proposed to be implemented with the World Bank Assistance to the tune of Rs. 79.48 crores. For this purpose, an outlay of Rs. 12.31 crores have been provided in the Annual Plan 1991-92, out of which, share of the World Bank is 70% and share of the State Govt. is 30%. In Annual Plan 1992-93, an outlay of Rs. 3011.00 lakhs has been provided for this purpose. Various Components to be implemented under this project are as under :—

#### 10.115 Direction and Administration :

10.128 An outlay of Rs. 79.25 lakhs has been provided to implement various programmes/schemes

in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 210.18 lakhs has been provided for implementing various programmes. The schemes included under this component are strengthening of Directorate, Establishing continuing centre, Autonomy to State Board of Technical Education, State Project Implementation Unit and setting up of curriculum Development Centre in the Directorate.

#### 10.116 New Institutions/Course in Govt. Polytechnics/Institutions :—

An outlay of Rs. 673.56 lakhs has been provided to implement various schemes in the Annual Plan 1991-92. However, it has been revised to Rs. 903.38 lakhs. In Annual Plan 1992-93, an outlay of Rs. 1777.33 lakhs has been provided under this component. Under this component, 2 Polytechnics for women has been proposed to be set up. Various courses are also proposed to be started under this component in different polytechnics.

#### 10.117 Private Polytechnics :—

10.129 An outlay of Rs. 240.76 lakhs has been provided in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 520.49 lakhs has been provided for this purpose. Under this component, various courses are proposed to be started in different polytechnics. Other programmes like Autonomy to Thaper Polytechnics Patiala, faculty Development, Modernisation of equipment, strengthening of community Polytechnic Wing and application of Science & Technology model project and Industry institute interaction has also been included.

#### Other Programmes :

10.130 An outlay of Rs. 237.43 lakhs has been provided under this component in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 493.00 lakhs has been provided for this purpose. Various schemes like student Hostel & staff Quarters Modernisation of existing polytechnics and Establishing Maintenance cell have been included under this component.

The details of the schemes/programmes under each of above mentioned component is attached at Annexure 'A'.

#### ANNEXURE—'A'

#### WORLD BANK AIDED SCHEMES

Name of the Component/Schemes	1991-92		1992-93	
	Approved outlay	Capital content	Approved outlay	Capital content
1	2	3	4	5
<b>TEI. 30—Direction and Administration</b>				
(a) Strengthening of Directorate	18.00	—	31.50	—
(b) Establishing continuing Education centre	—	—	9.40	—
(c) Autonomy to State Board of Technical Education	52.00	40.00	151.00	100.00
(d) State Project implementation unit	7.25	—	15.00	—
(e) Setting up of Curriculum Development Centre in Directorate	2.00	—	3.28	—
<b>Total</b>	<b>79.25</b>	<b>40.00</b>	<b>210.18</b>	<b>100.00</b>

Name of the Component/Scheme	1991-92		1992-93	
	Approved Outlay	Capital Content out of column	Approved outlay	Capital content
1	2	3	4	5
<b>TE 1.31 New Institutions/Courses in Govt. Polytechnics/Institutions :</b>				
(a) Starting of Diploma course in Fashion design at Govt. Institute of Garment Technology, Amritsar.	6.50	3.00	14.20	3.60
(b) Govt. Poly. for women, Ludhiana	100.00	90.00	335.00	250.00
(c) Govt. Poly. for women, Amritsar	100.00	90.00	335.00	250.00
(d) Govt. Polytechnic for women, Ropar	100.00	90.00	335.00	250.00
(e) Diploma Course computer aided design at Govt. Poly., Hoshiarpur	28.70	10.00	50.82	10.62
(f) Diploma in computer Engineering at Government Polytechnic, Amritsar	16.00	13.33	38.00	16.67
(g) Diploma in Electronics at Government Polytechnic, Batala and G.T.B. Garh	25.00	20.00	77.75	40.00
(h) Diploma in computer aided Design at G.T.B. Garh, Government Polytechnic for Women, Patiala and Punjab Institute of Textile Technology, Amritsar	86.10	30.00	152.47	31.87
(i) Diploma in maintenance Engineering at Government Polytechnic, Batala	28.70	10.00	50.82	10.62
(j) Diploma in Medical Technology at Government Polytechnic, Amritsar	28.70	10.00	50.82	10.62
(k) Diploma in Microprocessor at Government Polytechnic, Ferozepur	28.70	10.00	50.82	10.62
(l) Diploma in Instrumentation at Government Polytechnic at Bhatinda	28.70	10.00	45.82	5.62
(m) Continuing Education Centre at Polytechnic, Amritsar, Batala, Hoshiarpur and Punjab Institute of Textile Tech. Amritsar	12.00	8.00	26.32	12.00
(n) Computer facilities in Government Polytechnic Wings in two Polytechnics	32.27	13.75	137.79	19.25
(o) Strengthening of Community Polytechnic Wings in Two Polytechnics	7.79	3.43	17.49	8.56
(p) Faculty Development in Government Polytechnics	24.67	—	24.67	—
(q) Industry Institute Interaction	19.43	4.73	34.50	8.00
<b>Total</b>	<b>673.56</b>	<b>416.24</b>	<b>1777.33</b>	<b>939.06</b>
<b>TE 1.32 Private Polytechnics :</b>				
(a) Diploma course in computer Engineering in M.C. Polytechnic, Jalandhar and G.N. Polytechnic, Ludhiana	32.00	26.67	76.00	33.33
(b) Diploma course in computer App. at Thapar Polytechnic at Patiala	14.50	10.00	37.50	20.00
(c) Diploma in maintenance Engineering at G.N. Polytechnic, Ludhiana	28.70	10.00	30.82	10.00

Name of the Component/Scheme	1991-92		1992-93	
	Approved outlay	Capital content	Approved outlay	Capital content
1	2	3	4	5
(d) Establishing continuing Education Department in Private Polytechnic, Patiala ..	3.00	2.00	7.77	3.00
(e) Introducing Flexibility in Private Polytechnic, Patiala ..	5.42	—	6.67	—
(f) Computer facility ..	2.93	1.25	12.52	1.75
(g) Autonomy to Thapar Polytechnic, Patiala ..	7.90	2.00	12.80	4.00
(h) Faculty development ..	6.58	—	6.58	—
(i) Modernisation and equipment (Private) ..	8.57	—	160.80	100.00
(j) Strengthening of Community Polytechnic Wing ..	19.46	8.57	43.03	21.44
(k) Integrated Rural Development Project ..	166.44	46.01	104.50	50.00
(l) Industry Institute Interaction ..	5.26	1.26	11.48	3.00
<b>Total</b> ..	<b>240.76</b>	<b>107.76</b>	<b>530.49</b>	<b>247.14</b>
<b>TE-1.33 Other Programmes :</b>				
(a) Student Hostel and Staff quarters ..	113.00	100.00	228.00	200.00
(b) Modernisation of existing Polytechnics ..	121.43	100.00	90.00	—
(c) Establishing maintenance Cells ..	4.00	4.00	175.00	26.00
<b>Total</b> ..	<b>237.43</b>	<b>204.00</b>	<b>493.00</b>	<b>226.00</b>
<b>Grand Total : T.E 1.30 + T.E 1.31 + T.E 1.32 + TE 1.33</b> ..	<b>1231.00</b>	<b>768.00</b>	<b>3011.00</b>	<b>1512.22</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development /Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>221220200</b> General Education State Level Schemes					
<b>01</b> Elementary Education (Primary)					
<b>001</b> Direction and Administration					
ED 1-1 Administration and Supervision: Additional	—	1.00	0.30	1.00	—
Total (001)	—	1.00	0.30	1.00	—
<b>101</b> Government Primary School:					
ED1-2 Opening of Primary Schools	—	3.60	0.44	2.00	—
(i) Opening of Pre-primary schools	—	—	—	2.00	—
(ii) Assistance for opening of new private primary schools in rural areas	—	—	—	—	—
(iii) Conversion of existing Govt. Primary Schools into Govt. Middle Pr. School in rural areas	—	—	—	3.00	—
<b>102</b> Total (101)	—	3.60	0.44	7.00	—
ED1-3 Assistance for opening of new private Primary Schools in rural areas	—	—	—	5.00	—
Total (102)	—	—	—	5.00	—
<b>106</b> Teachers and other Services:					
ED1-4 Furniture in Primary Schools	—	—	—	—	—
ED1-5 Supply of Teaching aids and material	—	—	—	—	—
ED1-6 Part-time Sweepers in schools	—	5.00	2.00	3.00	—
ED1-7 Lavatory and drinking water facilities	—	—	—	—	—
Total (106)	—	5.00	2.00	3.00	—
<b>107</b> Teachers Training:					
ED1-8 Seminars and Workshops for DEO's/CHSs/HT	—	—	—	—	—
ED1-9 In-Service Training to JBT Teachers	—	—	—	5.00	—
Total (107)	—	—	—	5.00	—
<b>800</b> Other Expenditure					
ED1-10 Construction of class rooms/School/buildings	—	—	—	—	—
Total (800)	—	—	—	—	—
Total (Primary Schools)	—	9.60	2.74	21.00	—
<b>Middle Education:</b>					
<b>052</b> Equipment:					
ED1-11 Science equipment and apparatus	—	—	—	—	—
Total (052)	—	—	—	—	—



## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93		Of which Capital Content
	Actual Expenditure	Approved Outlay	Antici- pated Ex- penditure	Approved Outlay	
1	2	3	4	5	6
<b>101 Government Middle Schools:</b>					
ED1·12 Upgradation of Primary Schools to Middle Standard	—	14·12	1·00	13·00	—
Total (101)	—	14·12	1·00	13·00	—
<b>105 Non-Formal Education:</b>					
ED1·13 Non-Formal Education	—	—	—	—	—
Total (105)	—	—	—	—	—
<b>106 Teachers and other services:</b>					
ED1·14 Lavatory and drinking Water facilities	—	—	—	—	—
ED1·15 Furniture in Middle schools	—	—	—	—	—
Total (106)	—	—	—	—	—
<b>800 Other Expenditure:</b>					
ED1·16 Construction of classrooms/school buildings	—	—	—	—	—
ED1·17 Construction of Science Rooms	—	—	—	—	—
ED1·18 Universalisation of Elementary Education	—	3·00	3·00	3·00	—
ED1·19 Provision of facilities for the improvement of middle education	—	—	—	—	—
Total (800)	—	3·00	3·00	3·00	—
Total (Middle Schools)	—	17·12	4·00	16·00	—
Total (01)	—	26·72	6·74	37·00	—
<b>02 Secondary Education:</b>					
<b>001 Direction and Administration:</b>					
ED2·1 District Level Accounts staff	—	—	—	—	—
ED2·1 (i) Restructuring of State Council of Educational Research on Training	—	1·00	1·00	1·00	—
ED2·1 (ii) Creation of one Educational Circle	—	—	—	4·00	—
Total (001)	—	1·00	1·00	5·00	—

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in Lakhs)

Major/Minor Head of Development/ Name of the Scheme		Annual Plan, 1990-91		Annual Plan, 1991-92		Annual Plan, 1992-93	
		Actuals Ex- penditure	Appro- ved Outlay	Anticipa- ted Expenditure	Approvd Outlay	Of which Capital Content	
1		2	3	4	5	8	
<b>004</b>	<b>Research and Training:</b>						
ED2.2	Strengthening of Science Education ..	1.62	4.00	3.40	4.00	—	
ED2.2	(i) Post of Laboratory Attendance ..	—	10.00	2.00	10.00	—	
ED2.2	(ii) Improvement of Science Education in Schools ..	—	15.00	—	15.00	—	
ED2.3	Strengthening and Improvement of Primary Education (UNICEF) ..	—	0.25	—	—	—	
	Total (004) ..	1.62	29.25	5.40	29.00	—	
<b>052</b>	<b>Equipments:</b>						
ED2.4	Science equipment and apparatus ..	—	—	—	—	—	
	Total (052) ..	—	—	—	—	—	
<b>105</b>	<b>Teachers Training :</b>						
ED2.5	In-service Training to Teachers/Master/ Mistresses ..	—	—	—	—	—	
ED2.6	Setting up of new inservice training centres ..	—	23.00	6.00	10.00	—	
	(i) Setting up of vocational wings in existing inservice training centres ..	—	10.00	2.00	15.00	—	
ED2.7	Establishment of continuing Centres ..	—	—	—	—	—	
	Total (105) ..	—	33.00	8.00	25.00	—	
<b>106</b>	<b>Teachers and other Services:</b>						
ED2.8	Furniture in High/Senior Secondary Schools ..	—	—	—	—	—	
ED2.9	Lavatory and drinking water facilities ..	—	—	—	—	—	
	Total (106) ..	—	—	—	—	—	
<b>107</b>	<b>Scholarships:</b>						
ED2.10	Scholarships for poor but brilliant students ..	—	—	—	—	—	
ED2.11	Scholarships to the children of riot affected families ..	—	—	—	—	—	
	Total (107) ..	—	—	—	—	—	

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme	Annual Plan 1990-91		Annual Plan 1992-92		Annual Plan 1992-93	
	Actual Ex- penditure	Appro- ved Outlay	Antici- pated Expendi- ture	Approv- ed Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>108 Examination :</b>						
ED2.12 Holding of science talent search examination	..	—	—	—	—	—
Total (108)	..	—	—	—	—	—
<b>109 Government Secondary Schools:</b>						
ED2.13 Upgradation of middle schools to high level (Salary component)	..	—	18.88	2.00	11.00	—
ED2.15 (a) Introduction of 10+2 System of Education in Government Schools (Salary component)	..	—	315.00	315.00	500.00	—
(b) Vocational Stream of 10+2 System of Education (Salary component)	..	—	110.00	36.00	200.00	—
ED2.16 Introduction of Library Service in Govt. High Schools	..	—	—	—	—	—
ED2.17 Posts of Laboratory attendants	..	—	—	—	—	—
Total (109)	..	—	443.88	353.00	711.00	—
<b>800 Other Expenditure :</b>						
ED2.18 Construction of Science laboratories	..	—	—	—	—	—
ED2.19 Construction of Schools Buildings	..	—	—	—	—	—
ED2.20 Provision of facilities for the improvement of secondary education	..	—	—	—	—	—
4.1 Mass Education Programme	..	—	—	—	—	—
ED2.22 (i) Strengthening of Educational net work in border distt. of the State (Economic Package)	..	—	1.00	1.00	1.00	—
Total (800)	..	—	1.00	1.00	1.00	—
Total (02)	..	1.62	508.13	368.40	771.00	—
Total(Middle & Secondary)	..	1.62	525.25	372.40	787.00	—

## ANNUAL PLAN 1992-93

## STATEMENT III

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development Name of Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approv- ed Outlay	Antici- pated Expendi- ture	Approv- ed Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>03</b>	<b>University and Higher Education :</b>					
<b>001</b>	<b>Direction and Administration:</b>					
ED3.1	—	1.40	—	10.00	—	
ED3.1	—	4.00	—	4.00	—	
ED3.2	—	—	—	—	—	
	Total (001)					
	—	5.40	—	14.00	—	
<b>102</b>	<b>Assistance to Universities :</b>					
ED3.4	6.22	10.00	8.00	25.00	—	
ED3.5	35.00	40.00	20.00	40.00	—	
ED3.6	—	15.00	—	40.00	—	
ED3.7	30.00	50.00	50.00	40.00	—	
	Total (102)					
	71.22	115.00	78.00	145.00	—	
<b>103</b>	<b>Government Colleges and Institutes:</b>					
ED3.8	27.03	40.00	20.00	50.00	45.00	
ED3.9	7.65	190.60	86.36	231.00	100.00	
ED3.10	5.97	34.00	9.31	5.00	—	
	Total (103)					
	40.65	264.60	115.67	286.00	145.00	
<b>104</b>	<b>Assistance to Non-Government Colleges and Institutes</b>					
D3.11	—	100.00	—	—	—	
	Total (104)					
	—	100.00	—	—	—	
<b>105</b>	<b>Faculty Development Programmes :</b>					
D3.12	—	—	—	—	—	
	Total (105)					
	—	—	—	—	—	
<b>106</b>	<b>Text Book Development :</b>					
D3.13	—	—	—	—	—	
	Total (106)					
	—	—	—	—	—	

## ANNUAL PLAN 1992-93

## STATEMENT 111

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major /Minor Head of Development/ Name of the Scheme		Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved Outlay	Actual Expenditure	Approved Outlay	Of which capital content	
1		2	3	4	5	6	
<b>107</b>	<b>Scholarships:</b>						
ED3.14	State Merit Scholarships ..	—	—	—	—	—	
ED3.15	Scholarship to the children of Riot effected families ..	—	—	—	—	—	
	Total (107) ..	—	—	—	—	—	
<b>800</b>	<b>Other Expenditure</b>						
ED3.16	Hostels in Government Colleges ..	3.10	—	—	40.00	38.00	
	Total (800) ..	3.10	—	—	40.00	38.00	
	Total (03) ..	114.97	485.00	193.67	485.00	183.00	
<b>04</b>	<b>Adult Education</b>						
ED4.1	Mass Education Programme ..	—	—	—	100.00	—	
	Total (04) ..	—	—	—	100.00	—	
<b>05</b>	<b>Language Development</b>						
<b>102</b>	<b>Promotion of Modern Indian Languages and Literature</b>						
ED5.1	Development of Punjabi ..	11.00	11.00	11.00	12.00	—	
ED5.2	Development of Hindi ..	1.44	1.50	1.50	1.70	—	
ED5.3	Development of Urdu ..	1.50	1.50	1.50	1.70	—	
	Total (102) ..	13.94	14.00	14.00	15.40	—	
<b>103</b>	<b>Sanskrit Education</b>						
ED5.4	Development of Sanskrit ..	1.00	1.00	1.20	1.20	—	
	Total (103) ..	1.00	1.00	1.20	1.20	—	
<b>800</b>	<b>Other Expenditure</b>						
ED5.6	Construction of Bhasha Bhawan Complex at Patiala ..	43.48	100.00	107.05	100.00	100.00	
ED5.7	Micro Filming ..	—	9.60	—	15.00	—	
ED5.8	Training to High Speed Stenographers ..	2.00	2.00	1.40	2.20	—	
ED5.9	Punjabi week ..	9.00	9.00	9.00	15.00	—	
ED5.10	Preparation of Trilingual Self-teachers ..	—	1.00	—	1.00	—	
ED5.11	Training to interpreters ..	—	1.00	—	1.00	—	
ED5.12	Publication of Books ..	—	10.00	10.00	16.00	—	
E.D. 5.13	Language laboratory ..	—	0.40	0.40	8.20	—	
ED 5.14	Preservation of books & stocks ..	—	2.00	—	—	—	
	Total (800) ..	54.48	135.00	127.85	158.40	100.00	
	Total (05) ..	69.42	150.00	143.05	175.00	100.00	
	Total (2 21 2202 00) (State level) ..	185.81	1,169.85	711.86	1,568.00	283.00	

Note:—District Level Schemes Infrastructured Scheme.

## ANNUAL PLAN 1992-93

## SCHEMEWISE OUTLAY AND EXPENDITURE

## District Level Plan Schemes

## Infrastructure Oriented Schemes

(Rs. in lacs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan, 1990-91	Annual Plan, 1991-92		Annual Plan, 1992-93	
	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6
<b>DISTRICT LEVEL SCHEMES</b>					
<b>Infrastructure Schemes</b>					
ED 1.2	Opening of Primary School	0.42	—	—	—
ED 1.4	Furniture in Primary School	42.02	Merged in 1.10(ii)	—	—
ED 1.6	Part-time Sweepers in Schools	0.38	—	—	—
ED 1.7	Lavatory and drinking water facilities	16.72	Merged in 1.10(ii)	—	—
ED 1.10	Construction of classroom/school buildings	905.60	Merged into 1.19	—	—
ED 1.11	Science equipment and apparatus	9.96	Ditto	—	—
ED 1.13	Non-formal Education	2.46	Merged into 1.10(ii)	—	—
ED 1.14	Lavatory and drinking water facilities	10.03	Ditto	—	—
ED 1.15	Furniture in Middle Schools	16.80	Ditto	—	—
ED 1.16	Construction of classroom/school buildings	141.34	Ditto	—	—
ED 1.17	Construction of Science Rooms	64.04	Ditto	—	—
ED 1.18	Universalisation of elementary education	—	To State level	—	—
ED 2.4	Science equipment and apparatus	72.20	Merged into 2.20	—	—
ED 2.8	Furniture in High/Senior Secondary Schools	91.10	Merged in 2.20	—	—
ED 2.9	Lavatory and drinking water facilities	80.23	Ditto	—	—
ED 2.16	Introduction of Library Services in Govt. High Schools	To State level	schemes	—	—
ED 2.18	Construction of Science Laboratories	180.62	Merged in 2.20	—	—
ED 2.19	Construction of Schools Buildings	138.61	Ditto	—	—
ED 2.17	Posts of Laboratory Attendants	—	—	—	—
ED 1.10	(i) Purchase of land of Primary Schools in urban areas	—	25.00	25.00	—
	(ii) (a) Provision of facilities for improvement of Primary education (for buildings)	—	362.80	648.12	459.00
	(b) for seating	—	—	—	62.00
ED 1.22	(i) Opening of Pre Primary Schools	—	—	—	3.00
ED 1.2	(iii) Conversion of existing Govt. Primary School in rural areas into Govt. Model & Primary schools	—	—	—	17.00
ED 1.12	Upgradation of Primary Schools to Middle Standard	—	0.88	0.88	0.88
ED 1.19	Provision of facilities for improvement of Middle Education	—	55.00	85.00	50.00
ED 2.13	Upgradation of Middle Schools to High Level	—	1.12	1.12	—
ED 2.15	(a) Introduction of 10+2 System of Education in Government Schools	218.69	202.60	202.60	200.00
	(b) Vocational system 10+2 System of Education	—	40.00	40.00	—
D 2.20	(a) Provision of facilities of Improvement of Secondary Education (for building)	18.68	342.75	471.14	300.00
	(b) for seating	—	—	—	51.00
<b>Beneficiary orient Schemes</b>					
D 1.13	Non Formal Education	—	20.00	—	—
D 4.1	Mass Programme	—	80.0	—	—
Total District Level Schemes		2009.90	1130.15	1473.86	1142.00
Grand Total (State Level + (District Level)		2195.71	2300.09	2185.72	2710.00
					909.00
					1192.00

## ANNUAL PLAN 1992-93

## STATEMENT III

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93
	Actual Expendi- ture	Approved Outlay	Actual Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>221220400 SPORTS AND YOUTH SERVICES</b>					
<b>001 Direction and Administration</b>					
SY1.1 Establishment of District Youth Centres ..	—	2.15	0.50	11.50	—
SY1.2 Establishment of State Youth Training and Develop- ment Centre ..	—	0.75	0.75	0.90	—
Total (001) ..	—	2.90	1.25	12.40	—
<b>101 Physical Education</b>					
SY1.3 Holding of coaching camps and competition ..	—	8.00	8.00	8.00	—
SY1.6 (i) Improvement in State School of Sports, Jalandhar ..	—	—	—	25.00	—
(ii) Providing of Hostel facilities ..	5.94	—	—	—	—
SY1.7 Cub and Bul Bul Movement ..	1.00	2.00	2.00	2.00	—
SY1.8 Opening of New and strengthening of existing Sports Wings ..	—	7.00	—	18.00	—
SY1.11 (i) Posts of D.P.Es. ..	—	10.00	—	10.00	—
(ii) Creation of 12 posts of Dy. Distt. Physical Education Officer ..	—	1.00	—	2.00	—
(iii) Holding of refresher courses for Coaches and Physical Education Teachers and promotion of yoga ..	—	2.00	—	—	—
Total (101) ..	6.94	30.00	10.00	65.00	—
<b>102 Youth Welfare Programme for Students</b>					
SY1.12 Youth festival and awards ..	1.20	2.25	2.25	2.70	—
SY1.13 Teacher Training Camps ..	0.30	0.60	0.60	0.70	—
SY1.14 Youth leadership Training Hiking /Treking mountaineering Camps ..	2.50	3.50	3.50	4.20	—
SY1.15 Grant-in-aid for schools and College Youth Clubs ..	0.60	2.00	—	2.40	—
SY1.16 Inter-State Tours ..	0.75	2.00	2.00	2.40	—
SY1.17 Celebration of National Youth Day/Week ..	0.15	0.50	0.50	0.75	—
SY1.18 National Service Scheme (State share) ..	4.00	40.00	19.50	40.00	—
Total (102) ..	9.50	50.85	28.35	53.15	—

## ANNUAL PLAN 1992-93

## ANNEXURE III

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92	Annual Plan 1992-93	
	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6
<b>103 Youth Welfare Programme for Non-Students</b>					
SY1.19 Youth festivals and awards ..	1.20	2.25	2.25	2.70	—
SY1.20 Youth leadership Training H'king, Trekking/ Mountaineering camps	2.50	3.50	3.50	4.20	—
SY1.22 Inter-State tour ..	0.75	2.00	2.00	2.40	—
SY1.23 Celebration of International Youth Day/ Week	0.10	0.50	0.50	0.75	—
SY1.24 Centre for Training and Employment of Border Youth	—	800.00	—	700.00	—
SY1.25 Establishment of Yuva Bhawan ..	—	—	10.00	72.00	—
SY1.26 Shaheed-a-Azam Bhagat Singh Adventure Accademy	—	—	—	10.00	—
SY1.27 UP-keep and maintenance of youth hostels ..	—	—	—	2.40	—
Total (103) ..	4.55	808.25	18.25	794.45	—
<b>104 Sports and Games</b>					
SY2.1 Sports Wints in Government Colleges ..	—	5.00	—	1.00	—
SY2.2 Coaching Scheme ..	8.37	14.00	10.50	12.00	—
SY2.3 Competition schemes ..	0.52	10.00	8.00	10.00	—
SY2.4 Sports scholarships ..	—	—	—	2.00	—
SY2.5 Purchase of sports equipment ..	4.25	10.00	7.50	10.00	—
SY2.6 Grant-in-aid to the Punjab Sports Council for the Construction of Sports Complex	181.10	20.00	20.00	20.00	—
SY2.8 Establishment of SPDA Centres ..	—	—	8.00	13.00	—
SY2.9 Establishment of Hockey Accademy at Jalandhar	—	—	2.00	2.00	—
SY2.10 Providing of Sports complex/play grounds in villages	—	—	20.00	20.00	—
SY2.11 Creation of sports facilities at Block level ..	—	—	20.00	20.00	—
SY2.12 Creation of sports facilities at distt level ..	—	—	14.00	21.00	—
SY2.13 Modern Sports Complex at Mohali ..	—	—	15.00	20.00	—
SY2.14 Establishment of village Sports club ..	—	—	—	—	—
Total (104) ..	194.24	59.00	125.00	151.00	—
Total (221 2204 00) (State Level) ..	215.23	951.00	182.85	1076.00	—



## ANNUAL PLAN 1992-93

## ANNEXURE III

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan, 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Approved Outlay	Of which capital content
1	2	3	4	5	6
<b>District Level Schemes</b>					
<b>Infrastructure Schemes</b>					
SY1.40	Providing of sports Material to Govt. Middle, High/Higher Secondary and Senior Secondary School	1.00	—	—	—
SY1.1.6	(iii) Improvement Rrural Area Schools ..	—	10.00	10.00	10.00
<b>Beneficiary Oriented Schemes</b>					
SY1.21	Establishment of Village Youth Clubs ..	9.66	10.00	10.00	12.00
SY1.24	Training to Youths for self-employment	300.37	—	—	—
<b>Area Specific Schemes</b>					
SY1.6	(i) Impovement State Schools of Sports Jalandhar	—	30.00	30.00	—
SY1.6	(ii) Laying of Sphetic Traak and provision of staff for maintenance thereof	—	40.00	40.00	30.00
	(iv) Construction of Sports Hostls in schools adapted by Sports Authority of India	—	40.00	40.00	45.00
	<b>Total (District Level)</b>	<b>311.03</b>	<b>130.00</b>	<b>130.00</b>	<b>97.00</b>
	<b>Grand Total(State Level and District Level)</b>	<b>526.26</b>	<b>1081.00</b>	<b>312.85</b>	<b>1173.00</b>
<b>221 2205 00 ART AND CULTURE</b>					
<b>001 Direction and Administration</b>					
AC1.1	Strengthening of technical and Administra- tive staff Wings (Art and Culture)	—	1.00	—	1.00
AC1.2	Strengthening of Technical and Administra- tive staff Wings (Archaeology)	—	5.00	—	1.00
AC1.3	Strengthening of technical and administra- tive staff Wings (Museum) ..	—	2.00	0.20	2.00
AC1.4	Strengthening of technical and administrative staff wings (Archives)	—	0.20	0.06	1.00
	<b>Total (001)</b>	<b>—</b>	<b>8.20</b>	<b>0.26</b>	<b>5.00</b>
<b>102 Promotion of Art and Culture</b>					
AC 1.5	Revival of folk songs/dances ..	4.99	5.00	2.00	—
AC 1.7	Grant-in-aid to the institutions engaged in promotion of Art and Culture	35.00	5.00	7.00	7.00
AC 1.8	Holdings of musical and cultural festivals, melas, seminars and conferences ..	9.99	10.00	45.00	43.00
AC 1.10	Punjabi Culture Centre Delhi ..	—	1.00 (Token)	—	—
AC 1.12	Promotion of Punjabi Films & Tele-films	—	6.00	—	5.00
AC 1.13	Setting up of Mobile Cultural Unit ..	—	5.00	—	—
AC 1.14	Setting up of cultural comelex at Mohali..	—	—	—	50.00
AC 1.15	Pension to Artists ..	—	—	—	20.00
AC 1.16	Setting up of Patiala gharana Music Accademy ..	—	—	—	9.00
AC 1.17	Setting up of Distt. Punjab cultural centre	—	—	—	50.00
AC 1.18	Estt. of Institute of Lok Virsa ..	—	—	—	10.00
	<b>Total (102)</b> ..	<b>49.98</b>	<b>32.00</b>	<b>54.00</b>	<b>194.00</b>

## ANNUAL PLAN 1992-93

## ANNEXURE III

## Scheme-wise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme		Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1		2	3	4	5	6
<b>103</b>	<b>Archeology</b>					
AC 2.1	Conservation/preservation, land scaping and beautification of ancient and historical monuments	34.72	50.00	5.00	10.00	—
AC 2.2	Chemical Conservation of Paintings ..	0.29	2.00	0.50	1.00	—
AC 2.3	Excavation and exploration and publication of archaeological report	7.65	8.00	8.00	8.00	—
AC 2.4	Modernisation of Chemical conservation laboratory	—	5.00	1.00	1.00	—
AC 2.5	Strengthening of reference Library ..	1.00	1.00	1.00	1.00	—
	Total (103)	43.66	66.00	15.50	21.00	—
<b>104</b>	<b>Archives</b>					
AC 3.1	Modernisation and preservation of archives	—	0.20	0.02	1.00	—
AC 3.2	Setting up of cell at Amritsar for material relating to Maharaja Ranjit Singh	—	0.20	0.02	0.40	—
AC 3.3	Modernisation of preservation techniques	1.67	6.00	3.90	4.00	—
AC 3.4	Strengthening of State Archives Library ..	0.50	1.00	0.75	0.40	—
AC 3.5	Construction of Archival building ..	—	70.00	18.00	70.00	70.00
AC 3.7	Maintenance of micro filming and editing of records/documents	0.37	2.00	—	2.00	—
AC 3.8	Development of Archival galleries ..	—	0.40	0.19	0.20	—
	Total (104)	2.54	79.80	22.88	78.00	70.00
<b>105</b>	<b>Public Libraries</b>					
AC 4 1(i)	(i) Establishment and strengthening of district libraries (DPI) (C)	8.62	20.00	15.60	32.00	16.00
	(ii) Cultural Activities ..	—	2.00	2.00	2.00	—
	Total (105)	8.62	22.00	17.60	34.00	16.00
<b>107</b>	<b>Museum</b>					
AC 5.1	Museum Publication ..	—	2.00	2.00	2.00	—
AC 5.2	Renovation/Improvement of display in Museums/galleries ..	12.56	10.00	4.00	5.00	—
AC 5.3	Opening of new Museums ..	—	70.00	10.00	30.00	30.00
AC 5.4	Setting of Cultural museum, research and reference Library	—	1.00	1.00	20.00	—
AC 5.5	Insurance of Medals and Art Objects ..	—	—	—	1.00	—
	Total (107)	12.56	83.00	17.00	58.00	30.00
<b>800</b>	<b>Other Expenditure</b>					
AC 6.1	Purchase of modern machinery and equipment for archaeology and museum ..	2.00	3.00	1.00	3.00	—
	Total (800)	2.00	3.00	1.00	3.00	—
	Total (221220500)	119.36	294.00	128.24	393.00	116.00

## ANNUAL PLAN 1992-93

STATEMENT  
STATEMENT

## Schemewise outlay and Expenditure : State level Scheme

(Rs. in lacs)

Major/Minor Head of Development/Name of the Scheme		Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Content
1	2	3	4	5	6	
<b>TECHNICAL EDUCATION</b>						
<b>II. Training Schemes</b>						
TE 1.2	Development of Special Trade Institution	54.93	105.00	105.00	224.00	130.00
Total		54.93	105.00	105.00	224.00	130.00
<b>II. Private Engineering Colleges</b>						
TE 1.3	(i) 5 New Engineering Colleges under special initiative through grants-in-aid	—	1.00	—	2.00	—
	(ii) Revision of Staff Structure	—	6.00	2.00	8.00	—
Total		—	7.00	2.00	10.00	—
<b>III. Government Polytechnics</b>						
TE 1.4	Production-cum-training Centre at Government Polytechnic, Amritsar	—	2.00	0.10	3.00	—
TE 1.5	Service-cum-training Centre at Government Polytechnic, Batala	—	2.00	0.10	3.00	—
TE 1.6	Setting up of new Government Polytechnics in the State	—	15.00	46.00	5.00	—
	(i) Government Polytechnic, Bathinda	—	15.00	46.00	5.00	—
	(ii) Government Polytechnic for Women, Patiala	44.54	190.00	190.00	200.00	100.00
	(iii) Government Polytechnic, Ferozepur	—	40.00	7.06	15.00	—
	(iv) Five new Institutes of emerging Technologies	—	5.00	—	5.00	5.00
TE 1.7	(i) Commercial Practice (Punjabi) at Government Polytechnic, Amritsar	5.18	5.00	2.50	5.00	—
	(ii) Pharmacy at Amritsar	—	5.00	3.00	5.00	—
	(iii) Computer Engineering at G. P. Bhatinda	—	20.00	20.00	5.00	1.00
	(iv) Post Diploma Course in Computer Application	—	5.00	—	10.00	5.00
Total		49.72	289.00	268.70	256.00	111.00

## ANNUAL PLAN 1992-93

## STATEMENT

## SCHEMewise OUTLAY AND EXPENDITURE

## STATE LEVEL SCHEMES

(Rs. in lacs)

Major/Minor Heads of Development/Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93		
	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Contents
1	2	3	4	5	6
<b>Private Polytechnics</b>					
TE 1.9 (i) Revision of Staff Structure	—	50.00	5.00	50.00	—
(ii) Diploma in Electronics and Communications at Ramgarhia Polytechnic Phagwara	—	10.00	10.00	8.00	—
(iii) Post Diploma in Computer Application	—	5.00	—	10.00	—
(iv) 5 new Polytechnics under Special initiative through-in-aid.	—	1.00	—	2.00	—
Total	—	66.00	15.00	70.00	—
<b>V. Government Engineering Colleges</b>					
TE 1.10 Regional Engineering College at Jalandhar	98.65	200.00	395.00	143.00	64.00
TE 1.11 Engineering College at Bathinda	274.46	1100.00	831.90	300.00	—
TE 1.12 Apex Institute of Entrepreneurial Development and management Ludhiana	50.00	70.00	50.00	100.00	—
TE 1.13 Longowal Institute of Engineering & Technology	32.76	200.00	200.00	50.00	50.00
TE 1.14 National Institute of Pharmaceutical Research, Mohali	—	400.00	567.00	—	—
TE 1.15 Five new Degree level Institutions	—	10.00	—	10.00	10.00
Total	455.87	1980.00	2043.90	603.00	124.00
<b>VI. Other Programmes</b>					
TE 1.16 Modernisation/strengthening equipment in Government Polytechnics	19.93	—	—	10.00	—
TE 1.17 Student Amenities and Development of Campus	20.00	16.00	16.00	—	—
TE 1.20 Scholarships	—	2.00	—	—	—
TE 1.21 Development of Libraries	20.00	10.00	10.00	10.00	—
TE 1.22 Examinations	—	5.00	—	—	—
TE.23 Installation of Tubewells	—	5.00	—	5.00	—
TE 1.24 Enhancement of maintenance grant	—	4.00	—	—	—
Total	59.93	42.00	26.00	25.00	—

ANNUAL PLAN 1992-93  
STATEMENT  
SCHEMewise OUTLAY AND EXPENDITURE

STATE LEVEL SCHEMES

(Rs. in lacs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Contents	
1	2	3	4	5	6	
<b>VII. New Scheme</b>						
TE 1.25	3 years degree course for diploma holders ..	—	—	—	1.00	—
TE 1.26	Setting up of 4 new Poly. under Border Area Development Programme ..	—	—	—	10.00	—
TE 1.27	Revision of staff structure in special trade institutions ..	—	—	—	10.00	—
TE 1.28	Purchase of land					
	(i) State Board of Technical Education, Punjab ..	—	—	—	150.00	158.00
	(ii) Government Polys for Women, Amritsar ..	—	—	—	200.00	200.00
	Total ..	—	—	—	379.00	358.00
	Total (A (I to VII) ..	620.45	2489.00	2460.60	1567.00	723.00
	World Bank Aided Project (b) ..	—	1231.00	1460.82	3011.00	1512.00
	Grand Total ..	620.45	3720.00	3921.42	4578.00	2235.00

## CHAPTER XI

### SCIENCE AND TECHNOLOGY AND ENVIRONMENT

#### Science and Technology

11.1. Science and Technology has to play a vital role in improving productivity, conserving resources and protecting environment. Science and Technology inputs are required to be enlarged into areas of social concern like education, health nutrition, water supply and housing. Keeping in view the approach paper for Eight Five Year Plan and the priority areas identified by the State council, an action plan of Punjab State Council for Science and Technology for the Eight Plan has been drawn up. Greater emphasis during the 8th Five Year plan is proposed to be given on the following.

- (i) Creation of Mass/support for environmental programmes through formal and non-formal environmental education.
- (ii) Providing information to public and consultancy to Industry regarding environmental protection.
- (iii) Promoting voluntary activity for environmental protection.
- (iv) Promoting natural resource conservation and pollution control activities.
- (v) Promoting environmental applied research projects and integrated environmental considerations with all developmental activities including rural development etc.

11.2. In line with the above thinking of the PSCST following programmes, activities, projects, are proposed to be taken up in the first year of Eighth Five Year Plan. A sum of Rs. 175.00 Lakhs is being provided for 1992-93.

#### Other Scientific Research

11.3. Sponsored Science and Technology Pilot trials/extensions through approved Institutions.

A number of applied research projects were taken up at the existing institutions of the State during the Seventh Plan period in the following areas :—

- Energy and Environment
- Water regime management.
- Biotechnology including biomedicine
- Industrial technology.
- Construction and Building material technology.
- Computer and Electronics; and
- Popularisation of Science.

11.4. Some of the projects which were initiated during 7th Plan will continue in 8th Plan also. Following the guidelines of Planning Commission, Government of India, and the Action Plan of the Council for Science and Technology, several new projects have been identified to be taken up during the 8th Plan. An outlay of Rs. 63.00 lakhs is being for 1992-93.

#### 2. Extension and Services

11.5. The council intends to extend the new technologies in various areas largely through the existing departments, through a mechanisation of pilot projects. This also includes training/retraining, workshops, seminars programmes. So as to keep out professionals

updated. The council intends to take up the following schemes :—

(a) *Techno-economic Assessment Evaluation of Programmes involving S&T Content and S&T Support to other departments including preparation of projects.*—Several Programmes of the Government in Socio-economic departments are operational but no scientific evaluation/assessment has been done. It is proposed to take up evaluation/assessment of programmes being undertaken by the concerned Government Departments in selected areas with the help of top level experts/professionals/engineers/institutes available in the country by hiring their services. Under this scheme, in order to motivate the State Government departments to adopt latest technologies/techniques and to appraise the projects from environmental angle. It is proposed to help the Government departments in recruitments/selection of scientific manpower for setting up Science, Technology and Environment Cells. Study/preparation of projects of various new ideas/technologies available in the country through professionals/experts/institutes etc. by hiring their services shall also be got done.

An amount of Rs. 5.00 Lakhs for the annual plan 1992-93 is being provided.

(b) *Environmental Consultancy Cell.*—To assist the small scale industry in setting up effluent treatment facilities, it is proposed to set up an environmental consultancy cell. The cell would provide services at 'no profit no loss basis' in form of process packages for specific industries. Rs. 15.00 lacs would be required in the first year of the 8th plan after which the cell will become self-sufficient.

An amount of Rs. 15.00 Lakhs is being provided for the Annual Plan 1992-93.

(c) *Infrastructural support to various Environmental Centres in the State.*—The Punjab State Council for Science and Technology proposes to set up Environmental Centres at various places in the state. These would be instrumental in sensitising the general public on environmentally related issues and would have an Information Centre in form of a Book and Video Library, Activity Room, Visitor Gallery, Bid Observatory, etc. An amount of Rs. 5.00 lakh for annual plan is being provided for 1992-93.

(d) *Training/Retraining including seminars and Workshops.*—It has been recently recognised by the Planning Commission that priority should be given to Training Development Programmes. It is considered necessary to train and retrain the available manpower under various fields after the minimum education in the field is acquired. Training Programmes will be envisaged for various personnel viz. Scientists/Engineers/Professionals etc. They will also attend seminars, workshops etc. to exchange, update information and professional knowledge in modern technology. It will also help in establishing the linkages between national, international organisations/scientific bodies.

An amount of Rs. 2.00 lacs for the Annual Plan 1992-93 is being provided.

(e) *Support to non governmental organisations for promotion of service.*—It has been increasingly recognised that no Government effort alone can succeed in environmental protection and it is imperative to obtain voluntary support of the people. Some NGOs are playing a vital role in this direction. However, Punjab has very few NGOs and their activities need to be actively promoted. To encourage such NGOs to devote their energies more vigorously in this field and also to promote the setting up of more environmental and S & T related NGOs, some state assistance is the need of the hour. Rs. 5.00 lacs during annual plan 1992-93 is being provided.

#### 4. *Projects for Utilization of Flyash for building material etc.*

11.7. Fly Ash is a by-product generated in large quantities from combustion of coal in Thermal Power Stations. The present system of its disposal causes serious environmental problems. The Council has prepared a Technology Plan for manufacture of cellular concrete blocks and slabs with indigenous/imported technology using flyash as a major raw material. The proposal to set up a plant for manufacturing of cellular concrete blocks and slabs using imported technology and flyash building material using indigenous technology have been approved by the Government and a concrete action plan by PSIDC in association with PSCST is being drawn. It is proposed to provide Rs. 40.00 lacs as seed money for the year 1992-93.

#### 5. *Strengthening of Technical Secretariat for Punjab State Council for Science and Technology,*

11.8. As per guidelines given by Government of India, the Punjab State Council for Science and Technology has been established in the State and has started functioning as a registered society with effect from July 83. The Technical Secretariat headed by an Advisor has already been set up and it is supported by 3 Directors, 1 Joint Director and 7 SSOs at present who are manning the key positions. The scientific staff functions through supporting administrative staff. The staff expenditure on Directors, JD and SSOs is being met by Central Government. The first floor of the council at SCO : 2935-36, Sector 22-C, Chandigarh has been equipped and proper sitting arrangements for the staff have been made. The work of equipping the second floor has been completed. The Council proposes to have its strength of scientific staff in a phased manner during 8th Plan and it is envisaged that 4 Directors, 1 JD, 5 SSOs 12 SSOs and 6 Scientific Officers will be in position by the end of 8th Plan. Accordingly the various heads of expenditure like rent, telephone expences and other miscellaneous expenditure has been provided. The supporting staff required to serve the scientific staff will increase to some extent and the expenditure on this account is being met by the State Government. An amount of Rs. 25.00 lacs as seed money is being provided for 1992-93.

## 6. Popularisation of Science.

11.9. The aim of the popularisation of science schemes is to encourage the spirit of enquiry amongst our people in general and younger generation in particular. The main objectives of these schemes are the creation of scientific temper, nurturing of scientific talents amongst children and sharing the excitement of science with the general crowd. Also it is expected to have major impact on the socio-economic progress of the people. An outlay of Rs. 10.00 lacs is being provided made this scheme on the following projects.

(a) *Science popularisation Programme (Workshops, exhibitions, Seminars, lectures and celebration of NSD etc.)*

It is proposed to organise workshops, exhibitions, seminars for children general public for science popularisation. In addition, NSD is proposed to be celebrated each year. An amount of Rs. 1.00 lac is being provided during 1992-93.

(b) *Setting up of Regional Science Centre and Museum.*

Science museums can play a big role in inculcating scientific temper in all categories and age groups of the society. Through museums, there is a direct impact by the object which is seen on the mind of the individual. During the Eighth Plan it is proposed to set up a regional science centre at Chandigarh. This regional science centre shall provide activity based learning process to inculcate a spirit of enquiry, foster creative talent and create scientific atmosphere in the community as a whole. According to project report of National Council of Science Museums for establishment of such regional level science centres, 10 acres of land and Rs. 125.00 lacs with a contribution of Rs. 62.5 lacs from the State Government is required. Accordingly, a sum of Rs. 88.00 lacs is required (including the cost of land Rs. 25.00 lacs).

An amount of Rs. 3.50 lacs for the Annual Plan 1992-93 is being provided.

(c) *Setting up of District Science Centres.*

For simultaneous involvement of school children, teachers, common people, eminent scientists, educationists of the region in scientific activities, it is proposed to set up Science Centres in all the twelve districts during the Eighth Five Year Plan. These centres will provide activity based learning process to inculcate a spirit of enquiry and foster creative talent in the community. Various scientific activities such as talks, interviews, workshops, drama on scientific themes and general awareness shall be organised.

An amount of Rs. 2.00 lacs is being provided for the Annual Plan 1992-93.

(d) *Mobile Science Exhibition Through Museobus.*

Through the use of this museobus, a vast area of the State shall be brought under the mobile science exhibition network. The price winning exhibits of various schools can be put together and taken to be shown in all schools where it was not possible for the students to visit the organised exhibitions. In this way, it shall be possible to reach nook and the corner of the State. An amount of Rs. 1.00 lac is being provided for the Annual Plan 1992-93.

(e) *Publication of Books and Pamphlets for popularising Science in Children.*



Central Groundwater Board has established 513 stations in Punjab up to March, 1987 and at about 198 of the locations the nitrate content is above permissible limits. However most of these stations are located in villages for the industrial proposed for Annual Plan . The Punjab Pollution Control Board has thus prepared a scheme to monitor the cities of Punjab by establishing 160 stations all over Punjab with special attention to the industrialised zones. An amount of Rs. 2.91 lacs for 1992-93, is being provided.

(c) *Operation and maintenance of mobile waste water and air testing laboratory.*—The Punjab Pollution Control Board has indentified over 6,200 water polluting and 3,500 air polluting industries in the state. The Board is a regular-tory agency and is required to keep a constant check on the industry. The transportation of samples of effluents and emissions to the laboratories at the central or regional head quarters is a serious problem. The board has, therefore, acquired a mobile laboratory. The mobile laboratory is being used for on the spot testing of industrial effluents, studying the performance of Effluent Treatment Plants set up by the industries, monitoring the stacks and also for the Ambient Air quality monitoring. An amount of Rs. 4.50 lakhs is being provided during 1992-93.

(d) *Assessment of Soil pollution by Industrial Effluents.*—The increasing industrialization has led to the pollution of soil through the discharge of effluents by the industrial units, which contain many toxic chemicals, minerals, acids, bases etc. which over a period of time get deposited in the soil due to their retention and absorption on the soil particles. Some of the Chemicals favour the growth of some algae, fungi and other bacterial colonies which in turn change the texture of the soil. others may add to the toxicity of the soil and may also be taken up by the plants growing in such contaminated soils.

The Punjab Pollution Control Board will undertake an assessment of the soil pollution being caused in the state due to industrial effluents and domestic sewage during the Eighth Five Year Plan. An amount of Rs. 3.00 lakh is being provided for Annual Plan 1992-93.

### 11.13. Monitoring of Air and emissions in the State

(a) *Monitoring of Ambient Air quality in the State.*—In order to prepare comprehensive programme for the prevention, control or abatement of pollution of air in the State, the Board is required to carry out studies and monitoring of the quality of ambient air. This would help in preparing computer model of the air quality for the State to enable the Board to decide location of new air polluting industries in the State. It would also enable the Board to identify highly polluted areas in the State so as to prepare a strategy for controlling air pollution in these areas. Further the objectives of monitoring air quality are to observe long term trends to judge compliance with air quality standards, evaluate control strategies, to activate emergency control procedures to validate dispersion, models, to investigate specific complaints and to assess other environmental risks. The Board took up the study of the ambient air quality in the 7th Five Year Plan, when State Government sanctioned Rs. 35.5 lacs for setting up 25 monitoring stations all over Punjab. The scheme for monitoring the ambient air quality at these locations will continue during the Eighth Five Year Plan. An amount of Rs. 26.09 lakh for 1992-93 is being provided.

### (b) Noise Pollution Control

Till recently much attention was not paid to noise pollution. However, it has now been confirmed that noise above certain levels is detrimental to the health and well being of an individual. The Parliament has, therefore amended the Air (Prevention and Control of Pollution), Act, 1981 to include noise in the definition of air pollutants.

Presently no data regarding noise levels in the residential, commercial and industrial area is available. It is therefore, proposed to take up monitoring of noise pollution during the Eighth Five Year Plan with the following objectives:—

1. To assess the present level of community noise and traffic noise.
2. To build data bank for deciding control strategies and future planning.
3. To implement noise control measures.

The equipment required for setting up 24 monitoring stations in the industrial and intensely populated areas to measure noise levels shall be procured during the plan period. The other

infrastructure shall also be build up to start monitoring during Eighth Plan. An amount of Rs. 8.00 lakh is being provided for 1992-93.

### 11.14. 3. Extension of services of Punjab Pollution Control Board

#### (a) Extension of Board services to the districts

Regulation and enforcement of the pollution control laws is the most important function of the Board. According to the provisions of the water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act 1981, no person can establish an industry without the consent of the Board. The existing industries are also required to obtain the consent of the Board to operate the industries. There are nearly 1.70 lakh industries in the State. The Board is required to identify water and air polluting industries, advise them to apply for the consent study the process involved in each industry to assess the water and air pollution potential, to grant consent with certain time bound conditions including provisions of adequate pollution control measures for both water and air, and monitoring of untreated and treated trade effluents and emissions from stack and check their modes of disposal so as to ensure that the quality of receiving waters and ambient air is not allowed to be impaired beyond permissible levels. The Board has so far identified about 6,200 water polluting and 3,500 air polluting industries whereas it has been able to grant consent to 30 per cent of these industries so far. This is because of to lack of funds and infrastructure such as laboratories and trained technical personnel.

It is, therefore proposed to set up more regional offices in the state during the Eighth and Ninth Five Year Plan periods. Out of which two regional offices are proposed in the Eighth Five Year Plan. An amount of Rs. 11.00 lakh for the year 1992-93 is being provided.

#### (b) Training of Scientific and Technical staff of the Board.

Pollution control is a multi-disciplinary subject and no scientist or engineer can be expected to handle the job on the basis of his university degree or basic qualification alone. As such it is necessary that refresher courses are regularly arranged for training the scientific and technical personnel of the Board to enable them to discharge their functions competently and efficiently.

An amount of Rs. 5.00 lakh is being provided during 1992-93.

#### (c) State Aid to Punjab Pollution Control Board :

The Pollution Control Board in the State of Punjab was established in the year 1975 and at that time the Board had no income of its own. It's total expenditure was used to be met by the sums received from the State Government. In 1977 the Cess Act was enforced with a view to augment the resources of the Board. The State Government stopped providing funds to the Board in the year 1987. Since 1987 the Board has been managing its affairs with the income derived from the cess, consent fee etc. But now a situation has developed in which it is not possible to meet its expenditure from its own meagre income. It badly needs funds from the State Government to discharge its statutory obligations as the activities of the Board have increased substantially since its inception but the income is not commensurate with the statutory social obligations entrusted to it. An amount of Rs. 9.50 lakh is being provided for the annual plan 1992-93.

### 11.15. 4. Revitalisation of Board's Activities

#### (a) Time targetted action plan to deal with most polluted areas in the State :

Environment of this land locked alluvial plain has been fast deteriorating because of the industrial and urban growth. Ludhiana, Amritsar, Batala, Nangal, Khanna, Gobindgarh, Phagwara and Jalandhar are industrial base of the State. There are chemical industries, fertiliser plants, metal industries, distilleries, leather industries, agro industries etc. in these areas. All these cities also have major commercial and other urban activities. As a result of these industries and urban activities, these towns are the most polluted areas in the State. This scheme is proposed to improve the quality of the environment in these cities. Concerted action has to be taken to evolve and implement a comprehensive, time bound programme for the improvement of air and water quality.

The action plan will cover the following aspects to be completed in the phased manner:—

- (i) Inventorization of pollution sources.
- (ii) Prioritization.

The objective of this scheme is to develop a scientific awareness on aspects of health, nutrition, road safety and other aspects with which one comes in contact during ones daily life activities.

It is proposed to bring publication (books, pamphlets etc.) on popular science topics in Punjabi and English to achieve the above objective.

An amount of Rs. 2 Lacs for the annual plan 1992-93, is being provided.

(f) *BJVJ Activities*

Government of India is taking up BJVJ activities during 1992-93 as a major project for popularising science. In order to take up activities as proposed by GOI in Punjab, an amount of Rs. 0.50 lac is being provided for the year 1992-93.

6. *Environment Awareness Programme*

11.10. The Punjab State Council for Science and Technology has a separate Environment Wing set up with the object of creating awareness amongst the people of Punjab regarding increasing environmental problems of the State and to suggest suitable remedial measures. It is for this purpose that an integrated approach towards the conservation environment needs to be achieved.

The PSCST has taken steps in the past to create awareness amongst the people of Punjab through seminars, workshops, training courses both in rural and urban areas to spread the message of environmental conservation. Under this programme Posters and Essay Competition for school children and general public were conducted. Posters were also published and distributed in village Panchayats. Officers of the Council also participated in TV discussion. Also a film on 'Harike Wetland' was produced under this programme.

It is proposed to create an awakening amongst the people of Punjab and to apprise them of the ever increasing environmental problems of the State. This could be done through use of mass-media like audio-visual means, of publicity functions seminars, and training courses for specific target group and exhibition of films on

environment, camps competitions, dissemination of data through newspapers, posts and pamphlets etc.

An amount of Rs. 5.00 lacs is being provided for Annual Plan 1992-93.

**Ecology and Environment**

11.11. The State Government has constituted the Punjab Pollution Control Board for the prevention, Control and abatement of water and air pollution and to maintain and restore the wholesomeness of water and quality of the air in the State. For this purpose, the Board is required to formulate long term strategies and planning so that the pollution is controlled effectively not only in the present but also in the future.

To achieve the objective set before the Pollution Control Board. For the annual plan 1992-93 an amount of Rs. 127.00 Lacs is being provided.

The Board intends to continue the various plan schemes taken up in Seventh Five Year Plan and also initiate new schemes in order to implement the functions of the Board in a more systematic and comprehensive manner. The details of these schemes are as under:—

11.12. **Monitoring of waters and soils in the State**

(a) *Monitoring of Rivers and their Tributaries to determine the water quality of inland surface waters in Punjab.*—The Board is required to plan a comprehensive programme for the prevention, control or abatement of pollution of inland surfaces water in the State. In order to do this it is imperative that the Board carries out studies and monitors the quality of rivers and lakes in the state.

An amount of Rs. 8.00 lacs for 1992-93 is being provided.

(b) *Monitoring of ground water quality of the cities of Punjab.*—Most of the population in Punjab uses ground water for their daily use like drinking and Irrigation. Rapid industrialisation of the cities of Punjab has resulted in the contamination of the groundwater. Another major source of ground water contamination is the intensive agricultural activity in the state resulting in increasing and sometimes indiscriminate use of fertilizers and pesticides. The

- (iii) Implementation of pollution control measures.
- (iv) Air and water quality monitoring.
- (v) Review mechanism to assess progress.
- (vi) Legal Action.

Land pollution, solid waste disposal, garbage dumping and sewage disposal will also come under the purview of this study/action plan etc.

An outlay of Rs. 22.00 lakh for Annual Plan is being provided.

#### (b) Hazardous Waste Management

The chemical industries in India are now producing a number of potentially hazardous chemicals as finished product or by-products. About 1,200 hazardous industries have been identified in the State and this number is going to increase in future with economic developments.

The hazards associated inherently with the properties of certain chemical to trigger immediate catastrophic reactions resulting in explosion, fire or massive release of toxic materials into the environment make it obligatory to have a system for ensuring chemical safety and insituation of measures for prevention control and management

of such eventualities. Preparedness to face and overcome chemical emergencies envisages a number of tasks.

Punjab Pollution Control Board proposes to do this by the evolution of environment impact of accidents, site approval for storage/disposal of hazardous chemical out side the factory premises and laying down procedure for disposal of hazardous wastes as required under the Environmental (Protection) Act, 1986. An amount of Rs. 8.00 lakh for 1992-93 is being provided.

*Action plan to clean satling and Budha Nala*

11.16. An amount of Rs. 1.00 lacs is being provided as token provision to clean the satling and Budha Nala during 1992-93.

#### DISTRICT LEVEL SCHEMES

11.17. The following schemes have been proposed to Distt. planning and Dev. Boards for effective implementation.

UPTO PAGE 206— ns e8uLisvy

1. Setting up of three Regional Laboratories at Ludhiana, Bhatinda and Amritsar. An outlay of Rs. 10.00 lacs is being provided during the year 1992-93.
2. Upgradation of Central Laboratory of the Board at Patiala. An outlay of Rs. 8.00 lacs is being provided during the year 1992-93.

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## ANNEXURE-III

SUB-HEAD : Science / Technology/Scientific Research

(Rs. in lacs)

Name of the Scheme	Actual Expenditure 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Science &amp; Technology</b>					
1. Pilot Trials extensions through approved Institutions	64.77	50.00	50.00	63.00	30.00
2. Support to Non-Governmental Organisations (NGO) for promotion of Science	0.63	3.00	1.63	5.00	—
3. Project for utilisation of flyash for building materials etc.	2.50	2.50	2.50	40.00	35.00
4. Technical Secretariate for PSCST	18.50	15.00	18.50	25.00	3.00
5. Environmental Awareness Programme	2.00	2.00	2.00	5.00	0.75
6. Popularisation of Science	4.75	1.25	1.25	10.00	4.00
7. Extension & Service Techno-economic Assessment Evaluation of Programmes involving S. & T. Component	—	—	—	5.00	1.00
8. Environment Consultancy Cell	—	3.00	3.00	15.00	6.00
9. Infrastructural Support to various environmental centres in the State	—	—	—	5.00	5.00
10. Training-Re-training including seminars workshops	—	—	—	2.00	—
<b>Total</b>	<b>93.15</b>	<b>76.75</b>	<b>78.88</b>	<b>175.00</b>	<b>84.75</b>
1. Other Dropped Recast Schemes	—	38.00	30.07	—	—
<b>Total</b>	<b>93.15</b>	<b>114.75</b>	<b>108.95</b>	<b>175.00</b>	<b>84.75</b>
District Level Schemes	—	10.00	10.00	—	—
<b>Grand Total</b>	<b>93.15</b>	<b>124.75</b>	<b>118.95</b>	<b>175.00</b>	<b>84.75</b>

## ANNUAL PLAN 1992-93

## ANNEXURE

## SUB-HEAD : Ecology &amp; Environment

(Rs. in lacs)

Name of the Schemes	Actual Expenditure 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Ecology &amp; Environment</b>					
1. Monitoring of Rivers & their tributaries to determine the water quality of inland surface water in Punjab ..	6.95	5.00	5.00	8.00	—
2. Monitoring & ground water quality of the cities of Punjab ..	—	2.00	2.00	2.91	1.20
3. Operation of maintenance of mobile waste water and air testing laboratory ..	3.12	4.00	4.00	4.50	0.30
4. Assessment of soil pollution by Industrial off lunts ..	8.69	2.00	2.00	3.00	1.70
5. Time targetted action Plan to deal with cost polluted areas in the State ..	6.95	20.00	20.00	22.00	0.70
6. Monitoring of ambient Air quality in the State ..	16.68	10.00	10.00	26.09	—
7. Hazardus Waste Management ..	—	5.00	5.00	8.00	—
8. Extension of board services to the Districts ..	—	2.00	2.00	11.00	2.00
9. Noise Pollution Control ..	—	—	—	8.00	7.00
10. Training of Scientific & Technical staff of the Board continued training ..	—	—	—	5.00	—
11. State Aid to Punjab Pollution Control Board ..	—	—	—	9.50	—
12. Action Plan to clean Satluj & Budha Nala ..	—	—	—	1.00	—
Total ..	42.39	50.00	50.00	109.00	12.90
1. Dropped out Next Schemes ..	—	9.00	9.00	—	—
Total ..	—	59.00	59.00	109.00	12.90
<b>District Level Schemes :</b>					
<b>Area Specific</b>					
1. Setting up of Regional Laboratory at Ludhiana, Bathinda & Amritsar ..	0.06	10.00	11.95	10.00	4.00
2. Upgradation of Central Laboratory of the Board of Patiala ..	—	5.00	6.30	8.00	7.10
Total ..	0.06	15.00	18.25	18.00	11.10
Grand Total ..	42.45	74.00	77.25	127.00	24.00



**CHAPTER—XII**  
**MEDICAL AND PUBLIC HEALTH**

Name of the sub-head	7th Five-Year Plan 1985-90			Approved Outlay	Approved Outlay
	Outlay	Expenditure	1990-91 Expenditure	1991-92	1992-93
1	2	3	4	5	6
D. R. M. E.	2700.00	1689.06	462.02	900.00	1250.00
D. H. S. (including E. S. I.)	7439.00	4066.11	1729.79	2921.00	3137.00
Ayurvedic	96.00	76.99	15.50	22.00	108.00
Homoeopathy	115.00	71.72	1.00	57.00	105.00
<b>Total</b>	<b>10350.00</b>	<b>5903.88</b>	<b>2208.31</b>	<b>3900.00</b>	<b>4600.00</b>

The main component of the Health and Family Welfare Programme are as under—

**Health Infrastructure**

**(i) Primary Health Care :**

India is committed to attain the goal of Health for all by the year 2000 A. D. through the universal provision of comprehensive Primary Health Care. Primary Health Care Services in the rural areas of the State are provided through a network of Medical

Institutions comprising of sub-centres (2852) Primary Health Centres (460), Subsidiary Health Centres (1246), Community Health Centres (70) and Rural Hospitals (53). In addition forty Mobile Dispensaries have been provided for intensive health care for 16 K. M. belt in the Border Districts. At village level two voluntary workers i.e. a Health Guide, a Trained Dai supplement the efforts of the Department for providing Primary Health Care Services. Comparative picture indicating the national norms and level of achievement by the State is given below :

**ANNEXURE—1(i)**

Sr. No.	Parameters/Indicators	National Norm	Level of Achievement by State
1	Trained Dais	At least one for each Village	22,267 Dais trained 0.5 Villages covered by each Dai.
2	Village Health Guide	One for each village on 1,000 Population	One for 1,135 Population (approx). 11,657 Trained Male 1 196, Female 10,461
3	Population Served by Health Workers (M. & F.)	M. 3,000—5,000 F. 3,000—4,500	5,545 Approx. 4,638 Approx.
4	Ratio of HA(M) to HW(M)	1 : 6	1 : 5.4
5	Ratio of HA (F) to HW(F)	1 : 6	1 : 4.8
6	Population covered by Sub Centres	3,000—5,000	4,638 Approx.
7	Population covered by PHC/SHC	20,000—30,000	6,499
8	Population covered by Community Health Centre	About 1 Lakh	1.94 Lakh
9	No. of Sub Centres each PHC	6 Sub Centres	6 Sub Centres for a PHC at 30,000 population
10	No. of PHCs for each Community Health Centre	4 PHCs	6 PHCs



**(ii) Secondary Tertiary Health Care :**

While the community Health Centres established in Rural Areas serve as the first level of referral services, the hospitals working at Sub-Divisional Level serve as second tier of Referral services for medical care. Tertiary Health Services are provided by District level hospitals and the hospitals attached to the medical colleges.

It is relevant to mention here that 1246 Subsidiary Health Centres functioning in rural areas are over and above the pattern envisaged by Government of India for providing Primary Health Care.

**(iii) Delivery of Family Planning Services :**

In order to provide Family Planning Services in the Urban Areas 63 Urban Family Planning Centres, 58 Urban Revamping Centres and 54 Post Partum Units are functioning in the State.

**(iv) Status of Health Infrastructure :**

The Health infrastructure as it stands today in the State is quite wide and well spread. The Department has qualified team of Doctors, specialists and Para Medical Staff. However on account of many infrastructural deficiencies and gaps in manpower development, their potential has not been optimally utilised. While formulating proposals for the 8th Five Year Plan existing infrastructure, man power, their motivation and training needs and the delivery system have been critically scrutinized. There are glaring deficiencies in equipment and machinery, appliances, buildings and residential accommodation. A detailed exercise has revealed that there are :—

- (i) 28 medium/small towns where the existing facilities are inadequate.
- (ii) There are 12 tehsil level hospitals which warrant upgradation.
- (iii) There are 53 rural hospitals where the manpower is underutilized.
- (iv) There are 600 SHCs where in place of one whole time Class-IV already sanctioned two part-time Class-IV would improve efficiency.

**(v) Identification and Utilization of Surplus Staff**

It is proposed to re-skill and re-orient underutilized and surplus staff as under :—

(i) Some surplus Class-IV employees will be trained as Drivers/Lab. Technicians and absorbed against vacant posts.

(ii) 40 surplus posts of doctors, 40 posts of LHV's and 80 posts of Class-IV have since been surrendered.

(iii) Another proposal is already with the Finance Department for surrendering 100 posts of Class-IV employees. 600 more posts of Class-IV employees will be surrendered and in lieu thereof 1,200 part-time posts will be got created for better functioning.

(iv) 150 posts of ANMs in some institutions have been identified as surplus will be utilised against the vacant posts.

(v) 106 posts of Staff Nurses have been identified as surplus which will be redeployed in Institutions as where workload is more.

(vi) 3 posts of Medical Officers/Biostatisticians have been held in abeyance and in lieu thereof posts of System Analysts and Programmer have been got created for development of management information system and computerization in the Department.

**(II) Provision of Buildings****(i) Strengthening of Infrastructure :**

Despite rapid expansion, majority of Institutions are without proper buildings. More than 2000 out of 2852 Sub-Centres, 311 out of 460 Primary Centres and 60 out of 70 CHCs are without proper buildings and residential accommodation. Similarly 985 out of 1246 SHCs and 25 out of 53 Rural Hospitals also are without proper buildings.

It is also suggested that residential accommodation for A.N.Ms at Sub-Centres and for Specialists and para Medical Staff at CHCs and other Civil Hospitals should be provided on priority during 8th Plan period. It has been observed that because of the poor socio-economic infrastructure doctors tend to stay away from rural areas. It is proposed to construct "4 Medical Colonies for 5/10 Institutions at locations with relatively better socio-economic infrastructure and environment on Pilot project basis. Total estimated cost of providing proper buildings to these institutions works out to be Rs. 123.30 crores as indicated in the following table.

## ANNEXURE—I (ii)

Type of Institution	No.	Institutions without building proper	No. of Institutions where buildings are proposed to be constructed during the Plan	Cost per Institution average	Total Estimated cost (Rs. in lacs)
1. Sub Centre	2852	2000	800	2.00	1600.00
2. S.H.C.	1246	985	150	10.00	1500.00
3. P.H.C.	460	311	200	15.00	3000.00
4. C. H. C.	70	60	40	25.00	1000.00
5. Rural Hospital	53	25	20	20.00	400.00
6. Housing colonies for M.Os/Para-Medical Staff	—	—	—	—	1040.00
7. Community involvement—Construction of SHC/PHC/CHC	—	—	—	—	—
8. Revamping of Emergency services	—	48	48	—	3010.00
		Total		:	12330.00

In addition to this 400 Sub Centres are proposed to be constructed under IPP-VII—World Bank assisted Project.

**(ii) Provision of Equipment :**

In order to bring uniformity in the provision of equipment for various institutions, norms for different types of Institutions have been laid down and circulated to the Civil Surgeons and the District Planning Boards for allocation of funds for making up deficiencies. Besides keeping in view recent advances in diagnostic techniques a technical committee was constituted to recommend various sophisticated equipment and appliances which need be provided in Tehsil/District level Hospitals in order to improve referral services at these places. A sum of Rs. 20.00 crores has been proposed for this purpose.

reorientation courses for improving their knowledge and updating their skills. There is also dire need for imparting induction training to the Medical Officers and the para-Medical Staff at the time of their entry into service. In order to cover this gap, it is proposed to provide re-orientation training to all medical/para-medical staff after 3/5 years in the State Training Institution, Kharar, Health & Family Welfare Training Research Centre, Amritsar and at the basic Training Schools of Training Annexes proposed at district level under the World Bank Project will provide training for various ongoing Programmes and also update their knowledge.

**(iii) Man-Power Development :**

It is observed that after basic professional training Officers/Officials have not been exposed to

Eighth Five-Year Plan proposal have been prepared keeping in view the goals to be achieved by 2000 A.D. Target for years 2000 A.D. and present status in Plan in this respect is given in the table below :

## ANNEXURE—I

## Target of Health Indicators by 2000 A.D.

Serial No.	Indicator	Target	Current	Status of Punjab
1	Birth Rate	21.00	30.5	28.4 (1989) 27.6 (1990)
2	Death Rate	9.0	10.2	8.3 (1989) 7.8 (1990)
3	Infant Mortality Below Rate	60.0	91	64 (1989) 58 (1990)
4	Expectation of life at Birth (1990—96)—Male	64.0	(60.6)	66.6
	Female	64.00	61.7	66.5

Serial No.	Target	Current	Status of Punjab	
5	Percentage of eligible couples effectively protected upto 31st March, 1991	60.0	42.7	59.09
6	Annual growth rate of population	1.2	2.3	2.03 (1991 Census)
7	Family Size 1981 Census	2.3	4.5 (1984)	4.0 (1971-81)
8	Immunisation Status—(i) T.T. Pregnant Mothers	100%	N.A.	73.5% As Cluster Survey
	(ii) T.T. School Children	100%	NA	81.3%
	(iii) D P T	85%	NA	66.6%
	(iv) B C G	85%	NA	56.3%
	(v) Polio	85%	NA	65.5%
10	Deliveries by Trained Birth Attendants (S.R.S. 1988)	80%	NA	83.2%

**Director, Research & Medical Education :**

Break-up of the approved allocation for Annual Plan 1992-93 in respect of Directorate of Research & Medical Education, is as under :—

	1992-93
Revenue Outlay	663.00
Capital Outlay	587.00
<b>Total</b>	<b>1250.00</b>

The objectives of the department are—

- to provide Medical Education;
- to provide Patient Care of an advanced standard so that these institutions could act as referral centres and serve the surrounding districts of the entire State;
- to develop super specialities and provide training facilities for the para-medical as under :—

- Setting up of School of Nursing at G.G.S. Medical College, Faridkot with an intake of 50 trainees;
- Setting up of B.Sc.s. Nursing College at Medical College, Amritsar and Patiala with an intake of 20 trainees in each institution;
- School of Pharmacy at G.G.S. Medical College, Faridkot with an intake of 50 students.
- Imparting training in Medical Laboratory Technician Course with an intake

of 20 students in G.G.S. Medical College, Faridkot;

- To provide training to Medical/Para-Medical Staff of Medical Colleges/Dental Colleges and Hospitals so as to enable them to maintain the costly sophisticated equipments.

**1. MD 5.1 Strengthening of Office of D.R.M.E.**

For the Annual Plan 1992-93, Rs. 3.50 lacs are proposed on the revenue side under the above scheme for the continuance/new creation of posts. A post of Deputy Director in the scale of Rs. 3,700-5,700—HPA (in the rank of Assistant Professor) is proposed to be created to assist the Director, Research and Medical Education Punjab.

**2. MD 5.2 Expansion and Improvement of Medical College, Amritsar.**

An outlay of Rs. 100.00 lacs (capital side Rs. 50.00 lacs) has been provided under the above scheme. As per recommendations of the visiting Committee the following Departments are proposed to be strengthened with adequate staff as per norms of the Medical Council of India :—

**(i) Anaesthesia Department :**

- |                                   |   |
|-----------------------------------|---|
| (1) Professor Anaesthesia         | 1 |
| (2) Asstt. Prof. Anaesthesia      | 1 |
| (3) Sr. Lect. Anaesthesia         | 2 |
| (4) Senior Residents, Anaesthesia | 6 |

**(ii) Intensive Care Unit :**

- |                              |   |
|------------------------------|---|
| (1) Asstt. Prof. Anaesthesia | 1 |
| (2) Sr. Lecturer             | 1 |

(3) Registrars	4	Council of India. Keeping in view the recommendation already made in respect of Medical College, Amritsar by the Visiting Committee especially for E. C. C. unit and Anaesthesia Department. During 1992-93 following posts are proposed to be created for strengthening the Biochemistry Department :-	
(4) House Surgeons	6		
(5) Nursing Sisters	2		
(6) Staff Nurses	12		
(7) Sr. Lab. Technician	1	1. Associate Professor	1
(8) Laboratory Tech.	1	2. Asstt. Professor	1
(9) Ward Attendants	8	3. Lecturers	2
(10) Lab. Attendants	3	4. Laboratory Technicians	5
(11) Safai Sewaks	5	5. Laboratory Attendants	5
(12) E.C.G. Technicians	3		
<b>(iii) C.C.U.</b>		Besides the above equipment, a library-cum-lecture theatre costing about Rs. 60.00 lacs is required to be constructed during 1992-93 at Medical College, Patiala. An anticipatory expenditure of Rs. 65.00 lacs was incurred during 1991-92.	
(1) Registrars	3		
(2) House Physicians	4	<b>M. D. 5.4 Expansion and Improvement of G. G. S. College, Faridkot.</b>	
(3) Nursing Sister	1		
(4) Staff Nurses	6	Guru Gobind Singh College, Faridkot was taken over by the Punjab Government in the year 1978 from an Educational Trust. This College is yet under its infancy stage and requires much of infrastructure and as such needs much of funds for its development. At present this college has 50 admissions in the MBBS Course having 500 bedded Hospital. Against the anticipatory expenditure of Rs. 190.00 lacs in 1991-92 an allocation of Rs. 200.00 lacs (125.00 capital) has been provided for the year 1992-93 out of this an outlay of Rs. 75.00 lacs has been provided on the Revenue side. A brief S.O.E's. of which details for 1992-93 is as under :	
(5) E.C.G. Technicians	2		
(6) Bearers	5		
(7) Safai Sewaks	4		
(8) Laboratory Tech.	1		
(9) Store-Keeper	1		
<b>(iv) Biochemistry Department :</b>			
(1) Registrars	3	(1) Salaries	.. Rs. 25.00 lacs
(2) House Physicians	4	(2) Stipend	.. Rs. 5.00 lacs (Pharmacy Course & Medical Laboratory Course)
(3) Nursing Sister	1	(3) Mach & Equipment	.. Rs. 15.00 lacs (Rs. 10.00 lacs for College and Rs. 5.00 lacs for Pharmacy Course and Medical laboratory Course)
(4) Staff Nurses	6	(4) Office Expenses	.. Rs. 10.00 lacs (Rs. 2.00 lacs for Medical College & Rs. 8.00 lacs for above two courses)
(5) E.C.G. Technicians	2	(5) Material & Supplies	Rs. 15.00 lacs (10.00 lacs for Medical College and Rs. 5.00 lacs for above two courses.)
(6) Bearers	5	(6) T. A. /D. A.	.. Rs. 1.00 lac
(7) Safai Sewaks	4	(7) Motor Vehicle	.. Rs. 1.00 lac
(8) Lab. Tech.	1	(8) Liveries	.. Rs. 1.00 lac
(9) Store-Keepers	1	(9) Other charges	.. Rs. 2.00 lacs
<b>MD 5.3 Expansion and Improvement of Medical College, Patiala.</b>		<b>Total</b>	<b>.. Rs. 75.00 lacs</b>
Under this scheme an allocation of Rs. 150.00 lacs has been provided including capital component of Rs. 50.00 lacs and revenue component of Rs. 100.00 lacs. Rs. 100.00 lacs on the revenue side are required for the continuance of the posts sanctioned during 1990-91, likely to be sanctioned during 1991-92 as well as creation of new posts as per norms of Medical			

Rs. 125.00 lacs are proposed on the capital side are for the execution of various ongoing and new works of Guru Gobind Singh Medical College, Faridkot. The new works comprises of mainly :

- (a) O. P. D. block and
- (b) Library and Auditorium block.

#### **M. D. 5.5 Expansion and Improvement of Dental College and Hospital, Amritsar.**

Against the anticipated expenditure of Rs. 12.00 lacs during 1991-92 an outlay of Rs. 17.00 lacs has been provided for the year 1991-92 out of this Rs. 15.00 lacs provided on revenue side are required for various components for the development of the institutions. The provisions of Rs. 2.00 lacs provided on the capital side is required for the execution of following new works during the year 1992-93 :—

- (1) Principal's Residence
- (2) Staff quarters for Class-IV Government Employees.

At present this institution has been having 30 admission in B. D. S. course annually besides having MDS Course only in 5 subsidies/specialies.

Further the Biochemistry Department of Medical College, Amritsar is required to be strengthened in which the following posts are proposed to be created.

#### **(i) Biochemistry Department :**

- |                            |   |
|----------------------------|---|
| (1) Associate Professor    | 1 |
| (2) Asstt. Professor       | 1 |
| (3) Lecturers              | 2 |
| (4) Laboratory Technicians | 5 |
| (5) Lab. Attendants        | 5 |

#### **(ii) College Library :**

- |                        |   |
|------------------------|---|
| (1) Senior Librarian   | 1 |
| (2) Asstt. Librarians  | 3 |
| (3) Library Attendants | 3 |

Besides the above new works the following on-going works are proposed to be completed during 1992-93.

- (i) Providing 2 numbers boilers.
- (ii) Construction of Boundary wall around various hostels.
- (iii) Construction of Cycle Stand for students and Admn. Block.
- (iv) For providing acoustic treatment to library/ Multipurpose halls.

An anticipatory expenditure of Rs. 30.00 lacs been been accrued during 1991-92. Rs. 2.00 lacs on the capital side are required/needed for the execution of new works detailed above and completion of on-going works during 1992-93.

#### **MD 5.6 Expansion and Improvement of Dental College and Hospital, Patiala.**

However the budgetary provision of Rs. 90.00 lacs including Rs. 60.00 lacs for capital component are provided for the Annual Plan 1992-93. Out of which Rs. 30.00 lacs provided on revenue side, Rs. 5.00 lacs are provided for the continuance of the posts which are likely to be sanctioned during the year 1991-92. Remaining Rs. 25.00 lacs are required for the purchase of different types of Dental equipment, Dental Material and to meet with the Office Expenses, Motor vehicles charges, TA/DA and Medical Reimbursement charges etc. Rs. 60.00 lacs provided on capital side for the year 1992-93 are required for the completion of the on going works of Dental College Building at Patiala.

#### **MD 5.7 Expansion and Improvement of Libraries in State Medical Colleges and Dental Colleges.**

Against the anticipatory exp. of Rs. 20.00 lacs a total sum of Rs. 40.00 lacs has been provided on the revenue side for the Annual Plan 1992-93. The main objective of this scheme is to equip the libraries of three state Medical and Dental Colleges and to provide them with the latest editions of Medical Books/Journals. The Visiting Committee while making recommendations to the Govt. in their report have strongly recommended that the libraries of Medical/Dental College must have adequate stock of latest editions of Medical books/Journals.

#### **M.D. 5.8 Grant for Applied Research.**

Against the anticipatory expenditure of Rs. 2.00 lacs for 1990-91 an allocation of Rs. 2.00 lacs is provided on the revenue side under this scheme for carrying out Research Work in Medical/Dental College. Under this scheme, the proposals are invited from the interested scholars of 5 State Medical/Dental Colleges and 2 private colleges i.e. Dyanand Medical College, Ludhiana and C.M.C., Ludhiana to undertake the research works. This approach gives much incentives to the intending scholars/Professors of Medical/Dental Colleges.

#### **M.D. 5.9 Reorientation of Medical Education.**

Against the anticipatory expenditure of Rs. 5.00 lacs an amount of Rs. 5.00 lacs has been provided on the capital side only for the year 1992-93 so as to complete the ongoing works and remaining works required to be executed under this scheme. This scheme was started in 1979-80 to provide reorientation of Medical Education to the students and to the teaching faculty so as to produce future doctors who are sensitive to the needs and problems of rural areas and unprivileged sections of the society and who are mentally trained to deliver comprehensive health care. This scheme is being implemented in 9 Primary

Health Centres, 3 each attached with Medical College, Amritsar, Patiala and Faridkot. The construction work has yet to be completed at two Primary Health Centres in Amritsar Distt. one Primary Health Centre in Patiala and one Primary Health Centres in Faridkot is likely to be completed. The G.O.I. has also given one time grant of Rs. 4.79 lacs in December, 1979 to each of the three State Medical Colleges and two Private Medical Colleges, Ludhiana.

**MD 5.10 Expansion and Improvement of S.G.T.B. Hospital, Amritsar.**

Against anticipatory expenditure of Rs. 110.00 lacs during 1991-92 an amount of Rs. 200.00 lacs including capital component of Rs. 125.00 lacs has been provided.

The Visiting Committee strongly recommended that to provide better standard of medical education, Training and Research and Medical care to the needy, adequate funds must be provided to meet the existing deficiencies in the form of buildings, para-medical staff and machinery and equipment of this institutions.

During the year 1991-92, Rs. 80.00 lacs were provided on capital side for execution of works undertaken during 1990-91, i. e. (1) Emergency Department for Medical Surgery, Gyane and Obst. (2) Construction of Emergency Block and Radiology Block in GND Hospital, Amritsar, (3) Eight Stores for Medicines (4) Staff quarters for Class-III and IV Employees and (5) Hostel for House Surgeons. 200 bedded complex in the GND Hospital to accommodate all the super specialities must be completed during 1992-93 which are proposed to be started during 1991-92. Besides this the on-going works are also proposed to be completed during 1992-93. For the execution of above said work Rs. 125.00 lacs are provided for 1992-93.

**MD 5.11 Expansion and Improvement of Rajindra Hospital, Patiala.**

Against an anticipatory expenditure of Rs. 128.00 lacs during 1991-92, an allocation of Rs. 185.00 lacs has been proposed under this scheme for 1992-93 out of this sum of Rs. 100.00 lacs is provided for the capital content mainly for (a) installation of an Oxygen concentrating plants (b) modernisation and renovation of the old operation theatres (c) one Ultra Sound System with colour doppler for Rs. 45.00 lacs to be purchased for Radiology Department and other necessary equipment of Rs. 28.00 lacs provided on the revenue side are required (d) ICC Unit (e) Emergency block as well as Super-speciality Centre (f) Disaster care unit.

**MD 5.12 Expansion & Improvement of Guru Gobind Singh Hospital, Faridkot.**

For the Annual Plan 1992-93, Rs. 80.00 lacs are proposed on revenue side only against the approved outlay of Rs. 180.00 lacs for the year 1991-92.

Out of Rs. 80.00 lacs provided on revenue side Rs. 15.00 lacs are proposed for the creation of posts which are required to make up the deficiency

as per norms fixed for teaching hospitals, for running of CAT Scanning Machine which is being purchased during the year 1991-92. The remaining amount of Rs. 65.00 lacs are required for the purchase of Machinery and Equipment like Anaesthesia System, portable, Multiple parameter, Cardiac Monitor, Emergency stretchcher beds etc., various items of material and supplies, various items of contingent expenditure and various items of office expenditure.

**MD 5.13 Expansion and Improvement of T.B. Sanatorium, Amritsar.**

For the Annual Plan 1992-93. Rs. 10.00 lacs only on Revenue side are provided out of which Rs. 2.00 lacs are required for the continuance of the posts expected to be sanctioned during the year 1991-92. Remaining Rs. 8.00 lacs are proposed for the purchase of machinery and equipment and Material and Supplies as well as petty items of contingent expenditure.

**MD 5.14 Expansion and Improvement of T.B. Centre, Patiala.**

Under this scheme an amount of Rs. 20.00 lacs has been provided for the year 1992-93 including Revenue component of Rs. 10.00 lacs and capital component of Rs. 10.00 lacs. This centre was established in 1953 and played a significant role in the development of Tuberculosis Control. It runs a model D.I.P. for state, training to various para-medical workers. At present the bed strength of the hospitals is 166. Out of Rs. 10.00 lacs proposed on the Revenue side Rs. 2.00 lacs has been proposed for salary component and remaining 3.00 lacs for the machinery and equipment. Rs. 10.00 lacs proposed on the capital side are for the completion of following two works :—

(i) Administrative Block.

(ii) Lecture Theatres.

**MD 5.15 Setting up of school of Nursing at Guru Gobind Singh Medical College, Faridkot.**

For the Annual Plan 1992-93, Rs. 60.00 lacs including Rs. 30.00 lacs for capital component has been proposed. This scheme will help to provide employment opportunities not only in the public sector but also in the private sector. During the year 1991-92 admission for 50 training nursing students is being started. Rs. 30.00 lacs required on the capital side during the year 1992-93. will be utilised for constructing a building for nursing school complex and the remaining amount is for the salary component and purchase of machinery & equipment.

**MD 5.16 Setting up of B.S.C. Nursing Colleges at Amritsar and Patiala.**

Under the Annual Plan 1992-93. Rs. 70.00 lacs has been provided including the Revenue Component of Rs. 40.00 lacs and capital component of Rs. 30.00 lacs. This scheme is also employment generating scheme. Necessary admission for 50 students are being made during the year 1991-92. Rs. 40.00 lacs provided on the Revenue side will be utilised for the

salary component, purchase of machinery and equipment material and Supply. Rs. 30.00 lacs provided on Capital side are required for the construction of Principal Office as well as Resident and staff quarters at Patiala.

MD 5.17 Training of Staff for Medical Colleges and Hospitals attached for maintenance of equipment.

Under this scheme Rs. 17.50 lacs has been provided on the Revenue side for the year 1992-93. The main purpose of this scheme is to get the medical and para-medical staff of Medical Colleges and Dental Colleges and allied Colleges trained so as to enable them to maintain the costly sophisticated equipment installed in the institution.

**Director Health Services :**

**PH 1.1.—Employees State Insurance Scheme**

It is proposed to provide health services to the workers of the Organised Sector. A sum of Rs. 5.00 lacs as 1/8th Share of the State Government has been provided for the year 1992-93 for the setting up of the new ESI Dispensaries and upgradation of the existing ESI Dispensaries

**PH 1.2: Strengthening of School Health Clinics Programme :**

There are about 30 lacs students who need to be examined in 12,312 Primary Schools and 4,096 Higher Secondary and Middle Schools. It has been found that approximately 30% of school going children are having some disease, defect/disorder which needs care and out of these 5% of students need referral services. In addition to the Medical Check-up the teachers and the students are given health education on various general health topics so as to create an awareness for accepting the principles of positive Health. Depending on the age and Immunization Programmes, this saves them from falling a prey to these preventable diseases.

School Health Clinics have been set up one each at district H. Qs. At State headquarters this programme is looked after by Assistant Director. No supporting staff under this scheme has been sanctioned. Proposal is to provide one post each of Assistant, Clerk, Stenotypist, Driver, Peon and Chowkidar, besides proposed provision also includes purchase of vehicle. Proposal is to prepare Medical Check up record for each school going child, printing of health materials. Approved allocation for 1992-93 is Rs. 10.00 lacs on the revenue side.

**PH. 1.2 (A) Intensive Dental Health Care Programme for School Children, Teachers and the Public:**

3)

The Intensive Dental Health Care Programme launched in the State is a most important programme of the Department during the year 1991-92. About three lacs school children and about 2200 primary School teachers were covered under this programme. The main thrust of this programme is to educate the students, in the age group of 6—12 years and school teachers about the importance of dental health in over-

all normal health of child and impart dental health education regarding oral hygiene measures, dietary advice, nutritional guidance and propagation of the use of locally available Oral Hygiene aids as per the socio economic status of the area. Also the children are visited by the Dental Doctors after six months to look out for any incipient dental lesion in oral cavity and to initiate prophylactic and preventive measures. Under this scheme dental health exhibition-materials, printing of proformas and dental health education materials and supply of fluids tablets, powder and varnish are provided. It is proposed to provide six mobile Dental clinics during the year, 1992-93. For this purpose a total provision of Rs. 25.00 lacs has been made on the revenue side under this scheme for the Annual Plan 1992-93.

**PH. 1.3 (a) Opening of New Dispensaries in Urban Slum Areas/Suitable Urban Places:**

The purpose of opening new dispensaries in Urban Slum Areas/other suitable places is to provide medical facilities to the growing urban population and to take off the work load from the bigger hospitals so that the staff working there could spend more time and attend to serious cases. Such dispensaries are opened in those parts of the towns which are predominately inhabited by poor working class/Economically weaker sections of the society on the recommendation of District Planning Boards so that people living in such localities may derive maximum benefit from such Institutions. Opening of such dispensaries will also help in providing medical facilities to the slum dwellers near their home.

By the end of 7th Five Year Plan there were 224 dispensaries in the State including E.S.I. dispensaries and other local funds dispensaries. During 1990-91, 5 such dispensariss were set up. Annual Plan 1991-92 has a target of setting up such dispensaries for which a provision of Rs. 19.00 lacs had been made. Proposed allocation for 1992-93 is Rs. 20.00 lacs on revenue side to open 5 dispensaries in 1992-93 besides continuation of the dispensaries set up in 1990-91 and 1991-92.

**PH. 1.3 (b) Strengthening of Existing Dispensaries/Institutions in Medium and Smaller Towns:**

In the absence of proper health facilities being available in medium and smaller towns, people have to rush to major towns for their health and medical care needs. In order to improve the institution it is proposed to strengthen the dispensaries/Institutions functioning at such places by providing additional staff in terms of a Lady Doctor, Laboratory Technician, Public Health Nurse/S. Nurse, Radiographer and 2 Nos. of class-IV.

A new plan scheme was admitted in Annual Plan 1991-92 with a provision of Rs. 18.00 lacs (capital 6.00 lacs) for strengthening of 6 dispensaries. In all 28 dispensaries were required to be strengthened under this scheme. An allocation of Rs. 30.00 on revenue side is provided to cover the 10 dispensaries

### PH. 1.5 Upgradation of Existing Hospitals:

Under this scheme various Institutions are upgraded to higher status keeping in view the increase in population as also the public demand for provision of better/improved services.

During the 7th Plan period, 7 hospitals were upgraded to higher status and one 50 bedded hospitals were established at SAS Nagar. In the Annual Plan 1990-91, this scheme was merged into Revamping of Emergency Services while in the year 1991-92, this scheme has been again included by the Planning Department. Approximately 5 hospitals will be upgraded during the year 1992-93 with an approved outlay of 5.00 lacs on the capital side.

### PH. 1.8 Provision/Opening of Psychiatric Clinics at District level Hospitals

The present materialistic age is full of tension due to socio economic problems, etc. There is thus an increase in the number of cases suffering from mental strain and other psychiatric problems. A sum of Rs. 6.50 lacs is provided during 1991-92 to establish/provide Psychiatric clinics at Civil Hospital Gurdaspur and Ferozepur and Bhatinda.

Rs. 10.00 lacs on the revenue side during the period 1992-93 for continuation of three+ establishment of 3 new clinics.

### PH 1.9 Establishment of Physiotherapy Units at District Hospitals :

A good number of patients after surgery, especially after orthopaedic Surgery required to be given physio-therapy treatment. Besides a good number of ailments such as cervical spondylosis, ankylosing spondylitis, Post-hemiplegic patients require only physiotherapy treatment under the supervision of a qualified physiotherapist. During 1990-91 it was proposed to add/provide such units at Civil Hospitals, Bathinda, Gurdaspur, & Hoshiarpur.

During 1991-92 besides continuation of three physio therapy units, it is proposed to add two more units one each at Sangrur and Ropar. An amount of Rs. 8.50 lacs wees provided on this account during 1991-92.

Two such units will be established in 1992-93. Rs.13.00 lacs on revenue side are provided during 1992-93 on this account.

### PH. 1.10 Blood Transfusion Services in the State— Sub-divisional Hospitals.

As a result of rapid mechanisation in Agriculture and increase in the traffic as also as a result of the prevailing situation in the State there is an increased demand for blood in order to save precious human lives. Although during the 7th Five Year Plan as also during the 1990-91 and 1991-92 efforts have been made/are being made to establish blood banks in various sub-divisional /important town hospitals, but still there are certain instituticrs which could not be covered earlier needs to be provided with this facility. Two Blood Banks are proposed to be established during 1992-93.

During the year 1992-93, a sum of Rs. 10.00 lacs on revenue side has been provided to meet the expenditure on this account for M & E, Material and supplies and salary of the staff.

### PH 1.11 Providing of Independent Feeder to provide continued slides in Hospitals

In order to ensure un-interrupted supply of electricity which is essential for keeping life saving drugs vaccine, sera, etc. at proper temperature in the Deep freezers/Regrigerators, to avoid loss of potency or their becoming ineffective, it is proposed to provide independent feeders at District and other important hospitals under this scheme in a phased manner.

In the year, 1991-92 the funds to the tune of Rs. 10.00 lacs for the installation of independent feeders were provided. A sum of Rs. 13.00 provided during 1992-93 on the revenue side for this purpose.

### PH. 1.12 Providing Generator sets at District and other important Hospitals

During break down or cut in the supply of electricity it is essential to have a generator set for the supply of electricity in important hospitals/ other institutions so as to prevent hardship and risk of life to the patients particularly during the surgical operations.

In the year, 1991-92 the funds to the tune of Rs. 10.00 lacs were provided in some of the important hospitals depending upon their requirement. A sum of Rs. 13.00 lacs is provided during 1992-93 for this purpose on the revenue side.

### PH. 1.13 (a) Providing of Solar Water Heating Pannels in Hospitals.

In order to conserve the conventional sources of energy & promote the use of non-conventional sources, this scheme is initiated by Government of India, in which 70% of cost on system will be subsidised/contributed by Government of India and remaining 30% of the cost alongwith the cost of Civil works, etc. will have to be provided by the State Government. The implementation of the scheme is likely to result in the saving of money spent on account of fuel and payment of electricity bills to some extent.

In the year 1991-92 funds to the tune of Rs. 5.00 lacs were provided for installation of new solar water heating pane pannels and maintenance of existing ones, in various hospitals. A sum of Rs. 7.00 lacs is provided for the purpose during the year 1992-93 on the revenue side.

### PH. 1. 18 Improvement of Punjab Mental Hospitals Amritsar.

Mental Hospital at Amritsar is the only Institution which is catering to the requirement of mentally sick patients of Punjab, J & K and Himachal Pradesh, By and large most of these patients are neglected



lot and have to be cared for day and night, For this purpose it is essential that the hospital staff is provided accommodation within the hospital premises. Mental Hospital is functioning in a very old building. The water supply position for the institution is also not satisfactory. Most of the staff quarters constructed many years back have been declared unsafe for habitation, The out-patient wing requires renovation/reconstruction. It is proposed to remove these deficiencies and provide quarters for essential staff in a phased manner. During the year 1991-92, a sum of Rs. 30.00 lacs was provided for the construction works in Punjab Mental Hospital, Amritsar, Rs. 5.00 lacs have been provided on the revenue side for purchase of bedding, clothing linen, other articles in the hospitals.

During the year 1992-93 a sum of Rs. 35.00 lacs (including Rs. 30.00 lacs capital) is provided to carry on the above said activities.

#### **PH. 1.19 Providing of Mortuary Vans at District Headquarter Hospitals.**

At present no facilities exist even at district level hospitals for transporting the persons who die in the hospital as a result of illness etc. The relatives of the deceased often press the authorities to allow the transportation of dead body in hospital ambulance. This cannot be allowed, however, it is necessary that arrangement should be made for transporting the dead body to the place desired by the relative.

During the year 1991-92 a sum of Rs. 5.75 lacs was provided for purchase of 2 mortuary vans alongwith creation of two posts of drivers and funds for POL. Two districts are provided to be covered during 1992-93. A sum of Rs. 9.50 lacs on revenue side has been provided for the year 1992-93 on this account.

#### **PH. 1.20 Improvement of District offices by providing additional space for offices/renovation and storage facilities.**

Recently there has been addition of the posts sanctioned under School Health Clinics, Universal Immunisation Programme. Similarly with the increase in the number of National Health Programmes as also increase in the number of Medical Institutions in the State, the requirement for storage of medicines Machinery Equipment, supplied under Family Welfare Programme, insecticides, vaccines, requiring storage at particular temperature etc. has also increased.

There has not been any provision under any scheme for creation (construction) of additional space for this purpose. It is proposed to provide these facilities at all the district Headquarters in a phased manner.

During 1992-93 a sum of Rs. 18.00 lacs (Rs. 12.00 lacs on capital side) is provided to take up this work in three districts of the State.

#### **PH. 1.21 Removal of shortcomings in existing Institutions.**

District Sub-Divisional and other hospitals are being upgraded since 1966-67 as per the availability of funds in the annual plan. Due to constraint of resources the requisite buildings could not be provided at all the upgraded hospitals. It is proposed to construct new/additional buildings alongwith staff quarters at the required places. It is also proposed to provide additional material and supplies/machinery and equipment in the existing upgraded hospitals and improve and strengthen their services.

For this purpose an amount of Rs. 5.00 lacs on the revenue side has been provided for the year 1992-93 for removing the shortcomings in the existing Institutions.

#### **PH 3.1 (a) Opening of New Sub-Centres-MPW Schemes and strengthening of Sub-centres.**

A sub-centre is provided to serve a rural population of approximately 5000. Service of one male and one female Multi-purpose health worker are available to provide Maternal and child care, immunisation, Family Planning, Services treatment for minor ailments and services for control of communicable disease, environmental sanitation and services under various National Health Programmes etc. While the salary of MPW (F) and honorarium to Vol. workers as also pay of H.A. (M) is provided by the State Govt. funds for purchase of machinery and equipment, medicines, rent for the building (if taken on rent) and contingent expenditure was to be met by Govt. of India under 100% Centrally Sponsored Family Welfare Programme, the pay of MPW (M) is provided for by the State Government. By the end of 7th Plan 2852 sub-centres were in position, for every 5000 population approximately. 112 sub-centres were set up during the year 1990-91, same is the target for the year 1991-92. The proposed allocation is Rs. 190.00 lacs to set up 60 sub-centres (150.00 lacs capital) in 1992-93.

The proposal, is to provide one HA (M) for supervision for every four MPW(M) for all the sub-centres opened during the previous plan periods. To meet the shortage of HA(M), it is proposed to start six months promotional training course for MPW(M) to become HA(M) at Health & Family Welfare Centres from the existing resources of the State Health Department, till the assistance from Govt. of India becomes available. These steps will help to improve the functioning of the Department. Along with these steps as per norms of Govt. of India each sub-centre is to be provided with medicines worth Rs. 2000 per annum so as to provide medical treatment to pregnant mothers, children and general public. Last year the Govt. of India had decided to provide medicines for sub-centres being funded by GOI. The rest of sub-centres, out of 2852 are therefore required to be covered under Minimum Needs, Programme.

#### **PH 3.2(a) Construction of Housing Colony in Selected Blocks of the State for Doctors and Para Medical Staff.**

There are 330 PHC (Mini) and 1246 subsidiary Health Centres functioning in the rural areas (

of the State. A large number of these are functioning in the buildings provided by the Gram Panchayats as temporary arrangement. In the absence of proper building the adequacy of services being provided by these institutions is not satisfactory. As such it is essential to provide buildings and staff quarters at those institutions in a phased manner.

During 1991-92 a sum of Rs. 50.00 lacs was provided for the construction of buildings of colonies for medical officers in selected blocks of the State in Rural areas so as to create a nucleus for round the clock services in such blocks.

A sum of Rs. 145.00 lacs on capital side is provided on this account during 1992-93.

### **PH 3.2 (b) Grant-in-aid for Construction of Buildings for Sub-Centres, PHC's and CHC's**

As a result of this rapid increase in the setting up of medical Institutions there has been a big backlog in the provision of buildings for the institutions. As at present there are approximately 320 Primary Health Centres, 985 Subsidiary Health Centres and more than 2000 Sub-Centres which are without proper buildings. In the absence of proper buildings the desired quality of services cannot be provided.

In order to provide buildings for these institutions, it is proposed to solicit the participation of the community in the form of free land for the construction of buildings and the 50% of the cost for the construction. The remaining 50% is proposed to be provided as matching grant. For this purpose Rs. 50.00 lacs on the capital side has been provided in the Annual Plan 1992-93.

### **PH 3.5 Opening/Establishment of PHC/Upgradation of Existing SHC's (Dispensaries) to PHC's.**

During the 7th Plan period 330 SHC's were upgraded to the level of PHCs raising the total Number of PHC's to 460 i.e. one for approximately 30,000 population. It was proposed to upgrade 12 SHC's to the level of PHCs during 1990-91 for which a sum of Rs. 280.00 lacs (225.00 capital) was provided out of which Rs. 255.00 lacs was meant for the completion of ongoing works at 16 places.

During 1991-92 it was proposed to upgrade 12 more SHC's to PHCs besides continuing the 12 established during 1990-91. A sum of Rs. 250.00 lacs (200.00 lacs capital) was provided for this purpose. The SHC's upgraded to PHC's will be provided with one Community Health Officer, one staff nurse, one lab. technician and two class IV employees. The amount on the revenue side is meant for salary of additional staff, purchase of machinery equipment, for provision of medicines and office expenses etc.

A sum of Rs. 225.00 lacs (165.00 lacs capital) is provided during 1992-93 for the continuation of 12+12 PHC's being established and for the establishment of 12 new PHC's during 1992-93.

### **PH 3.5 (iii) Providing of Telephone Facilities at 460 Primary Health Centres (PHC's)**

In order to establish proper referral system from PHC (at 30,000 pop. level) upwards, Govt.

of India under a scheme have provided funds on non-recurring basis for the provision of telephone facilities at all the PHC's (except where already existing) in the rural areas of the State. The purpose of this scheme is to give prior information to the higher institution for taking suitable preparatory action for care of the patients being referred from the lower level in case of emergency.

A sum of Rs. 17.00 lacs is provided on the revenue side during 1992-93 for payment of telephone callbills for telephones installed at these PHC's.

### **PH 3.5 (iv) Establishment of Mobile medical Teams in Border (Areas) 40 Teams**

Because of the peculiar problems of the people living within 10 kms. of the border belt in seeking medical aid for which they have to travel long distances, it was proposed to establish 40 Mobile dispensaries in the border districts of Amritsar (14), Ferozepur (12) and Gurdaspur (14) during 1990-91 at an estimated cost of Rs. 125.00 lacs. Each Mobile team is proposed to be provided with one Medical Officer, one Pharmacist, one LHV/HA(F) 2 class IV along with the Mobile van and a driver. Out of Rs. 125.00 lakhs, an amount of Rs. 100.00 lakhs was meant for purchase of vehicles (40). The remaining amount of Rs. 25.00 lacs was meant for salary of staff, purchase of medicines, M&E POL and office expense etc.

During the year 1991-92 a sum of Rs. 93.00 lacs had been provided for the continuation of 40 Mobile Medical teams being established. An amount Rs. 5.00 lacs on the revenue side is provided for the continuation of these mobile teams during 1992-93.

### **PH 3.6—Continuing Education of PHC/Rural Health Staff (50:50 sharing basis)**

Under this scheme, medical and Paramedical staff working in the PHC/Rural areas of the State is proposed to be given reorientation training in batches after every 3—5 years at selected training schools/centres in order to update their knowledge and improve their skill. The recurring expenditure on salary, stipend etc. is shareable on 50:50 basis between State Govt. & G.O.I. A sum of Rs. 6.00 lacs is provided during 1991-92 as 50% State share for this purpose.

A sum of Rs. 7.50 lacs is provided for 1992-93 on the revenue side.

### **PH 3.7 Establishment of Community Health Centres**

As per the decision of cadre review committee taken in November, December, 1989, it is proposed to establish one C.H.C. for approximately every one lakh population. The projected mid year population 1995 is expected to be 156 lakhs. Thus 156 C.H.Cs are required to be established by the year 1995. It has been further decided by the cadre review committee to provide each C.H.C. with a specialist in Medicine, Surgery, Gynae and Obst. paediatrics, Anaesthesia, Public Health & one S.M.O.

By 31st March, 1990, 70 C.H.Cs. have been established. It was Planned to establish 15 CHC during 1990-91 for which an amount of Rs. 135.00 lacs (85.00 lacs capital) was provided.

During 1991-92 a sum of Rs. 100 lacs excluding funds for salaries etc. were provided for establishment of 18 more CHC's besides continuation of 16 CHC's being established during 1990-91. The amount under the capital Head was provided for the provision of additional building at some of the CHC's established during the 7th Plan period.

An amount of Rs. 165.50 (72.00 capital) lacs has been provided for 1992-93.

**P.H. 3.9 (a) Establishment of Dental Clinics Strengthening/Removal of shortcomings in the existing Dental Clinics**

During the 7th Five-Year Plan it could not be possible to remove the shortcomings in respect of machinery and equipment in 50% of the Dental clinics functioning in rural areas of the State. During the period 1990-91 and 1991-92 it was proposed to provide the remaining dental clinics with requisite machinery and equipment. In the year 1990-91 Rs. 12.00 lakhs were provided for the removal of shortcomings in these clinics. Out of this a sum of Rs. 8.30 lakhs was meant for the purchase of machinery and equipment while Rs. 3.70 lakhs for the purchase of dental material, medicines etc. at the rate of Rs. 3000 per Dental clinic for 123 dental clinics.

During the year 1991-92 a sum of Rs. 12.00 lacs was provided for purchase of machinery and equipment etc. for the clinics in which same could not be provided earlier or need replacement.

A sum of Rs. 15.00 lacs on revenue side for 1992-93 has been provided for removal of shortcomings and replacement of equipment which has outlived its utility.

**P.H. 3.9 (b-1) Strengthening of Dental Clinics in 100 and above bedded hospitals**

At present there are 18 hospitals with bed strength of 100 and more in which dental clinics are functioning with only one Dental Doctor. Although he has to attend to general dental patients along with referred patients from peripheral P.H.Cs level dental Clinics and also look after the Intensive Dental Health Care Programme for school children. The total number of patients attended in the each O.P.D. varies from 50 to 120 and it is impossible for one doctor to attend such a large number of patients more so when each patient requires minimum of 20 to 30 minutes and without any qualified assistant. So it is proposed to create one more post of Dental Doctor in twelve of these 100 bedded hospitals and 17 posts of Dental Hygienists at total cost of Rs. 11,52,000. In addition one post of Dental Electrician-cum-Mechanic is also required at every district headquarter as to repair and maintain the Dental equipment in various Dental Clinics of the Districts and keep this dental equipment in working order. A sum of Rs. 15.00 lakhs on the revenue side has been provided for the Annual Plan 1992-93.

**PH. 3.9 (b) (iii) Opening of New Dental Clinics at CHCs and other suitable places.**

At present one Dental Doctor serves a population of one lac in rural areas and stationed at old PHC. With the introduction of latest technology in promotion of treatment of dental diseases more than 80% of the people are suffering from one or the other dental diseases it is not possible for one Dental Doctor to look after the health care needs of such a huge population group, so it is proposed to open one Dental Clinic to serve 30,000 people, in phases during the next 10 years. During the year 1992-93 it is proposed to establish 32 Dental Clinics in the PHCs/RHs and Civil Hospitals with a bed strength of 120 beds. Under this scheme 33 posts of Medical Officers (Dental) and 33 Dental Attendants will be created with a provided outlay of Rs. 13.00 lacs during the Plan period 1992-93.

**PH. 6.1 (a) Training of Doctors in Hospital management and administration/participation in various pre-services/in-service training courses.**

During the graduate training course, the doctors imparted training only in the clinical aspects of the medical care of the patient. They are not given any training in management and administration, the doctors are seemed to be handicapped in properly running the Medical institutions. Besides this, once a doctor completes his graduation he is almost given no occasion to refresh and up date his knowledge. The lack of above said training/trainings opportunities to doctors is a handicap in proper functioning of various health institutions/programmes in the stage. This aspect was taken note of by the Sandhwalia Committee who advised to provide greater avenues to doctors for attending seminars, workshops conferences, and other managements training courses.

Besides this, a reference book/document in order to provide guidance to the medical officers in his/her day to day functioning is very essential.

The present medical manual is more than half a century old and is outdated. A revised medical manual has been prepared for use by the medical officers. It is proposed to get sufficient copies of this manual printed. During 1991-92, a sum of Rs. 7.00 lacs had been provided for various training courses and seminars, by doctors.

A sum of Rs. 10.00 lacs has been proposed during 1992-93 for the abovesaid purpose on the revenue side.

**PH 6.1 (c) Training of Dental Officer at Advanced Training Course, Mohali.**

Since the major thrust of the State Health Department is to provide Dental Health Care facilities to each and every individual in the State and special programmes are to be launched in collaboration with the I.C.M.R., Delhi, so, extensive in service training to the Dental Doctors will be provided at the Advanced

Dental Training and Research Centre, and to evolve a special module for the State for extensive coverage of the State population under the intensive Dental Health Care Programme.

The main stress will be to evolve a suitable practicable programme for the children as well as the community with reference to locally available dental health education aids and taking into consideration the local beliefs, habits and other conditions. A programme is being developed at the centre which will promote positive dental care through dental health education, preventive dental health incipient, dental care, interceptive dental and periodical recall checkup.

An amount of Rs. 3.00 lacs was provided during the year 1991-92 for the scheme. A sum of Rs. 6.00 lacs on revenue side has been provided for the scheme during 1992-93.

#### **PH 6.2 (a) National Malaria Eradication Programme Plan (Rural) (50 : 50 Sharing)**

National Malaria Control Programme was implemented in Punjab State in the year 1955 and was switched over to the National Malaria Eradication Programme during the year 1958-59. During this period the programme progressed according to schedule and out of 10.00 N.M.E.P. Units area 9.65 Units entered into maintenance phase leaving behind 0.35 unit area in consolidation phase during the year 1967.

Due to occurrence of large number of Malaria focal out-break and Malaria Positive cases, Government of India introduced Modified Plan of Operation from the year 1977-78. According to this scheme all the rural areas are sprayed with DDT/BHC/Malathion by giving 2/3 rounds of spray operations in the State to avert Malaria situation and lower down the Malaria incidence.

From the year 1980-81 it is continuing as Centrally Sponsored Scheme on 50 : 50 basis according to which 50% of the total expenditure of Rs. 149.75 lacs reimbursed by the GOI.

During the year 1991-92, an amount of Rs. 149.75 lacs was provided for continuation of this scheme as 50% share of State Government against the requirement of Rs. 500.00 lacs.

It is proposed to adopt a new policy for the control of Malaria from 1992. A sum of Rs. 170.00 lacs on the revenue side has been provided on this account during 1992-93.

#### **PH. 6.2 (b) Provision of additional Lab. Technician each PHC's 50 : 50 S.B.**

Under the scheme "provisions of Additional Laboratory Technician in each Primary Health Centre" one additional Laboratory Technician is to be pro-

vided to each PHC so that the Blood slides under N.M.E.P. are tested immediately and Radical Treatment can be given in time. Uptil now 100 posts of Additional Laboratory Technicians have been created during the year 1985-86 (50), and 1986-87 (50) 30 posts during 1991-92. A sum of Rs. 26.00 lacs on the revenue side has been provided during 1992-93 for continuation of these posts.

#### **PH 6.3 National Malaria Eradication Programme (Urban) Anti-Larval—50 : 50 Sharing**

The scheme "Urban Malaria" Anti-Larval Operation in the urban areas was started by the GOI from the year 1977-78. Accordingly on the recommendation of GOI five towns, namely, Amritsar, Ludhiana, Jalandhar, Ferozepur and Patiala were taken up. During the year 1980-81 three more towns, Malerkotla, Bhatinda and Kapurthala have been taken up. Scheme is also being implemented in five towns i.e. Rajpura, Nabha, Jagroan, Hoshiarpur, Gurdaspur from 1986-87. In these towns all water collections where mosquitoes breed are filled up so that water does not stagnate. In addition to the above case for instituting the scheme in three more towns i.e. Barnala, SAS Nagar and Sangrur is also likely to be sanctioned by Government during 1991-92/1992-93.

The object of the scheme is to control and eradicate Malaria by carrying out Anti Larval Operation in the Urban towns by treating all types of water collection with different larvicides/Malaria Larvicides.

The requirement of funds as 50% State share is Rs. 50.00 lacs during 1992-93. The entire amount is kept on the revenue side.

#### **PH. 6.4 National Tuberculosis Control Programme (50:50 Sharing Basis)**

The objective is to reduce the pool of infection by discovering New T.B. cases by active case finding programme through spectrum examination of case/patients suspected to be suffering from tuberculosis on the basis of signs and symptoms.

Targets for spectrum examination and detection of new cases are given by Government of India based on population of the State and past work done as well as the number of PHC's.

Funds have been provided for Anti-T.B. drugs along with necessary Machinery equipment and other material required for the proper implementation of T. B. Control Programme. For proper and effective supervision of this National Programme, mobility of State and District Tuberculosis Officer is very essential.

A sum of Rs. 54.00 lacs 12.00 lacs on capital side is provided during 1992-93 as 50% state share.

#### **PH 6.5 National Programme for Control of Blindness opening of district Eye Mobile hospitals.**

At present the post of Eye Surgeon is provided only at Distt. level, Hospitals. There is no post of Eye Surgeon at Sub-Divisional Hospitals or at Town Hospitals. Ophthalmic Assistants are provided at PHC level and at Distt. level Hospitals. There is no facility for providing even preliminary services regarding Eye ailments at Sub-Divisional Hospitals. During the year 1991-92, a sum of Rs. 10.00 lacs is provided for the scheme to create posts of Ophthalmic Assistants at above said Hospitals. A sum of Rs. 13.00 lacs is provided during 1992-93 for the continued components of the scheme.

#### **PH 6.6 Expansion of Immunisation programme**

Immunisation of infants, school children and pregnant mothers with patent vaccines against the disease preventable by immunization is one of the major activity of the department. Government of India has provided the required equipment for storage of vaccines at requisite temperature, cold chain equipment is the responsibility of state government. This is required to be done speedily and on time as vaccine not kept at proper temperature lose their potency soon. In order to ensure this it is necessary that some spare parts like compressors, thermostat relay and gas filling equipment is kept available as these are usually required. Some amount is also required in care as these are to be got repaired from open market. An amount of Rs. 10.00 lacs was provided during the year 1991-92. An amount of Rs. 13.00 lacs on the revenue side is provided during 1992-93.

#### **PH 6.7. Hospital Treatment of Diarrhoea Diseases by Oral Rehydration Therapy.**

Diarrhoea in children in the age-group of 0-5 year is quite common and is one of the major cause of morbidity and mortality. This can be considerably reduced if the child is saved from rehydration. Under this scheme, it is provided to procure O.R.S. powder packets for distribution through health functionaries working in the field. An amount of Rs. 3.00 lacs was provided for the year 1991-92. A sum of Rs. 4.00 lacs on the revenue side is provided for this purpose during 1992-93.

#### **PH 6.8 (a) Creation of Food Cell at Directorate Level.**

Our country is committed to achieve the goal of health for all by the year 2000 AD. Ensuring pure and wholesome food is the first stepping stone for achieving this objective. The national Health Policy therefore out-lines the need for food safety and quality control. Realising the importance two meeting of Health Ministers of states/U.T.s were held on 1st. September, 1984 and 22nd February, 1986. exclusively for considering programme of implementation of Food and Drugs laws in the country.

To make this programme a success and result oriented it is quite imperative that the programme is effectively, implemented, supervised monitored and evaluated in a systematic way.

With this objective in view the scheme in question was got included in the seventh Five Year Plan and the planning Board also accorded their concurrence but due to the financial crises faced by the State Government, the scheme in question could not be implemented during the seventh Five year plan period.

The scheme will provide the implementation of this programme in more effective manner and also provide legal assistance in deciding the cases. During the year 1992-93 a sum of Rs. 3.50 lacs on the revenue side is provided for the implementation of the scheme.

#### **PH 6.9 Strengthening of Drugs Control Organisation/ Strengthening of Drugs Testing Laboratories**

The Drugs Control Programme aims at ensuring quality drugs to the ailing masses. To achieve this end, samples are drawn from various establishments and are got tested in state drugs laboratory, Chandigarh. This programme is controlled and supervised by the State Drugs Controller under the administrative control of the Director, Health and Family Welfare, Punjab. The State Drugs Controller is assisted by two Assistant Drugs Controllers, Licensing Authorities and 14 Drugs Inspectors in the field. In order to enforce the provisions of the Drugs and Cosmetics Act, 1940 and other allied enactments/rules made thereunder more effectively, the Dropti Committee constituted on his behalf by the Centre Government recommended the division of the State into Zones. Each such zone is to be headed by the Assistant Drug Controller who needs to be provided with mobility.

The Committee has also fixed the norm for the appointment of Drugs Inspectors in the State. According to the recommendations made—one Drugs Inspector is required for every 25 manufacturing Units and one for every 100 sales premises. Accordingly in the State of Punjab 62 Drug Inspectors against the sanctioned strength of 14 are required to be sanctioned. Taking into consideration the above norm and need of the hour a proposal to strengthen the state Drugs Control Organisations was included in the Seventh Five Year Plan. But in view of the financial crises, the scheme could not be sanctioned. During the year 1991-92 a sum of Rs. 10.00 lac had been provided for the implementation of the scheme. An amount of Rs. 13.00 lacs is provided on the revenue side on this account during 1992-93.

#### **PH. 6.11 Strengthening of Food Laboratories.**

The prevention of Food Adulteration Act, and its rules have been made more stringent by providing deterrent punishment to the extent of life imprisonment in the recent years, so as check the adulteration which is not only a heinous social crime but may sometimes prove to be hazardous. Since the Food testing laboratories which are playing the key role to check the adulteration, should be developed

to the desired standard through out the country, so that no innocent person may be harrassed or any defaultier may remain unpunished on account of variation in scientific investigations. This can only be achieved by providing better working facilities, equipments, technical knowledge keeping in pace with the latest methodology related to the developments of food industry.

In the state of Punjab there are at present three food testing laboratories, one at the state level others at Jalandhar and Bhatinda. There is wide scope for the strengthening of these laboratories with men and machinery for the successful implementation of prevention of Food Adulteration programme in the state. With this end in view, during the year 1990-91 a sum of Rs. 3.20 lacs was provided. During the year 1991-92 a sum of Rs. 3.50 lacs had been proposed for the implementation of scheme.

During the period 1992-93, a sum of Rs.4.00 lacs has been proposed for this scheme including an amount of Rs. 1.50 lacs on the capital side.

**PH 6.11 (a) Revamping of Emergency Services in the State.**

In the recent past many instances of terrorist connected incidence, bomb blasts, natural calamities, motor vehicles accidents etc. have exposed the deficiencies in the existing medical care services and it has become imperative to revamp the emergency services in the state hospitals.

Because of the increasing population and shift population from rural areas to urban areas there has been a constant demand for increasing the health care facilities. As a result of rapid expansion some of the hospitals sanctioned/upgraded during the previous plan periods, could not be provided proper buildings and machinery equipment etc. Besides the specialists in various hospitals, additional staff is required as per recommendation of the cadre review committee.

With the vast expansion in the Health Services in the State, requirement for blood is increasing rapidly due to rapid industrialisation and vehicular traffic. Surgical operations are now being carried out in all the Sub-Divisional hospitals and even at the level of Primary Health Centres for which the requirement of Blood Bank services at all the Sub-Divisional hospitals is needed during the Annual Plan 1992-93.

A sum of Rs. 1074.50 lacs (696.00 capital) was agreed to be provided during 1990-91. But funds provided for construction works could be utilised only to the extent of 1/6 for various reasons. In the year 1991-92 the funds to the tune of Rs. 776.00 (438.00 capital) for the continued component had been provided. During the year 1992-93 a sum of Rs. 900.00 lacs (including 580.00 lacs capital) has been provided for completion of works of Trauma wards and residential accommodation at a large majority of the places.

**PH 6.11 (c) Establishment of Intensive care Units At District Level Hospitals.**

At present only 4 District level hospitals, i.e. C.H. Jullundur, C.H. Ferozepur, C.H. Hoshiarpur and C.H. Bhatinda are sanctioned with Intensive Care Units, besides the hospitals attached with Medical College Amritsar and Patiala. There is always risk of life to such patients while under transportation.

In order to provide on the spot facilities to serious patients, it is very essential to have Intensive Care Units at all District Hospitals.

A sum of Rs. 18.00 lacs on the revenue side has been provided for the establishment of one Intensive Care Unit and providing necessary equipment and staff for the same during the Annual Plan 1992-93.

**PH 6.12 Strengthening of State Health and District Laboratories.**

Laboratory investigations plays an important role in the diagnosis of various diseases. It is very essential that required technical staff for this purpose is provided as also the needed machinery and equipment and other material including Chemical reagents are provided. A sum of Rs. 5.00 lacs on the revenue side has been provided for strengthening of District laboratories at Bhatinda, Gurdaspur and Ludhiana during 1992-93. One Senior Laboratory Technician is to be provided for strengthening of these laboratories.

**PH 6.13 (b) Strengthening of Chemical Laboratory.**

One of the Chemical Examiner Laboratory is at present located at Patiala. This Laboratory besides conducting the tests of Excise Samples is also undertaking the analysis of medico-legal samples. This laboratory is functioning in a delapidated building which has been declared unsafe for human habitation. A sum of Rs. 13.00 lacs on the Capital side has been proposed for the year 1992-93.

**PH 6.13 (a) Strengthening of State Health and Excise Laboratories.**

The following laboratories at present are engaged in the analysis of the samples of excisable articles and that of medicolegal cases :—

1. State Analytical Laboratory under the charge of Chemical Examiner, Patiala.
2. Excise Laboratory, Amritsar.
3. Excise Laboratory, Chandigarh.
4. Excise Laboratory, Bhatinda.
5. Excise Laboratory, Jalandhar.

The medicolegal samples are analysed in the State only at the State Analytical Laboratory under the charge of Chemical Examiner to Government, Punjab, Patiala. The laboratories at Bhatinda and Jalandhar are primarily meant for

analysis of food samples. Since, the existing laboratory at Patiala was finding it difficult to cope with the work load, recently the Excise work has also been allocated to these laboratories in addition to the analytical work of food cases. The work load could not be streamlined even on the allocation of work to these laboratories.

The delay in analysis of excise samples cause a set back in deciding the prosecution cases in the courts. The Analytical reports become the basis of the decision of the cases. Till such time the reports are not submitted, the Challans are not put up in the courts for processing and decision of the cases. As such the delay in analysis of the samples not only causes legal complication but the accused are unnecessary detained in the prisons.

In order to cope the work with existing laboratories it is essential that these laboratories may be strengthened with men and machineries. During the year 1992-93 a sum of Rs. 5.00 lacs has been provided for strengthening of State Excise Laboratories for which the entire State will be benefitted.

**P.H. 6.14 Creation of Goitre Control Cell in the Directorate for Goitre Control Programme.**

Goitre is an endemic disease caused due to deficiency of Iodine in the body. This causes enlargement of thyroid gland in the neck. Iodine deficiency during pregnancy results in irreversible development resulting in cretinism which results in the birth of a mentally retarded child with defects in speech, hearing, squint and stunted growth.

This Iodine deficiency can be prevented by increasing the intake of iodine through the use of iodized salt. Although Goitre is known to be prevalent in the Sub-Himalayan Region of the State but its prevalence needs to be known by Special survey of the whole State. Goitre control cell in the Directorate is proposed for the following purposes :—

- (1) Survey of the whole State especially 9 Districts (Excluding Gurdspur, Hoshiarpur and Ropar) to know the prevalence of Goitre in these districts also.
- (2) Co-ordination between Food and Civil Supplies Department to ensure supply and sale of only iodized salt in the State.
- (3) Educate people regarding prevalence of Goitre and the importance of using iodized salt.
- (4) To conduct surveys from time to time to monitor the effects of implementation of Goitre Control Programme.

For this purpose, it is proposed to create the Goitre Control Cell with post of one Deputy Director, one steno, one Statistical Assistant, one Clerk typist, one Driver, one Peon at an estimated cost of Rs. 7.00 lacs on the revenue side during 1992-93.

**PH 6.16 Grant of additional incentives/compensation out of the State funds to acceptors of sterilization.**

Sterilisation is a terminal method of contraception which needs admission followed by operation and average period of rest range from 7—10 days. As per policy of Government of India as well as State Government, the Acceptors need to be compensated for the loss of wages. In addition the operating team needs to be encouraged to provide better care for conducting operation and post operation follow up treatment/services. For the last many years State Government have been providing Rs. 50 per Acceptor of sterilisation. Due to hike in prices and increase in wages, Rs. 50 are inadequate and do not commensurate with the amount on account of loss of wages by the acceptors. There is therefore a need to increase the compensation out of the state Funds to the extent of Rs. 100 per Acceptors from the existing rate of Rs. 50 per acceptors. An amount of Rs. 70.00 lacs has been provided during 1992-93 for this purpose on the revenue side.

**PH 6.17 (a) World Bank Assistent Project Training for Manpower Developments.**

The aim of the project is to accelerate the provision of manpower and quality services in the State by imparting training and retraining and providing proper working place to the most peripheral staff i.e. MFW(F) in rural areas of the State. It is possible only through a well organised training programme followed by regular and systematic in-service training. Besides this there is a need of specialised training courses for medical and non medical supervisors at all levels. It is also proposed to impart Health Knowledge and motivation techniques to certain organised groups in the community like private practitioners, voluntary organisation and local bodies etc.

The project will have the following components:—

- (1) Training and Manpower development.
- (2) Strengthening/provision of infrastructure.
- (3) Removal of deficiencies in the health delivery system. During 1992-93 a sum of Rs. 140.00 (67.00 lacs capital) is provided as 10% share of State Government.

**PH 6.18 Establishment of Health equipment and Maintenance Repair Unit.**

The State Hospitals have equipments worth more than 25.00 crores. In the absence of satisfactory arrangements for maintenance and repair most of the equipment remains out of order for long period till it is got repaired at heavy cost from the open market. It has been proposed to establish equipment and repair/maintenance units in all the Districts. There is already a post of Electrician, Carpenter and Blacksmith sanctioned for 100 bedded hospitals. It is proposed to create few more posts so that repairs and maintenance of the hospital equipment is done expeditiously and at a much cheaper cost within the hospitals. A sum of



Rs. 4.00 lakhs has been provided during 1992-93 for the continued component at Bhatinda and Ferrozepur being established.

**PH 7.14(a) Strengthening of Planning Cell in the Directorate.**

There has been tremendous expansion in the health facilities both in the rural as well as in the urban areas of the State. The number of health Institutions have been increased 8 to 10 times since 1970. Similarly total Nos. of state plan schemes, district plan schemes as well as of Centrally sponsored/Centrally aided schemes have also been increased to double time, for which it is not possible for the present post of Deputy Director (Planning) alone to cope with the increased burden without the help of any other responsible officer assisted by the subordinate staff.

As such there is a hard need to appoint some one responsible officer having the full knowledge of the Department well as specially in the Directorate to co-ordinate the work of above said Plan schemes/Plan proposals for assisting the Deputy Director (Planning). Accordingly for the present at initial stage, it is proposed to create the post of officer on Special Duty (Planning) with one Stenotypist and one Class IV employee. For this scheme a sum of rupees 1.00 lacs is provided during the year 1992-93, for the initial proposed staff. The entire amount is on the revenue side.

**PH 6.19(b) : Setting up of a legal cell in the Directorate of Health and F.W. Punjab and its Field offices.**

There are about 1258 Court cases of different nature concerning this department pending in the various Courts. These cases are at present being handled/ followed by the officials who are not legal experts with the result that a great difficulty is experienced in preparation of replies to the Complaints and subsequently follow-up action and at occasions cases fail in the court. This is one of the largest departments manned by about 35,000 employees. The litigation work is on the increase day by day. Besides establishment matters, the department has to deal with the court cases pertaining to the implementation of Drugs and Cosmetic Act 1940/ Rules, 1945. In dealing with such type of cases, the necessity of creation of Legal Cell has been felt at the earliest. The Punjab Government Department of Home Affairs has also desired to send proposals for creation of Legal Cells in order to stream-line the work of legal agencies in the State. In order to deal properly and defend the court cases: Legal Cell in the Directorate and Field Offices consisting of following staff is required to be created at the earliest :—

1. Law Officer	..	One
2. Supdt. Legal	..	One
3. Legal Assistants	..	Seventeen (12 for Field Offices)
4. Sr. Assistants	..	Two
5. Sr. Scale Stenographer	..	One
6. Clerks	..	Fifteen (12 for field offices)
7. Peons	..	Two

A sum of Rs. 9.50 lacs on revenue side has been provided 1992-93.

**PH 7.2—Prophylaxis against Nutritional Anaemia in Young Girls**

It has been observed that large majority of young girls (75%) especially living in rural areas suffer from varying degree of anaemia. This anaemia gets exaggerated after marriage during pregnancy.

In order to provide prophylaxis them with iron Folic tablets.

During the year 1992-93, a sum of Rs. 7.00 lacs on the revenue side is provided for the purchase of these tablets.

**PH 7.3—(a) Management Information System**

Realising the major draw back of present system of collection and compilation of information which takes considerable time in obtaining vital information on various Health and Family Welfare programmes, the Government of India felt that there should be an intergrated Health information system's by which the information on major Health programmes may be expeditiously collected, tabulated, analysed and fed back for the remedial measures. Under this new Management Information System the registers and records have to be maintained at sub centre/supervisory level. An outlay of Rs. 4.50 lakhs was provided during 1990-91 for the printing of records and returns register and forms. A sum of Rs. 5.00 lacs is provided on this account during the year 1991-92. During 1992-93 an amount of Rs. 6.50 lacs on the revenue side is provided for this purpose.

**PH 7.3—(b) Medical Record Units**

The broad objectives of establishing these medical record units are as follows :—

- (a) For maintaining chronological record of the patients.
- (b) For preparing various periodical hospital reports/returns that is Annual Hospital/Dispensary Reports, monthly Reports, etc.
- (c) To work-out the morbidity and mortality pattern of the area served by the hospital.

As far as getting up of New Medical Record Units is concerned, there are 53 total number of hospitals, having bed more than fifteen years of age. The remaining 34 hospitals are still without any Medical Record Units. Keeping in view the financial constraints, it was proposed to set up only 16 Medical Record Units during the year 1991-92 with the same existing staff pattern of one Statistical Assistant. A sum of Rs. 5.00 lacs had been allocated for the said purpose during the year 1991-92. The sanction/approval of the proposal already submitted to the Government is still awaited.



For further strengthening of the existing medical record units and for the continuation of the said plan scheme already submitted to the Government, a sum of Rs. 6.50 lacs on the revenue side has been provided to be included in the plan budget outlay during the plan year 1992-93 under the Major Head of Account "2210—Medical and public Health—80—General and Public Health—004—Health Statistics Evaluation-1—Health Statistics and Research (Plan)".

**PH 7.3—(c) Establishment Strengthening of Civil Registration Units in the Municipal Corporations/Committee as per 1991 Census**

With a view to implement the Registration of Births and Deaths Act, 1969 in the urban areas, the Civil Registration Units were set up in 34 Municipal Committees of towns/cities with population 20,000 and above during the year 1975-76 on the basis of 1971 Census as per the norms of staff approved by the Registrar General, India. Subsequently, the existing units were strengthened with additional staff and new Civil Registration Units in 10 more Municipal Committees/Corporations as per 1981 Census were also established during the year 1992-93.

The present plan scheme aims at strengthening of the existing Units and setting up of the 13 New Civil Registration Units in the Municipal Committees/Corporations in the State according to 1991 Census. A sum of Rs. 3.50 lacs on the revenue side has been provided to be included in plan budget outlay for plan year 1992-93.

**PH 7.5—Completion and Improvement in buildings of department not owned by P.W.D.**

A large No. of Health institutions such as sub-centres, Subsidiary Health centres and Primary Health Centres have been opened in the State in the Rural areas during the previous plans periods. Because of shortage of funds Government buildings could not be provided for all these institutions. In order to help/supplement the efforts of Government in this regard various Vcl. agencies such as Red Cross, Rotary Clubs, private parties (Donors) have constructed buildings for housing the above-said institutions. Some buildings have been constructed by Gram Panchyats also for this purpose.

It is obvious that work regarding repairs is required in large majority of these buildings. Their maintenance required to be done by some agency so that crores of Rs. spent on the construction of these buildings do not go waste. During the year 1991-92, a sum of Rs. 100.00 lacs had been provided for the purpose to undertake the process of repair and maintenance. An amount of Rs. 100.00 lacs (Capital) is provided for the purpose during 1992-93.

**PH 7.9—Scheme for self Employment of Doctors and Paramedical Staff in Rural Areas.**

During the previous plan period, the state government has been doing its best to provide

health care facilities both for the Rural and Urban areas of the State. In spite of all these efforts, there are areas in which the provision of a qualified Medical Officers either could not be made or the doctors are not willing to stay there. In order to fill such gaps and to encourage the qualified MBBS Doctors to settle in rural areas and start their own clinics, it is proposed to provide incentives in terms of subsidies that they may purchase the necessary equipment etc. as also build-up their Clinics and residences. For this purpose the places/locations will be identified and each such doctor who undertakes to set up his clinic at such locations and stay there for a minimum period, of five years will be given 10% subsidy subject to a maximum of Rs. 25,000.

Similarly Para-medical staff such as Pharmacist who are willing to start a Chemist shop near some existing rural hospital (where no chemist shop is there) will be provided a subsidy of Rs. 25,000 in case he gives an undertaking to continue stay there for a minimum period of five years.

It is proposed to start this Scheme from 1991-92. For the annual plan 1992-93 a sum of Rs. 100.00 lacs has been provided on the revenue side for this purpose.

**PH 7.10 Mobile Teams (for Disaster Management).**

In order to tackle the unforeseen emergencies such as accidents, natural calamities and Epidemics etc. it is proposed to establish 12 Mobile Teams for Disaster Management during the year 1991-92 for which a sum of Rs. 45.00 lacs was provided.

In order to continue these teams during 1992-93, it is very essential that a sum of Rs. 50.00 lacs on the revenue side has been provided to meet the expenditure on the continued component.

**PH. 7.11.—Special Economic package : Human Resources Development in the Border Distts. of the State for Delivery of Health care facilities.**

Due to various reasons the Socio Economic development in the border districts of the State had been adversely affected resulting in poor quality of life of the people in these border areas. In order to ensure proper human resources development of the people in the border areas, it is essential to increase the inputs in education, industries and other sectors. Improvement in the Health Infrastructure and related matters is equally essential for desired human resources development. Infrastructure facilities are to be further strengthened so as to ensure availability of quality health care delivery system in these districts. Besides this, certain additional incentives are to be provided to the various functionaries of the department as to ensure their availability at the desired places. Under the scheme the P.H.Cs proposed to be upgraded to the Community Health Centres. Provision of proper buildings for the Medical institutions, providing of essential equipment and ambulance alongwith necessary material and supplies, etc. A sum of Rs. 1.00 lacs is provided for the year 1992-93.

**PH 7.13—Setting up of Burns Unit at District level Hospitals.**

It is observed that in the past there has been an increase in the number of cases coming to various Hospitals with Burns injuries. These Burns cases require special care because of the large raw area. They are liable to get infection and septecemia very easily if not attended to properly. Apart from this, there is a need to provide special type of equipment for their care. In order to provide these facilities at District level Hospitals (at 100 bedded or above) it is proposed to take up these Institutions in a phased manner at the rate of 3 during the year 1992-93. It is proposed to provide these facilities at Civil Hospital, Jalandhar, C.H. Bhatinda and C.H. Hoshiarpur at a cost of Rs. 6.00 lacs. No staff is proposed to be created under this scheme. A sum of Rs. 5.00 lacs on the revenue side has been provided under this scheme during 1992-93.

**PH 7.12—Improvement/Strengthening of the office of Directorate Health.**

During the past few years there has been considerable expansion both in the field offices as also in the office of D.H.S. A good number of officers have been inducted/posted at the Directorate level. Most of these Officers are of the rank of Joint Director or Additional Director. For various reasons it has not been possible to provide them with the requisite facilities for proper functioning. In order to get the best out of the Officers the staff functioning at the Directorate level it is essential that the desired facilities are provided to them. There is a need to provide telephone facilities as also replace the out dated M&E to improve the functioning. It is proposed to provide PBX facilities. Telephone facilities to all the Officers in the Directorate and Telephones at residences of the Senior Officers of the Directorate. During 1992-93 an amount of Rs. 5.00 lacs on the revenue side has been provided under this scheme during 1992-93. No staff is proposed to be created under this scheme.

**Ayurvedic**

Ayurvedic the most ancient system of medicine is very efficacious and suitable to Indian Community. This system relies upon natural resources such as herbs and minerals and is cheap and suitable to Indian population. Above all it is free from any side effects which are generally associated with so called modern system of medicine.

Ayurvedic department is providing free medical services in the State through a net work of 524 Ayurvedic/Unani dispensaries and 4 Ayurvedic Hospitals. On education and training side there is a Government Ayurvedic College, Patiala. Besides there are 4 private Ayurvedic Colleges in the State, Dayanand Ayurvedic College Jullundur, Laxmi Narain Ayurvedic College, Amritsar are affiliated to the Guru Nanak Dev University Amritsar. The two other private Ayurvedic College,

namely (i) S.S.M.D. Ayurvedic College Moga and Dhanwantri Ayurvedic College, Chandigarh are affiliated to the Punjab State Faculty of Ayurvedic and Unani System of Medicine. In order to cater to the medicinal requirement, of the Government and Ayurvedic Unani dispensaries and Hospitals, there is Government Central pharmacy and Stores, Patiala.

A total outlay of 108.00 lacs has been proposed for Annual Plan 1992-93 including Rs. 4.00 lacs for the Annual Plan 1992-93.

**AY 2.1 Strengthening of State Head quarter.**

Ayurvedic department has been lacking in proper staff for administration at the headquarter office. Because of manifold increase in the activities of the directorate on account of various National Health Programmes like Family Planning, Malaria Eradication Programme and other pilot Projects, the demand for additional staff is very much justified. Therefore, it is proposed to provide the under mentioned posts at the headquarters during Annual Plan 1992-93.

Superintendent	..	1
Assistants	..	3
Clerks	..	2
Peon	..	1

Rs. 5.00 lacs has been proposed for the year 1992-93.

**AY 2.2 Strengthening of District Head quarter Staff.**

A well knit District organisation is very essential for the implementation of various plan and non-plan schemes/activities of the department in a planned manner. At present only skelton staff is provided in the office of District Ayurvedic/Unani Offices which is very inadequate to meet the ever increasing work load with the introduction of new programmes in the state/district administration. Further provision of telephone facility and vehicle facility is essential for better control. Rs. 5.00 lacs has been provided for the year 1991-92 for the above mentioned period.

**AY 2.2 (a) Creation of Posts of Vaid for mobile units in Districts.**

The Department has been organising special medical camps in far-flung remote areas of each district where medical facilities of any system are not available. Moreover, in the event of natural calamities such as floods and epidemics timely medical help is of paramount importance. The department can meet such eventualities in a perfect manner if it is provided with mobile units. The department purposes to appoint a competent senior physician specially trained for this purpose in such mobile units. It is understood that 40 mobile vans have been deployed in the three border districts by the directorate of Health Services. To start with, it may be desirable not to give Ayurvedic Department any independent mobile unit, but one vaid may

be attached for each of such mobile vans who will accompany his allopathic counterparts. It has been proposed to create 8 posts during the year 1992-93. Rs. 3.00 lacs are provided for the year 1992-93.

#### **AY 2.3 Upgradation of Government Ayurvedic Dispensaries to Swasth Kendras.**

With a view to provide better medical facilities, the concept of Ayurvedic Swasth Kendras was approved by the State Government and consequently sanctioned ten Swasthya Kendras to be implemented during the year 1991-92. Considering the encouraging results of the scheme of Ayurvedic Swasthya Kendras the department have decided to establish one Swasthya Kendra at each of the 46 sub-division in the State of Punjab. Ten Swasthya Kendras have since been established and two more Swasthya Kendra are expected to be established during the year 1991-92. It has been proposed to open 6 swasth kendras during 1992-93.

It will be a district level infrastructure Oriented Scheme. Rs. 18.00 lacs has been provided for the year 1992-93 on this account.

#### **AY 2.4 Estt. of 10 bedded Ayurvedic Hospitals at District Level.**

It is proposed to establish eight 10 bedded Ayurvedic referral Hospitals one each at District Headquarters at Ferozepur, Gurdaspur, Ropar, Sangrur, Kapurthala, Hoshiarpur, Faridkot and S.A.S. Nagar, Mohali being in closed vicinity of Chandigarh. One Ten bedded Hospital at Bathinda & One 106 Bedded Ayurvedic Hospital at Patiala are already functioning at present. Two Hospitals have been started, one each at Ludhiana and Jalandhar during 1991-92. The proposed hospitals will be responsible for providing all specialised needs of the patient for treatment through Ayurvedic System of Medicine. These hospitals will be headed by Senior Physicians assisted by another Physician and necessary para-medical staff required for smooth functioning of the institutions.

Under the Annual Plan 1990-91, ten bedded hospital at Ludhiana was established and has started functioning. Another 10 bedded hospital is expected to be commissioned in the Annual Plan 1991-92 at Jalandhar. During the year 1992-93 two ten bedded Hospitals would be established for which Rs. 13.00 lacs has been provided. It will a District Plan Scheme.

#### **AY 2.5 National Health Programmes Implementation through Ayurveda.**

'National Health Programme Implementation through Ayurveda has received much appreciation from the ailing humanity in the year 1990-91 when it was introduced in the state of Punjab. Under this scheme Pilot Projects like National Health Programme through I. S. M., Establishment of Malaria Management Units, Leprosy Control Programme, Nutrition Programme with simple herbs/Ayurvedic medicines for pregnant woman, Nursing mothers and under-fed children has been started, from the year 1991-92.

With a view to improve the Health of suffering people of the state, the scope of the above scheme is proposed to be widened by including the diseases like Aam Vatt, Madhu Meh, Prohibition of Narcotic drugs, Phenitis Signogitis Bronchitis Asthama, Gas trouble, Round Worms, Hyperacidity, Hypertension, Liver Disorder, Sanghrehni and Acidity.

Rs. 10.00 lakhs has been provided for the year 1992-93.

#### **AY 2.6 Upgradation of Govt. Ayurvedic Hospital, Patiala.**

The present Government Ayurvedic Hospital, Patiala is the biggest institute in the state for providing Indoor and Outdoor facilities through the Ayurvedic Systems of Medicine. The existing bed strength is 106 which is proposed to be raised to 150 beds. Besides providing medical facilities, it provides clinical training to the post-graduate students. 100 beds shall be needed for training facilities. 30 special rooms would be attached with this hospital. This hospital is to serve as Referral Hospital also for all Ayurvedic Hospitals, and Dispensaries functioning in the State. The development of this hospital is very much needed for proper standardisation and providing specialised treatment to the suffering people.

For the Annual Plan 1992-93, provision of Rs. 2.00 lacs is provided for Revenue component.

#### **AY 2.7 Providing of essential furniture/ equipment and medicines in the existing illequipped dispensaries :**

At present existing 524 Ayurvedic/Unani dispensaries functioning in the state are ill equipped so far as essential furniture/equipments and medicines are concerned. For want of these essential requirements, the suffering people of the State cannot be properly and usefully provided medicare facilities. With a view to adequately equip these rural based Ayurvedic/Unani Dispensaries, it is felt that sufficient supply of furniture/equipments and medicines are provided by the district level authorities in whose jurisdiction these dispensaries are functioning. For this purpose District Development and Planning Board's could be in the advantageous position to assess the actual requirements of these dispensaries in consultation with the District Ayurvedic & Unani Officer's of their districts.

It will be District Level infrastructure scheme. Rs. 12.00 lacs has been provided for the year 1992-93.

#### **AY 4.3 Upgradation of Govt. Ayurvedic College, Patiala into Institution of Higher Studies in Ayurveda—Establishment of 12 Independent Departments under Promotion of under Graduate Education**

Government Ayurvedic College, Patiala is one of the pioneer institutions of the country in the field of Ayurvedic Education. The famous Ayurvedic Vidyalaya of the Erstwhile Patiala state Produced

Ayurvedists of International fame who took Ayurveda beyond the sea-shore of India. This Vidyalaya was upgraded to the Status of a full fledged Ayurvedic College under the First Five Year Plan in the erstwhile Pepsu State.

The undergraduate wing will have 12 Independent Departments as per standard laid down by Central Council of Indian System of Medicine. Under this scheme one Department with the following staff have been sanctioned in the year 1991-92 at an estimated cost of Rs. 2.00 lacs :—

1. Professor	..	One
2. Lecturers	..	Two
3. Demonstrator	..	Two
4. Museum Keeper	..	One
5. Sweepers	..	Two

Rs. 5.00 lacs has been proposed for the year 1992-93 on Revenue Side.

#### **AY 4.5 Expansion and Augmentation of production of Ayurvedic medicines in the Govt. Central Pharmacy and Stores, Patiala.**

Production of standard Ayurvedic medicines and its adequate supply to state Ayurvedic dispensaries hospitals is the need of the time. The existing Ayurvedic Pharmacy is not fully equipped. It is proposed to augment the production of Ayurvedic medicines by re-organising the Govt. Central Pharmacy and Stores, Patiala. For the year 1992-93 a sum of Rs. 35.00 lacs has been proposed out of which Rs. 4.00 lacs is for capital works. This scheme is proposed to be executed from the headquarter as it involves various technical aspects which need to be decided at the higher level.

#### **Homoeopathy**

For the development of Homoeopathic System of Medicines, Punjab, an amount of Rs. 105.00 lacs has been proposed for the Annual Plan 1992-93.

#### **HM 2.1 Strengthening of Headquarter Staff :**

The Ayurvedic Department looked after the Homoeopathic dispensaries in the state before 1980. In 1980, a separate department of Homoeopathy came into existence. At that time there were 20 Homoeopathic Dispensaries in the State. During the 6th Five Year Plan, 30 more dispensaries were opened. During the 7th Five Year Plan, 35 Homoeopathic dispensaries and one 10 bedded cancer and skin diseases Homoeopathic Hospital at Jalandhar had been established. With effect from 1-4-1991, 20 more Homoeopathic dispensaries were opened. During the year 1991-92, a case for opening of 40 more dispensaries is under consideration of the State Government. There are 1035 Homoeopathic Dispensaries in the state at present, with the opening of 40 more Homoeopathic Dispensaries the number will be reached to 1475. At the time of existence the department was provided with one post of Asstt. Director, one post of Supdt. Grade-III, 2 Asstts., 2 Clerks and

one post of Steno-typist. This staff is not sufficient to meet the requirements of the department for the development of Homoeopathic system of Medicines in the State. To make up the deficiency of the staff one post of Joint Director and one post of Deputy Director with adequate supporting staff is required to be created. For communication purposes, 4 telephones (two for the office and one each at the residence of Joint Director and Deputy Director) are required for the efficient functioning of the department as there is no telephone at the head quarter uptill now. The department is provided with only one staff car which is inadequate to meet the requirement of the department. So one more car is needed. The scheme for the creation of one post of Deputy Director, upgrading one post of Supdt. Grade-II to Grade-I, 2 posts of Asstts., one post of Senior Scale Stenographers, two Clerks and one Peon have been proposed to be continued, during 1992-93. The case of which has already been sent to the Government for according its sanction during the year 1991-92. An amount of Rs. 2.00 lacs has been provided during the Annual Plan 1992-93.

#### **HM 2.2 Provision of staff at District Level Dispensaries.**

Till September, 1986, the salaries of the staff working in the directorate as well as in the dispensaries were drawn at the headquarter and then disbursed to the concerned. The Homoeopathic dispensaries are opened all over the state. So this arrangement of getting salaries creates a problem for the staff.

The Homoeopathic physician working in Govt. Homoeopathic dispensaries at the distt. Headquarters have been declared as Drawing and Disbursing Officer, in their own pay scale in October, 1986. The 3rd Punjab Pay Commission has upgraded 14 posts of Homoeopathic Physicians in the pay scale of Rs. 2000—3500 and on the recommendation of Anomilies Committee they have been upgraded in the pay scale of Rs. 2200-4000 and designated as Incharge of District Level Homoeopathic dispensaries. Homoeopathic Physician have been performing their duties without any ministerial staff. Because of lack of supporting staff they are unable to perform their professional duties and to provide their services to the suffering people. So it is necessary to provide them the supporting staff. A case for the creation of one post of Homoeopathic Physician, one Clerk and one post of Sweeper Cum-Chowkidar at all the 12 Districts of the State has already been sent to Government for according their sanction during the year 1991-92. It has been proposed to continue this scheme during the Annual Plan 1992-93. A sum of Rs. 10.00 lacs is provided during the Annual Plan 1992-93 on account of this.

#### **HM 2.3 Opening of Homoeopathic Dispensaries in the State.**

The Homoeopathic System of Medicines proves very effective particularly for children diseases, female diseases, skin diseases, chronic diseases and so called incurable diseases like Asthma, Rhomatism, Arthritis, Psoriasis etc. In coming years this system of medicine is becoming more

popular. Popularity of the Homoeopathic system can be evident from the following No. of patients treated in Govt. Homoeopathic dispensaries in the State :

Year	No. of patients treated
1980	24,699
1981	78,323
1982	3,56,898
1983	4,39,628
1984	3,72,087
1985	4,23,504
1986	5,13,611
1987	6,90,487
1988	7,15,372
1989	7,79,534

To achieve the National Goal 'Health for all' by 2000 A.D. it has been proposed to set up 30 dispensaries per year. The building for such dispensaries would be constructed/provided by the Gram Panchayats/Municipalities. The staff consisting of one Homoeopathic physician, one dispenser and one class-IV employee would be provided as per accepted norms in each Homoeopathic dispensary.

During the year 1990-91, 20 new Homoeopathic Dispensaries have already been sanctioned w.e.f. 1-4-1991. The case for opening of 40 new dispensaries during the year 1991-92 has already been sent to Government for according sanction. It has been proposed to continue this scheme being sanctioned during 1991-92 in the Annual Plan 1992-93. The aim is to open 30 dispensaries during the Annual Plan 1992-93.

An allocation of Rs. 52.00 lacs has been provided during the Annual Plan 1992-93.

#### HM 2.4 Strengthening of Existing dispensaries :

During the 1990-91 the scheme was transferred to District Plan. This scheme has been again kept at the Headquarter by the department of Planning as this department does not have offices at the District Head quarters.

Some of the Homoeopathic dispensaries in the State have shortage of machinery, medicines and other equipments. So it is proposed to equip those dispensaries with adequate medicines and equipments. For better services to the suffering people. It has been proposed to continue this scheme likely to be sanctioned during 1991-92.

A sum of Rs. 5.00 lacs has been provided during the Annual Plan 1992-93.

#### HM 2.5 Publication of Homoeopathic Literature in Regional Language (Punjabi).

The availability of relevant literature in the mother tongue of the people is necessary for the development/popularisation of the Homoeopathic system of Medicines under this scheme the following activities are proposed to be undertaken.

1. Preparation of English/Punjabi Glossary/Dictionary of technical terms.
2. Translation of standard books in Punjabi.
3. Preparation of Original books in Punjabi in Homoeopathy.

The implementation of this scheme would be done through Punjab State University Text Book Board. It has been proposed to continue this scheme during the Plan 1992-93 likely to be sanctioned during the year 1991-92 at a cost of Rs. 3.00 lacs. An amount of Rs. 2.00 lacs is provided during the Annual Plan 1992-93.

#### HM 2.6 State Institute of Homoeopathic Education and Research.

The State Institute of Homoeopathic Education and Research is almost important for the proper development of Homoeopathic system. Presently there are only two privately managed Homoeopathic Medical Colleges in the State running Diploma Course of Homoeopathic Medicines and Surgery (one at Ludhiana and one at Abohar). There is not much hope for scope of development of these institutions.

The proposed institute of Homoeopathic Education and Research will be affiliated to Punjabi University, Patiala and would intake the following activities :

1. **Teaching** : The institution will run the following courses:—

- (a) Degree Course in Homoeopathic Medicine and Surgery.
- (b) Graded degree course for Homoeopathic physician having D.H.M.S.
- (c) One year course for Homoeopathic Dispensaries.

2. **100 bedded Hospital** : For the practical training as per norms laid down by M.C.I. of Homoeopathy it is proposed to establish a 100 bedded hospital attached to the institute.

3. **Research** : The institution would serve as a centre of Research in Homoeopathy and Special emphasis would be given to research schemes dealing with peculiar problems of some areas of the state like sub-mountainous, kandi areas and southern Districts of the State (Bhatinda, Faridkot, Ferozepur and part of the Sangrur district) where under ground water is saline.

#### 44. Manufacturing/preparation of Homoeopathic Medicines.

To increase the production of Homoeopathic medicines it is proposed to set up a unit in the institute for manufacturing Homoeopathic medicines. This unit would also serve the training needs of the students undergoing training in the Institute.

45. Extension Services : For imparting Health Education and awareness to the masses this institute would have a strong extension wing. A sum of Rs. 25.00 lacs on the capital side has been provided during the Annual plan 1992-93.

#### HMI 2.7 Estt. of Mobile Homoeopathic Units.

At present the State Government follows the policy of setting up of dispensaries in villages having population more than 5000. The population of some villages particularly in Gurdaspur

and Hoshiarpur Districts is very small. Where as in some other areas the distance between the villages is quite large (particularly i.e. Bhatinda and Faridkot Districts). Medical practitioners don't want to reside in rural areas in border district. It is proposed to set 20 Mobile Homoeopathic Units to provide Health facilities at the door steps of the people in such areas. It is proposed to provide two wheeler mobile (Motorcycle/Scooter) to Homoeopathic physicians who would give service in villages. Village panchayat will provide them suitable accommodation. Some medicines would be stored in these villages while some other shall be carried by the physician himself. In each village a local part time helper would be provided who will be given an honorarium of Rs. 100 PM. It has been proposed to launch this scheme firstly to the districts of Hoshiarpur, Gurdaspur, Amritsar, Ferozepur, Faridkot and Bhatinda.

An allocation of Rs. 9.00 lacs has been proposed for the Annual Plan 1992-93.

## ANNEXURE-(iii)

## MEDICAL AND PUBLIC HEALTH

Serial No.	Name of the Institution	No. of Institute upto 1984-85	No. of Medi. Institutions as on 1st April, 1990	Staff Norms	Approximate cost of construction (Rs. in lacs)
1	2	3	4	5	6
1	Sub-Centre	2,603	2,852	One Male Worker One Female Worker	1,000
2	Subsidy Health Centre	1,567	1,246	One Doctor, one Pharmacist, two class IV, one A.N.M.	Rs. 2.50 lakh for first phase and total building Rs. 6.00 Lakhs
3	Primary Health Centre	130	460 (330) New PHC (130) Old PHC	Doctor Pharmacist A.N.M. L.H.V. and allied for one P.H.C. for over 30,000	..2 ..2 ..2 Rs. 15.00 lakhs (old PHC) Rs. 8.00 to 10.00 lakh for new PHC to be upgraded from S.H.C.
4	25—30 bedded Hospital	111	124	M.O. Nursing Sister Incharge Pharmacist Staff Nurses Lab Tech. Radiographer other Staff	..2 ..1 ..3 ..4 ..1 ..1 ..15 Rs. 30.00 Lakh and Rs. 20.00 lakh excluding lost of existing SHC
5	Community Health Centre	10	70		

## NORMS FOR VARIOUS HEALTH INSTITUTIONS

Serial No.	Type of Institution	Land required demanded	Population to be covered approx.	Non-recurring			Recurring per annum (Rs.)		
				Building	ME	Medicines	Salaries	Misc.	Total recurring per annum
1	2	3	4	5	6	7	8	9	10
1	Health Guide	—	1000 app.	—	150	600.00	600.00 (Honarium)	—	1,200.00
2	Sub-Centre	2 Kanals	5000 app.	1 lac	3000	2,000.00	20,000.00	1,600.00	23,600.00
3	Subsidiary Health Centres	1 Acre	8000 app	8 lac	10,000	10,000.00	60,000.00	5,000.00	75,000.00
4	Primary Health Centres (Old)	2-3 Acre	Block	20 lac	1,20	12,000.00	1,60 lac	8,000.00	1,80 lac
5	Primary Health Centres (New)	1-2 Acre	30,000	131 lac	15,000.00	15,000.00	1 lac	10,000.00	1,25,000.00
	b. Border Areas (Mobile Team)		20,000						
6	25-Bedded Rural Hospitals	2-3 Acre		30 lac	4.00 lac	25,000.00	1.50 lac	25,000.00	30.0 lac
7	50-Bedded Hospitals	5-6 Acre	Sub-division	60 lac	6.00 lac	50,000.00	4 lac	50,000.00	5.00 lac
8	Community Health Centre		1,00,000	40 lac	5.00 lac	20,000.000	—	—	—

## ANNEXURE XIII

## PROVISION OF EMERGENCY SERVICES IN THE STATE

## PROVISION OF BUILDINGS

## Health Institutions Proposed to be covered in the IIIrd Phase

(Rs. in lacs)

Name of Institution	Requirement	Expenditure
1. Anandipur Sahib (Ropar)	.. No additional building required	—
2. Dera Baba Nanak (Gurdaspur)	.. Full building complex required	16.00
3. Nabha (Patiala)	.. Additional emergency ward required	10.00
4. Kharar (Ropar)	.. Additional emergency ward required	10.00
5. Khanna (Ludhiana)	.. Additional residential and hospital accommodation required	30.00
6. Rajpura (Patiala)	.. Additional hospital and residential accommodation required	30.00
7. Fatehgarh Sahib (Patiala)	.. No additional building required	—
8. Mukerian (Hoshiarpur)	.. Additional hospital building and residential accommodation required	30.00
9. Pathankot (Gurdaspur)	.. Additional hospital and residential accommodation required	30.00
10. Phillaur (Jalandhar)	.. Additional hospital and residential accommodation required	30.00
11. Nakodar (Jalandhar)	.. Additional residential accommodation required	20.00
12. Talwandi Sabo (Bathinda)	.. Additional hospital residential accommodation required	20.00
	<b>Total</b>	<b>256.00</b>



## ANNEXURE XIV

## REVAMPING OF ENGINEERING SERVICES IN THE STATE

Health institutions where provision for additional new ambulances is to be made for disaster Care :

- (1) Civil Hospital, Jalandhar
- (2) Civil Hospital, Ludhiana
- (3) Civil Hospital, Kapurthala
- (4) Civil Hospital, Ferozepur
- (5) Civil Hospital, Abohar
- (6) Civil Hospital, Bhatinda
- (7) Civil Hospital, Mansa
- (8) Civil Hospital, Moga
- (9) Civil Hospital, Nabha
- (10) Civil Hospital, Ropar
- (11) Civil Hospital, Sangrur
- (12) Civil Hospital, Barnala
- (13) Civil Hospital, Gurdaspur
- (14) Civil Hospital, Pathankot
- (15) Civil Hospital, Hoshiarpur
- (16) Civil Hospital, Jalalabad
- (17) Civil Hospital, Samana
- (18) Civil Hospital, Kharar
- (19) Civil Hospital, Majitha
- (20) Civil Hospital, Malaut
- (21) Civil Hospital, Phillaur
- (22) Civil Hospital, Andndpur Sahib
- (23) Civil Hospital, Dera Baba Nanak
- (24) Civil Hospital, Mukerian
- (25) Civil Hospital, Talwandi Sabo





## ANNEXURE XV

## REVAMPING OF EMERGENCY SERVICES IN THE STATE

**Institutions where Blood Bank facilities are proposed to be provided under revamping of Emergency Care Service :**

1. Tarn Taran (Amritsar)
2. Patti (Amritsar)
3. Ajnala (Amritsar)
4. Abohar (Ferozepur)
5. Zira (Ferozepur)
6. Mansa (Bhatinda)
7. Mukatsar (Faridkot)
8. Gobindgarh (Patiala)
9. Dasuya (Hoshiarpur)
10. Sultanpur Lohdi (Kapurthala)
11. Jagraon (Ludhiana)
12. Majitha (Amritsar)
13. Baba Bakala (Amritsar)
14. Fazilka (Ferozepur)
15. Jalalabad (Ferozepur)
16. Malout (Faridkot)
17. Malerkotla (Sangrur)
18. Sunam (Sangrur)
19. Samana (Patiala)
20. Garhshankar (Hoshiarpur)
21. Samrala (Ludhiana)
22. Anandpur Sahib (Ropar)
23. Dera Baba Nanak (Gurdaspur)
24. Kharar (Ropar)
25. Fatehgarh Sahib (Patiala)
26. Mukerian (Hoshiarpur)
27. Phillaur (Jullundur)
28. Nakodar (Jullundur)
29. Talwandi Sabo (Bhatinda)

**ANNEXURE XVI****REVAMPING OF EMERGENCY SERVICES IN THE STATE**

**Names of the hospitals, where Telephone facilities are to be provided.**

1. Civil Hospital, Baba Bakala, Distt. Amritsar.
2. Civil Hospital, Anandpur Sahib, Distt. Ropar.
3. Civil Hospital Gobindgarh, Distt Patiala.
4. Civil Hospital, Fatehgarh Sahib, Distt. Patiala.
5. Civil Hospital, Mukerian, Distt. Hoshiarpur.
6. Community Health Centre, Talwandi Sabo, Distt. Bhatinda.
7. Primary Health Centre, Majitha, Distt. Amritsar.

**ANNEXURE XVII**

**LIST OF HOSPITALS IN URBAN AREAS WHERE BUILDINGS ARE TO BE CONSTRUCTED  
(NOT COVERED UNDER REVAMPING OF EMERGENCY SERVICES)**

**List of District, Sub-District and other Hospitals to be Constructed**

1. 200 bedded Hospital, Hoshiarpur (Additional building).
2. 100 bedded Hospital, Kapurthala.
3. T.B Hospital, Hermitage Sangrur.
4. Children Hospital, Bathinda.
5. Mata Kaushalya Hospital Patiala, additional building, Water Supply & Sewerage disposal.
6. Civil Hospital Mohal (Ropar) Building of Indoor patient, Staff quarters.
7. Civil Hospital Mansa (Additional Building).
8. Civil Hospital, Qadian (Gurdaspur) New Building.
9. Civil Hospital, Bassi Pathana Patiala, New Building,
- 10 Civil Hospital Amloh Patiala Additional Building.
11. Civil Hospital, Balachaur (Hoshiarpur) —New Building.
12. Civil Hospital, Nurmahal (Jalandhar)—New Building.
13. Civil Hospital, Gidderbaha (Faridkot)—Indoor Staff Quarter.

## Requirement of funds for construction of Buildings in Rural Areas as on 1st April, 1990

Type of Institution	Total No. Institutions Estimated as on 1-4-90	No. of buildings constructed	No. of buildings under construction	No. of buildings Additional buildings yet to be constructed	Estimated cost of construction per unit in lacs	Total estimated funds required for construction of balance buildings in lacs
1	2	3	4	5	6	7
1. Primary Health Centres ..	460	114	—	16	20.00	320.00
	130 old 330 new	6	20	304	15.20	4560.00
2. Subsidiary Health Centres ..	1246	241	20	985	12.00	11820.00
3. Sub-Centres ..	2852	627	93	2132	2.00	4264.00
						<b>Grand Total</b> 23164.00
4. 25—50 bedded Rural Hospitals—						
25 bedded ..	52	61	—	6	35.00	210.00
30 bedded ..	57			26	20.00	520.00
				(Additional buildings to be constructed to make the institutions functional)		
				16	15.00	240.00
				for the completion of buildings and staff quarters, boundary wall, etc.		
6. C.H.C. ..	70	6	1	63	33	495.00
					8	160.00
					17	425.00
					5	150.00

**I. Punjab at a Glance :**

Area (Sq. Kms)	..	50,362
<b>Administrative Structure</b>		
Divisions	..	3
Districts	..	12
Sub-Divisions	..	46
Tahsils	..	46
Sub-Tahsils	..	48
Blocks	..	118
No. of inhabited villages	..	12,342
No. of Towns	..	134
Parliamentary Constituencies	..	13
Vidhan Sabha Constituencies	..	117

**II Census Population (1981)**

		Rural	Urban	Total
(i) Population (in lacs)	..	121.41	46.48	167.89
(A) Males	..	64.44	24.93	89.37
(B) Females	..	56.97	12.55	78.52
(ii) Density per Sq. Km.	..	247	3,877	333
(iii) Decennial Growth Rate (1971-81)	..	+17.48	+44.51	+23.89
(iv) Expectation of Life at Birth (1981-91)	..			
(A) Males	..			65.61
(B) Females	..			65.30

**III. Vital Rates for the Year (Prov.)**

	Year	Rural	Urban	Total
(i) Birth Rate	1988	28.9	27.5	28.5
	1989	28.5	27.4	28.2
(ii) Death Rate	1988	8.8	7.2	8.4
	1989	8.8	6.7	8.2
(iii) Infant Mortality	1988	63	59	62
Rate (IMR)	1989	67	44	61

**V. Number of Medical Institutions (Allopathic) as on 1st April, 1990**

Category of Institution	Rural	Urban	Total
(i) Hospitals	88	131	219
(ii) Hospitals/Community Health Centres	2	9	11
(iii) Community Health Centres	26	15	41
(iv) Community Health Centres/Primary Health Centres	15	3	18
(v) Primary Health Centres	419	23	442
(vi) Subsidiary Health Centres/Dispensaries/Clinics/Centres	1,249	224	1,473
<b>Total</b>	<b>1,799</b>	<b>405</b>	<b>2,204</b>

## VI (A) No. of Beds in Medical Institutions (Allopathic) as on 1st April, 1990

	Rural	Urban	Total
Beds	10,702	13,477	24,179

## IV. (B) Population Served Per

(i) Medical Institution	7,938	16,349	9,484
(ii) Bed	1,334	491	864

## V. No. of Medical Institutions (I. S. M.) as on 1st April, 1990

Category of Institution	Rural	Urban	Total
(i) Ayurvedic Hospitals	2	2	4
(ii) Ayurvedic Dispensaries	425	64	489
(iii) Unani Dispensaries	33	2	35
(iv) Homoeopathic Hospitals	—	1	1
(v) Homoeopathic Dispensaries	42	43	85

## VI. Registered Personnel and Population Served as on 1st April, 1990

Category of Personnel	No.	Population Served per
(i) Doctors	12,754	1,582
(ii) Pharmacists	9,089	2,219
(iii) Nurse	7,274	2,773
(iv) L.H.Vs.	1,365	14,778
(v) A.N.Ms.	11,400	1,769
(vi) Dais	33,450	603

## VII. Hospitals Indices (1989)

(i) Bed-Occupancy Ratio	..	55.0
(ii) Average Duration of Stay	..	6.1
(iii) Survival Rate Amongst in Patients	..	97.1
(iv) Average New out-Patient Attendance per Patient	..	2.1

## VIII. Patient Treated in Medical Institutions During 1989

## Patients

(i) Out-door Patients	..	1,13,07,431
(ii) In-door Patients	..	4,11,544
(iii) Deaths	..	14,125

## IX. National Leprosy Eradication Programme 1989-90 (Prov.)

(i) No. of Leper Colonies	..	29
(ii) No. of Leprosy Patients as on 31st March, 1989	..	3,196
(iii) New Cases Detected and brought under Treatment	..	671



(iv) Old Cases Registered for Treatment	..	33
(v) Cases Discharged/Cured/Died/Disease arrested	..	390
(vi) No. of Patient as on 31st March, 1990.	..	3,510

#### X. National Malaria Eradication Programme (1989)

(i) No. of Malaria Clinics	..	252
(ii) Blood Slides Collected	..	24,43,050
(iii) Malaria Cases Detected	..	32,146
(iv) Cases given Radical Treatment	..	31,577

#### XI. National Blindness Control Programme (1989-90)

(i) No. of Eye Operations performed	..	92,229
(ii) No. of Cataract operations performed	..	62,204
(iii) Target	..	39,000
(iv) Achievement	..	159.5%
(v) No. of Eye Camps held	..	367

#### XII. National TB Control Programme (1989-90)

(i) New Sputum Tests done	..	1,01,868
(ii) Achievement	..	119.8%
(iii) T. B. Cases detected	..	47,870
(iv) Achievement	..	99.7%

#### XIII. School Health Services Programme (1989)

(i) No. of Schools visited	..	12,026
(ii) No. of Students examined	..	24,82,178
(iii) No. Found defective	..	5,59,782

#### XIV. Blood Bank Activities in Panjab (1989)

(i) No. of Blood Banks	..	26
(ii) No. of Blood Donors	..	38,733
(iii) Total Blood Units Collected	..	38,125
(iv) Total Blood Units Transfused	..	35,195.5

#### XV. Family Welfare Programme (1989-90)

Method	Annual Target	Performance	%age Performance
(i) Sterilization	1,20,000	1,38,962	115.8
(A) Tubectomy	—	1,24,024	—
(B) Vasectomy	—	14,938	—
(ii) I.U.D. Insertion	2,75,000	3,56,729	129.7
(iii) C. C. Users	4,29,000	5,83,239	136.0
(iv) M. T. Ps.	—	18,173	—
(v) No. of Births Averted	—	38,85,662	—
(vi) No. of O. P. Users	50,000	61,523	123.0

**XVI Dais Training Programme (1989-90)**

(i) Targets	..	100
(ii) Dais Trained	..	—
(iii) Dais Trained since inception	..	18.879

**XVII Sanctioned Posts of Medical and Para-Medical Staff as on 1st April,1990****Category of Staff****Doctors**

(A) P.C.M.S.-(Senior)	..	340
(B) P.C.M.S.-(Junior)	..	3.405
(C) Dental Officer	..	198
(ii) Pharmacist	..	2,650
(iii) Nursing Staff	..	3,343
(iv) Lady Health Visitors	..	773
(v) A.N.Ms	..	3,682
(vi) Radiographers	..	230

**XVIII Budget and Expenditure (1990-91)**

	(Rs. in Thousands)	
(i) Annual Budget of State	..	5,46,19,101
(ii) Annual Budget of Health Department	..	19,68,453
(iii) Percentage of Health Department Budget to State Budget	..	2.77%
(iv) Total Budget for Medicines (Allopathy) DHS/DRME/ESI	..	1,25,836
(v) Per capita expenditure on medicines (Allopathy)	..	6.02

**XIX Plan Budget (8th Five Year Plan)**

	(Rs in lacs)	
(i) Total State Plan Outlay (1990-91)	..	90,500
(ii) Plan outlay of Health Department (1990-95)	..	—
(iii) Approved for (1990-91) for DHS; ESI only	..	1375
(iv) Total Plan outlay of Health Department (1990-91)	..	1981
(v) Percentage of Plan outlay of Health Department to State outlay (1990-91)	..	2.19%

**XX. Target of Health for all by 2000 A.D.**

Index	Position as on .. 1989 (Prov)	Targets	
		1990	2000 A.D.
(i) Crude Birth Rate	.. 29.2	27.0	21.0
(ii) Crude Death Rate	.. 8.2	10.4	9.0
(iii) Infant Mortality Rate	.. 64.0	87	Below 60
(iv) Percentage of Eligible Couples Effectively Protected upto 31-3-1990	.. 59.6	42.0	60.00

**XXI. Punjab Relative to India 1981 Census)**

Item	Punjab	India
1. Area (Sq. Kms.)	.. 50,362	32,87,363
2. Population—		
(A) Males	.. 89,37,210	35,43,97,884
(B) Females	.. 78,51,705	33,07,86,808
(C) Rural	.. 1,21,41,158	52,54,57,335
(D) Urban	.. 46,47,757	15,97,27,357
<b>Total</b>	.. <b>1,67,88,915</b>	<b>68,51,84,692</b>

3. Decennial Growth rate (1971—81)	..	+23.89	+25.00
4. Density of Population (Sq. Km.)	..	333	216
5. Percentage of Scheduled Caste Scheduled Tribe Population—			
(A) Scheduled Caste	..	26.87	15.75
(B) Scheduled Tribe	..	Nil	7.06
<b>Total</b>	..	<b>26.87</b>	<b>23.51</b>
6. Per Capita Income (1986-87)	..	4,954	2,974
7. Literacy Rate	..	40.86	36.33
8. Sex Ratio	..		
(i) Rural	..	884	951
(ii) Urban	..	865	878
<b>Total</b>	..	<b>879</b>	<b>933</b>
9. Vital Rates 1988 (Prov.)			
(A) Birth Rate			
Rural	..	28.9	32.8
Urban	..	27.5	26.0
<b>Total</b>	..	<b>28.5</b>	<b>31.3</b>
(B) Death Rate			
Rural	..	8.8	11.8
Urban	..	7.2	7.5
<b>Total</b>	..	<b>8.4</b>	<b>10.9</b>
(C) Expectation of Life at Birth (1986—91)			
Males	..	65.6	58.1
Females	..	65.3	59.1

## XXII. Family Welfare Programme

*Percentage of eligible couples effectively protected upto 31-3-1990*

Sterilization	..	38.0	29.8
I.U.D.	..	15.6	5.9
Other Methods	..	6.0	6.2
<b>All Methods State Parametres</b>	..	<b>59.6</b>	<b>41.9</b>

## ANNEXURE-X

## Medical Institutions functioning as on 1-4-1990

Serial No.	Category of Institution	No. existing as on 31-3-85	7th Plan (85-90) Target	Achievement 1985-88	Achievement 1988-89	Anticipated achievement 1989-90	Likely No. on 1-4-90	Target		
								1990-91	1991-92	1990-95
1	2	3	4	5	6	7	8	9	10	11
1	Sub-Centre at 5000 Population level	2602	250	150	50	50	2852	112	112	560
2	Subsidiary Health Centres (Dispensaries)	1576	—	—	—	—	1246	—	—	—
3	(A) Primary Health Centres (Old) at Block level	130	—	—	—	—	130	—	—	—
	(B) Primary Health Centres (New) at 30,000 pop. level	Nil	330	150	85	95	330	12*40 Mobile Teams for border area pop.)	12	56
4	Rural Hospitals	54	—	—	—	—	—	—	—	—
5	Community Health Centres	10	60 (State Govt.) 56 (GOI)	36	12	12	70	16	16	86
6	Urban Slum Area/Urban Dispensaries	221	25	15	—	10	246	5	5	25
7	(a) Urban Hospitals 25 bedded	11	—	—	—	—	8*	—	—	—
	(b) Urban Hospitals 50 bedded	25	3	4 (3 Upgraded from 50 to 100 bedded)	—	—	29	—	—	—
	(c) Urban Hospitals 100 bedded	11	1	3 (Upgraded from 50 to 100 bedded)	—	—	—	14	—	—
	(d) Urban Hospitals 200 bedded	1	1	1 (Upgraded from 100 to 200 bedded)	—	—	—	2	—	—
	(e) Urban Hospitals 400 bedded	2	—	—	—	—	—	2	—	—

70 CHCs sanctioned so far are located as under:

SHC/Civil Dispensaries—5, 8 bedded PHCs—17, 30 bedded PHCs—29, 25 bedded Rural Hospital—4, Town/Sub-Hosp—15.

\*\*Three 25 bedded Hospitals upgraded to 50 bedded during 7th Plan.

## ANNEXURE—V

## LIST OF MEDIUM/SMALL TOWNS

1. Jaito Mandi	..	(Faridkot)
2. Phul	..	(Bathinda)
3. Maur Mandi	..	(Bathinda)
4. Sujjan Pur	..	(Gurdaspur)
5. Ahmedgarh	..	(Sangrur)
6. Raikot	..	(Ludhiana)
7. Raman Mandi	..	(Bathinda)
8. Sangrur	..	(Patiala)
9. Dina Nagar	..	(Gurdaspur)
10. Dhariwal	..	(Gurdaspur)
11. Sirhind	..	(Patiala)
12. Dharamkot	..	(Ferozepur)
13. Khem Karan	..	(Amritsar)
14. Rahon	..	((Jalandhar)
15. Goraya	..	(Jalandhar)
16. Doraha	..	(Ludhiana)
17. Banur	..	(Patiala)
18. Bhucho Mandi	..	(Bathinda)
19. Allwalpur	..	(Jalandhar)
20. Haryana	..	(Hoshiarpur)
21. Patran	..	(Patiala)
22. Rayya	..	(Amritsar)
23. Chola Sahib	..	(Amritsar)
24. Malsian	..	(Jalandhar)
25. Khanauri Kalan	..	(Sangrur)
26. Ghagga	..	(Patiala)
27. Garhdiwala	..	(Hoshiarpur)
28. Sham Chaurasi	..	(Hoshiarpur)

## ANNEXURE XI

## PROVISION OF EMERGENCY MEDICAL SERVICES IN THE STATE

## Institutions to be covered under First Phase

(Rs. in lacs)

Name of Institution	Requirement	Expenditure
1. Taran Tarn (Amritsar)	.. Additional Ward and residential accommodation required	30.00
2. Patti (Amritsar)	.. Additional residential accommodation required	20.00
3. Ajnala (Amritsar)	.. Full building complex required	46.00
4. Batala (Gurdaspur)	.. Full building complex required	46.00
5. Gurdaspur	.. Ward and residential accommodation required	75.00
6. Abohar (Ferozpur)	.. Additional residential accommodation required	20.00
7. Ferozpur	.. Additional Hospital and residential accommodation required	75.00
8. Zira (Ferozpur)	.. Full emergency building complex required	46.00
9. Mansa (Bathinda)	.. Additional Hospital residential accommodation required	15.00
10. Bathinda	.. Additional emergency and residential accommodation required	40.00
11. Moga (Faridkot)	.. Additional residential accommodation required	20.00
12. Muktsar (Faridkot)	.. Additional residential and emergency required	20.00
13. Gobindgarh (Patiala)	.. Additional residential and emergency (Patiala) accommodation required	30.00
14. Dasuya (Hoshiarpur)	.. No additional building required	—
15. Sultanpur Lodhi (Kapurthala)	Additional emergency building required	46.00
16. Phagwara (Kapurthala)	.. Additional full emergency building complex required	36.00
17. Jalandhar	.. Residential building complex required	55.00
18. Nawanshahar (Jalandhar)	.. Additional residential accommodation required	20.00
19. Jagraon (Ludhiana)	.. Full emergency building complex required	46.00
	<b>Total</b>	<b>696.00</b>

## ANNEXURE-XII

## PROVISION OF EMERGENCY SERVICES IN THE STATE

## PROVISION OF BUILDINGS

Health Institutions Proposed to be covered in the II<sup>nd</sup> Phase

Name of Institution	Requirement	Expenditure (Rs. in lacs)
1. Majitha (Amritsar)	.. Full emergency building-complex required	46.00
2. Baba Bakala (Amritsar)	.. Full emergency building complex required	46.00
3. Fazilka (Ferozepur)	.. Additional building required both for residential and Hospital	30.00
4. Jalalabad	.. Additional buildings required both for residential and Hospital	30.00
5. Rampura Phul (Bathinda)	.. Addition to residential accommodation	10.00
6. Malout (Faridkot)	.. Additions to residential and Hospital accommodation	20.00
7. Malerkotla (Sangrur)	.. Addition to residential accommodation	10.00
8. Sunam (Sangrur)	.. Full emergency building complex required	46.00
9. Sangrur	.. Additional ward for 25 beds required	25.00
10. Barnala (Sangrur)	.. Additional ward and residential accommodation required	30.00
11. Samana (Patiala)	.. Additional residential and hospital building required	25.00
12. Hoshiarpur	.. No additional building required	—
13. Garhshankar (Hoshiarpur)	.. Additional residential accommodation required	10.00
14. Kapurthala	.. Additional residential accommodation required	20.00
15. Ludhiana	.. Additional full emergency building complex required	80.00
16. Samrala (Ludhiana)	.. Additional residential accommodation required	10.00
17. Ropar	.. No additional building required	—
	<b>Total</b>	<b>438.00</b>

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**  
**MEDICAL AND PUBLIC HEALTH**

(Rs. in lakhs)

Sr. No.	Name of the scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved outlay	Actual Expenditure	Approved outlay	Of which Capital Content	
1	2	3	4	5	6	7	
<b>State Plan Schemes</b>							
<b>D.R.M.E. Punjab</b>							
1	M.D. 5.1	Strengthening of O/o D.R.M.E. Pb.	0.68	3.00	1.90	3.50	—
2	M.D. 5.2	Expansion and Improvement of Medical College, Amritsar	1.86	30.00	29.80	100.00	50.00
3	M.D. 5.3	Expansion and Improvement of Medical College, Patiala	21.95	65.00	68.55	150.00	50.00
4	M.D. 5.4	Expansion and Improvement of G.G.S. Med. College, Faridkot including opening of Pharmacist and Lab. Technician Course	97.33	190.00	151.00	200.00	125.00
5	M.D. 5.5	Expansion and Improvement of Dental College and Hospital, Amritsar	8.65	12.00	10.25	17.00	2.00
6	M.D. 5.6	Expansion and Improvement of Dental College and Hospital, Patiala	41.47	90.00	106.15	90.00	60.00
7	M.D. 5.7	Expansion and Improvement of Library in Medical/Dental Colleges	19.42	20.00	40.00	40.00	—
8	M.D. 5.8	Grant for applied Research	2.00	2.00	2.00	2.00	—
9	M.D. 5.9	Re-orientation of Medical Education	6.70	5.00	5.00	5.00	5.00
10	M.D. 5.10	Expansion and Improvement of S.G.T.B. Hospital, Amritsar, Including Cat Scanning machine	197.47	110.00	140.00	200.00	125.00
11	M.D. 5.11	Expansion and Improvement of Rajindra Hospital, Patiala including installation of Cat Scanning machine	9.99	128.00	196.85	185.00	100.00
12	M.D. 5.12	Expansion and Improvement of G.G.S. Hospital, Faridkot including installation of CAT Scanning machine	32.00	180.00	180.00	80.00	—
13	M.D. 5.13	Expansion and improvement of T.B. Sanatorium, Amritsar	4.11	5.00	3.90	10.00	—
14	M.D. 5.14	Expansion and Improvement of T.B. Center, Patiala	12.23	10.00	8.95	20.00	100.00
15	M.D. 5.15	Setting up of School of Nursing College at G.G.S. Med. College, Faridkot	4.16	20.00	23.00	60.00	30.00
16	M.D. 5.16	Setting up of B.Sc. Nursing College at Amritsar and Patiala	2.00	20.00	14.60	70.00	30.00
17	M.D. 5.17	Training of Staff for Medical College and Hospital attached for maintenance of equipment	—	10.00	5.00	17.50	—
		<b>Total—A</b>	<b>462.02</b>	<b>900.00</b>	<b>986.95</b>	<b>1250.00</b>	<b>587.00</b>
<b>D.H.S.</b>							
1	PH 1.1	Employees State Insurance Scheme	—	15.00	—	5.00	—
2	PH 1.2	Strengthening of School Health Clinics, amongst School children	0.06	10.00	10.00	10.00	—
3	PH 1.2 (a)	Intensive Dental Health Care Programme, for School Children, Teachers and the public	—	—	—	25.00	—
4	PH 1.18	Improvement of Punjab Mental, Hosp. Amritsar	—	35.00	35.00	35.00	30.00
5	PH 3.6	Continuing Education of PHCs/RHS (50 : 50 Sharing basis)	0.14	6.00	1.15	7.50	—



ANNEXURE II  
ANNUAL PLAN 1992-93

HEALTH MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Sr. No.	Name of the Scheme	Annual Plan 1290-91	Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved outlay	Actual Expenditure	Proposed outlay	Of which Capital Content
1	2		3	4	5	6
6	PH 6.1 (a) Tr. of Doctors in Hospital Management and Administration in pre-service/in service Trg. Course ..	—	7.00	0.50	10.00	—
7	PH 6.1 (c) Trg. of Dental Officers at Advanced Trg. Centre, Mohali ..	—	3.00	5.00	6.00	—
8	PH 6.2 National Malaria Eradication Programme (Rural) (50 : 50 Sharing basis ..	236.45	149.75	195.75	170.00	—
9	PH 6.2 (b) Provision of Additional Lab. Technician at each PHC (50 : 50 Sharing basis) ..	—	20.00	18.40	26.00	—
10	PH 6.3 National Malaria Eradication Programme (Urban) (Anti Larval) ( 50 : 50 Sharing basis) ..	56.83	50.00	75.00	50.00	—
11	PH 6.4 National TB Control Prog. (50 : 50 Sharing basis) ..	0.28	42.00	48.00	54.00	12.00
12	PH 6.5 National Programme for the Control of Blindness/Opening of Dist. Eye Mobile Dispensaries ..	10.80	10.00	7.80	13.00	—
13	PH* 6.6 Expansion of Immunisation Programme ..	—	10.00	10.00	13.00	—
14	PH 6.7 Hospitals Treatment of Diarrhoeal Diseases by Oral Rehydration therapy ..	0.97	3.00	3.00	4.00	—
15	PH 6.8 (a) Creation of Food Cell in the Directorate ..	—	—	—	3.50	—
16	PH 6.9 Strengthening of Drug Control/Standard Org./Strengthening of Drug Testing Labs. ..	—	10.00	2.00	13.00	—
17	PH 6.11 (a) Revamping of Emergency Services in the State ..	187.28	776.00	1276.00	900.00	580.00
18	PH 6.12 Strengthening of State Health & Distt. Labs. ..	—	—	—	5.00	—
19	PH 6.13 (a) Strengthening of State Health and Excise Labs. ..	3.92	—	—	5.00	—
20	PH 6.13 (b) Strengthening of Chemical Examiner Lab. ..	—	—	—	13.00	13.00
21	PH 6.14 Creation of Goitre Control in the Directorate of Health for the control of Goitre Programme ..	—	—	—	7.00	—
22	PH 6.17 (a) World Bank Assistance Programme Training and Man Power Development ..	16.36	120.00	120.00	140.00	67.00
	PH 6.19 (a) Establishment of cell for Monitoring and Coordination of plan and non-plan Prog. being implemented by D.H.S. ..	—	5.00	—	—	—
23	PH 6.19 (b) Setting up of Legal Cell in the Directorate of Health & Family Welfare and its field offices ..	—	—	—	9.50	—
24	PH 7.3 (a) Management information system ..	—	5.00	5.00	6.50	—
25	PH 7.3 (b) Medical Record Unit ..	—	5.00	2.00	6.50	—
26	PH 7.3 (c) Establishments/strengthening of Civil Registration Units in Municipal Committees/Municipal Corporations as per 1991 Census ..	—	—	—	3.50	—
27	PH 7.4 Creation of Trg. Leave Reserve Posts of Doctors ..	—	9.00	—	—	—
28	PH 7.11 Special Economic Packages Human Resources Development in three Border distt. of State, for the delivery of Health Care facilities ..	—	1.00	—	1.00	—
29	PH 7.12 Improvement/Strengthening of Office of Directorate, Health Services ..	—	—	—	5.00	—
30	PH 7.13 Setting up of Burn Units at Distt. Level Hospitals ..	—	—	—	5.00	—
31	PH 7.14 Setting up of Planning Cell in Directorate of Health Services ..	—	—	—	1.00	—
32	PH 7.15 Staff Component of Distt. Plan Schemes ..	—	214.00	186.50	237.00	—
<b>Total B</b>		<b>513.09</b>	<b>1505.75</b>	<b>2001.10</b>	<b>1790.00</b>	<b>702.00</b>

## ANNUAL PLAN 1992-93

(Rs in lacs)

Sr. No.	Name of the Scheme	Annual plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	Approved outlay	Actual Expenditure	Approved outlay	Of which Capital Component	
1	2	3	4	5	6	7	
<b>Ayurvedic Department :</b>							
1	AY 2.1	Strengthening of Head Quarter Staff	.. —	1.50	0.30	5.00	—
2	AY 2.2	Strengthening of Distt. HQ Staff	.. —	1.00	0.50	5.00	—
3	AY 2.2(a)	Creation of Posts of Vaidis in the Border Distt.	.. —	—	—	3.00	—
4	AY 2.4	Establishment of 10 bedded Ayurvedic Hospitals	.. —	4.50	1.50	—	—
5	AY 2.6	Upgradation of Govt. Ayurvedic Hospitals Patiala	.. —	1.00	0.50	2.00	—
6	AY 4.3	Upgradation of Govt. Ayurvedic College, into Institution of Higher Studies/Estt. of 12 Independent dep'tts under the promotion of Under Graduates Education	.. —	1.50	0.50	5.00	—
7	AY 4.5	Expansion and Augmentation of Ayurvedic Medicines in the Govt. Central Pharmacy Stores, Patiala	.. —	3.00	3.00	35.00	4.00
	Total C		.. —	12.50	6.30	55.00	4.00
<b>Homeopathy Department :</b>							
1	HM 2.1	Strengthening of Headquarter Staff	.. —	3.00	1.50	2.00	—
2	HM 2.2	Provision of Staff at Distt. Level Dispensaries	.. —	5.00	2.00	10.00	—
3	HM 2.3	Opening of Homoeopathic Dispensaries in the State	.. —	16.00	16.00	52.00	—
4	HM 2.4	Strengthening of existing Dispensaries	.. —	10.00	10.00	5.00	—
5	HM 2.5	Publication of Homoeopathy Literature in Regional Languages	.. 1.00	3.00	3.00	2.00	—
6	HM 2.6	State Institute of Homoeopathy Education and Research	.. —	15.00	1.00	25.00	25.00
7	HM 2.7	Establishment of Mobile Homoeopathic Units	.. —	5.00	4.00	9.00	—
	Total D		.. —	57.00	37.50	105.00	25.00
	Total (A+B+C+D) State level		.. 976.11	2475.25	3031.85	3200.00	1318.00

## ANNUAL PLAN 1992-93

## STATEMENT -III

## OUTLAY AND EXPENDITURE

## DISTRICT LEVEL SCHEMES

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan, 1990-91	Annual Plan, 1991-92		Annual Plan, 1992-93		
	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>MEDICAL AND PUBLIC HEALTH :</b>						
<b>Beneficiary-oriented Schemes :</b>						
1. PH 6.16	Grant of Additional Incentives/Compensation out of the state funds to the acceptors of sterilisations ..	41.85	70.00	70.00	70.00	—
2. PH 7.9	Self-employment of Doctors/Para Medical Staff ..	100.00	100.00	75.00	100.00	—
	<b>Total</b> ..	<b>141.85</b>	<b>170.00</b>	<b>145.00</b>	<b>170.00</b>	<b>—</b>
<b>Infrastructure:</b>						
3. PH 1.3	(a) Opening of new dispensaries in Urban Slum Areas ..	9.00	19.00	19.00	20.00	—
4. PH 1.3	(b) Strengthening of existing dispensaries/Institutions in Medium Towns ..	—	18.00	18.00	30.00	—
5. PH 1.5	Upgradation of Existing Hospitals ..	68.00	—	—	5.00	5.00
6. PH 1.8	Opening of Psychiatric Clinics at District Level Hospitals ..	—	6.50	6.50	10.00	—
7. PH 1.9	Establishment of Psychotherapy Units at Distt. level Hospitals ..	7.50	8.50	8.50	13.00	—
8. PH 1.10	Blood Transfusion services in the State/Sub-Divisional Hospitals ..	9.00	—	—	10.00	—
9. PH 1.11	Providing Independent Feeders to provide continued slides in Hospitals ..	10.00	10.00	10.00	13.00	—
10. PH 1.12	Providing Generator Sets at D. S. H. at Other Important Hospitals ..	10.00	10.00	10.00	13.00	—
11. PH 1.13	(a) Providing of Solar Water Heating Panels in Hospitals ..	5.00	5.00	5.00	7.00	—
12. PH 1.19	Providing of Mortuary Vans at district Head-quarter Hospitals ..	—	5.75	5.75	9.50	—
13. PH 1.20	Improvement of Distt. Offices by additional space for offices/renovation and Stores facilities ..	—	—	—	18.00	12.00
14. PH 1.21	Removal of Shortcomings in the existings Distt. Sub-Divisional & other Hospitals ..	147.25	—	15.00	5.00	—
15. PH 3.1	(a) Opening of new sub-centres-MPW Schemes ..	116.50	78.00	78.00	190.00	150.00
16. PH. 3.2	(a) Construction of Housing Colony in selected Blocks of the state for Doctors and para medical staff ..	—	50.00	50.00	145.00	145.00
17. PH 3.2	(b) Grant-in-aid for construction of Sub-centres PHCs/CHCs Buildings ..	—	50.00	52.37	50.00	50.00
18. PH 3.5	Est. of new PHCs/Upgradation of existing SHCs to PHCs. ..	280.00	200.00	200.00	225.00	165.00

**ANNUAL PLAN 1992-93**  
**STATEMENT -III**  
**OUTLAY AND EXPENDITURE**  
**DISTRICT LEVEL SCHEMES**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan, 1990-91	Annual Plan, 1991-92	1991-92	Annual Plan, 1992-93	1992-93
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>MEDICAL AND PUBLIC HEALTH :</b>					
<b>Beneficiary-oriented Schemes :</b>					
19. PH 3.5 (iii) Providing of Telephone facilities at 460 PHCs.	—	13.00	13.00	17.00	—
20. PH 3.5 (iv) Estt. of Mobile Medical Teams in Border areas (40 teams)	125.00	93.00	93.00	5.00	—
21. PH 3.5 Establishment of one Model PHC in one Block in each District	15.00	10.00	10.00	—	—
22. PH 3.7 Establishment of CHCs.	135.00	100.00	100.00	165.50	72.00
23. PH 3.9 (a) Estt. of Dental Clinics/Strengthening/Removing of shortcomings in existing dental Clinics	12.00	12.00	12.00	15.00	—
24. PH 3.9 (b) (i) Strengthening of Dental Clinics in 100 and above bedded Hospitals	—	—	—	15.00	—
25. PH 3.9 (b) (iii) Opening of New Dental Clinics at CHCs and other suitable places	—	—	—	13.00	—
26. PH 6.11 Strengthening of Food Labs.	3.20	3.50	3.50	4.00	1.50
27. PH 6.11 (c) Estt. of Intensive Care Units in Districts	18.00	—	—	18.00	—
28. PH 6.18 Estt. of Health equipment and Maintenance Repair Units	—	3.00	3.00	4.00	—
29. PH 7.5 Completion and Improvement in Buildings of the Departments not owned by PWD	100.00	100.00	100.00	100.00	100.00
30. PH 7.2 Prophylaxis against Nutritional Anaemia	4.45	5.00	5.00	7.00	—
31. PH 7.10 Mobile Teams for Disaster Management (one in each District)	—	45.00	45.00	50.00	—
32. PH 6.11 (b) Providing of better Modern Equipment for Major Hospitals	—	400.00	400.00	—	—
33. AY 2.3 Upgradation of Govt. Ayurvedic Dispensaries into Swasthya Kendras	9.00	9.50	9.50	18.00	—
34. AY 2.4 Estt. of 10 bedded Ayurvedic Hospitals at district level	4.50	—	—	13.00	—
35. AY 2.5 National Health Programme Implementation through Ayurveda	2.00	—	—	10.00	—
36. AY 2.7 Providing of Essential Furniture equipment in the existing ISM Dispensaries	—	—	—	12.00	—
Total	1090.40	1254.75	1272.12	1230.00	700.50
Total District Level	1232.25	1424.75	1417.12	1400.00	700.50
Grand Total	2208.36	3900.00	4448.97	4600.00	2018.50



## CHAPTER XIII

### WATER SUPPLY AND SEWERAGE

#### Rural Water Supply :

Providing safe potable drinking water supply in villages has been adopted by Government of India as a National Programme. In the United Nations Water Conference held at Nardel Argentina in March, 1977, the ten year period 1981-91 was designated as the 'International Drinking Water Supply & Sanitation Decade' and it was decided to achieve the goal of safe water supply and adequate sanitation by the year 1990.

The following criteria has been laid by the Government of India for identifying problem villages.

- (i) Those not having an assured source of drinking water within reasonable distance (0.5 K.M.) or within a depth of 15 meters.
- (ii) Those which suffer excess of salinity iron, flouride or other toxic elements hazardous to health.
- (iii) Those where sources of water are liable to risk of cholera or guinea worm infestation.

#### 13.2 Problem villages having scarcity condi-

tions of water have been identified in the State in 1980 (3712) & 1985 (2575), as per above norms and criteria laid by the Government of India.

13.3 Broadly speaking, the State of Punjab has two types of scarcity. Firstly where the existing drinking water sources in the villages are health hazard i.e. where the water contains flourides, total solids, hardness in excess of the permissible limits prescribed by Government of India. Most of such villages are located in the districts of Patiala, Sangrur, Bhatinda, Faridkot, Ferozepur and a part of Amritsar District. In the second category the existing drinking water sources are either deeper than 16 metres (50 ft.) or are situated beyond a distance of 0.5 km. from the population. Such problem villages are mostly located in the submontaneous areas in the districts of Ropar, Hoshiarpur and Gurdaspur. In the case of first category the water which is provided after treatment through slow sand filters or by installing deep tubewells where the under ground deeper strata yields potable water. In the second category i.e. where the existing source is deep or at a distance, the schemes are based either on tubewells or percolation wells.

13.4 The details of Rural Water Supply Schemes are as under :—

	No. of villages	Population (lacs)	Expenditure incurred (Rs. in crores)
1. Total No. of villages in Punjab State	12342	121.41	—
2. Problem villages identified as per 1980 list	3712	48.99	—
3. Problem villages identified as per 1985 list	2575	25.04	—
4. Total Problem villages in the State	6287	74.03	—
5. Villages provided potable water upto end of VI Plan	2482	33.15	80.39
6. Villages provided potable water during VII Plan	1416	18.03	97.60
7. Villages provided potable water upto 31st March, 1991	4270	55.60	197.70
Villages remaining to be covered as on 1st April, 1991	1606	14.32	—

The performance during the 7th plan and 1990-91/1991-92 is given as under :—

Period	M.N.P.			A.R.P.			Total		
	Expenditure (Rs. crores)	villages covered (No.)	Population covered (lakhs)	Exp. (Rs. crores)	Villages covered (No.)	Population covered (lakhs)	Exp. (Rs. crore)	Villages covered (No.)	Population covered (lakh)
1	2	3	4	5	6	7	8	9	10
1985-90	58.34	824	10.25	39.26	592	7.58	97.60	1416	18.03
1989-90	13.06	222	2.42	10.40	179	2.06	23.46	401	4.48
1990-91	12.00	205	2.26	6.67	167	2.16	18.67	772	4.42
1991-92	22.00	325	3.21	5.78	86	0.86	27.78	411	4.11

**Annual Plan 1992-93 :**

13.5 An outlay of Rs. 58.00 crores is provided for Rural Water Supply Scheme in the Annual Plan 1992-93 (Rs. 24.50 crores under Minimum Needs

Programme, Rs. 30.00 crores under Centrally Sponsored Accelerated Rural Water Supply Programme and Rs. 3.50 crores for 12 villages having population more than 5000). Detail is given as under:—

Period	M.N.P.			A.R.P.			Total	
	Outlay (Rs. in crores)	Proposed coverage of villages (No.)	Population coverage (lakhs)	Outlay (Rs. in crores)	Proposed coverage of village (No.)	Population coverage (lacs)	Proposed coverage of village (No.)	Population coverage (lacs)
1992-93	24.50	260	N.A.	30.00	320	N.A.	580	N.A.

**Rural Sanitation Programme**

13.6 The indiscriminate defecation in the open field is the major cause of morbidity in the rural community as the farmers often work in the field barefooted and from the polluted soil are exposed to the risk of intestinal diseases. The incidence of communicable diseases in the community comes down with the provision of sanitary latrines as this facility breaks the chain of transmission. Since assistance under UNICEF was not available during 1986-87. The programme in the State was implemented with state efforts only. The state shared the expenditure with beneficiaries on the following funding pattern which is given below :—

Sr. No.	Category	Contribution	
		State	Bens.
1.	General	50%	50%
2.	S.C.,s.	75%	25%

1.	General	..	50%	50%
2.	S.C.,s.	..	75%	25%

13.7 Since the introduction of programme of construction of sanitary latrine in the villages, the department has been constructing more units year after year. Upto March, 1990, 30158 units have been constructed in the various villages. Assuming users per seat with the provision of 30158 sanitary latrines about 181000 rural population has been covered with this facility. The total rural population of 12 districts of the State is about 121 lakhs as per 1981 census and the coverage upto 31st March, 1990 is only 1.50 against the aimed coverage of 25% in the International Water Supply and Sanitation Decade (1981-90). During 1992-93, an outlay of Rs. 175.00 lakhs has been provided under this scheme to Construct of 7700 units in the rural areas at cost of Rs. 3500 per units.

13.8 The year-wise achievement made in the field of low Cost Sanitation is given as under :—

Year	Allocation of Funds (Rs. in lakhs)	Expenditure incurred (Rs. in lakhs)	No. of units Constructed (Target)
1	2	3	4
1990-91	300.00	225.93	8848
1991-92	175.00	190.00	7700

**Water Supply in Non-Problem Villages having Population more than 5000 :**

13.9 Rural Water Supply Schemes are being constructed to provide potable water to the problem villages where safe drinking water is not available. However, there are many problem villages but due to their nearness to the main roads/towns and development of rural industry these villages have grown in population ranging from 5000 to 15000. These villages neither have Notified Area Committees nor the Village Panchayats have the requisite resources to provide necessary civic amenities. On accounts of the non-availability of adequate drinking water and suitable disposal and facilities the environment in such villages is fast deteriorating and there is an over increasing danger to the health of the people living in such rural areas.

An outlay of Rs. 350.00 lakhs has been provided for the Annual Plan 1992-93 for implementing this programme in 12 villages of the State.

#### Urban Water Supply and Sewerage

13.10 At present there are 129 towns comprising urban sector of Punjab and having a population of about 57.00 lakhs, out of these, 7 towns fall in Class-I category, 9 in Class-II, 28 in Class-III, 39 in Class-IV, 32 in Class V and 16 Class-VI. Out of total number of towns 94 towns are partially covered with water supply and 75 towns partially covered with sewerage system. 70% population is covered with water supply and 50% population is covered with sewerage system in the urban areas of the State.

13.11 For 100% coverage of Urban population for Water Supply, 80% coverage of Sewerage, 65% for sanitation, 30% for Sewage Treatment Plants, an amount of Rs. 1000.00 crores is required for this purpose. Due to constraint on resources, an outlay of Rs. 2.25 crores has been provided during Annual Plan 1992-93, under this sub-head.

#### Setting up of Sewage Treatment Plant

13.12 Treatment of Sewage is a dire necessity in view of the pollution being caused by the constant application of untreated Sewage on land. In view of these consideration, the treatment of Sewage needs to be accorded high priority and allocation of Rs. 25.00 lakhs has been provided during Annual Plan 1992-93 for setting up a Sewage Treatment Plants at Amritsar on a pilot basis.

#### Low Cost Sanitation

13.13 Government of India has floated a scheme entitled 'Integrated Scheme for liberation of scavengers and improvement of sanitation in different towns, under which 10 towns were selected in Punjab during 1989-90 and 12 towns during 1990-91. This Scheme aims at eliminating the existing practice of human scavenging. The concerned local bodies are to amend their by-laws to prohibit employment of

scavengers in their area. The funding pattern of this scheme is as under :—

Sr.No.	Name of the Agency	Contribution
1	2	3
1.	HUDCO loan	.. 50%
2.	Subsidy from GOI (according to the income of household)	.. 45%
3.	Beneficiary	.. 5%
Total		100%

The Punjab Water Supply and Sewerage Board has prepared schemes for the 24 towns of the State and send to HUDCO for sanction of loan. HUDCO has also sanctioned the schemes. In addition to above, State Government will also provide 12% subsidy to yellow-card holders for availing this facility (maximum Rs. 336 per unit).

An outlay of Rs. 50.00 lakhs has been provided for Low Cost Sanitation during 1992-93. This amount has been provided as Subsidy to the weaker section of the state who are unable to contribute their share e.g. yellow-card holders.

#### Improvement in Sewerage System Bhatinda

13.14 The existing Sewerage System of Bhatinda town is not functioning properly. Due to this, health and sanitation problem will arise. Therefore, state Government has decided that restoration of Sewerage System Bhatinda is to be given high priority. An outlay of Rs. 1.50 crores has been provided for this purpose during Annual Plan 1992-93. The funding pattern of this scheme is as under :—

(Rs in Crores)

Sr. No.	Name of the Agency	Contribution
1	2	3
1.	MC, Bhatinda	.. 3.20
2.	State Government (Plan funds)	.. 3.00
3.	LIC loan.	.. 10.00
Total		.. 16.20

This Scheme will be completed in a period of 2 years



## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990- 91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content
1	2	3	4	5	6
<b>Water Supply &amp; Sewerage</b>					
<b>District Level Schemes:</b>					
<b>Infrastructure Schemes</b>					
<b>Rural Water Supply</b>					
RWS-1-(i) Rural Water Supply	1800.00	2200.00	2299.00	2450.00	2450.00
<b>Total</b>	<b>1800.00</b>	<b>2200.00</b>	<b>2299.00</b>	<b>2450.00</b>	<b>2450.00</b>
<b>Beneficiary Oriented Schemes</b>					
<b>Rural Water Supply &amp; Sanitation</b>					
RWS-2—Low cost Sanitation	300.00	175.00	190.00	175.00	175.00
<b>Urban Water Supply &amp; Sewerage</b>					
WS-7—Low cost Sanitation	50.00	20.00	20.00	50.00	50.00
<b>Total</b>	<b>350.00</b>	<b>195.00</b>	<b>210.00</b>	<b>225.00</b>	<b>225.00</b>
<b>Area Specific Schemes</b>					
<b>Rural Water Supply and Sanitation</b>					
RWS-1-(ii) For villages having population more than 5000 persons	340.00	340.00	340.00	350.00	350.00
<b>Total</b>	<b>340.00</b>	<b>340.00</b>	<b>340.00</b>	<b>350.00</b>	<b>350.00</b>
<b>Urban Water Supply and Sewerage</b>					
WS-1 Financial Assistance to MC's					
(a) L.I.C. aided Project 5th Package	66.12	354.50	354.50	—	—
(i) Sewerage system at Bathinda	—	—	150.00	150.00	150.00
WS-6 Setting up of Sewage Treatment Plant	10.00	10.00	10.00	25.00	25.00
<b>Total</b>	<b>10.00</b>	<b>10.00</b>	<b>160.00</b>	<b>175.00</b>	<b>175.00</b>
<b>Grand Total (WS &amp; S)</b>	<b>2566.00</b>	<b>3099.50</b>	<b>3363.50</b>	<b>3200.00</b>	<b>3200.00</b>

## CHAPTER XIV

### URBAN DEVELOPMENT AND HOUSING

#### Urban Development :

The State government has adopted a strategy relating to building up an urban land resource for residential, commercial and other purposes for making available Water Supply, Sewerage and other urban services with a view to ensure orderly growth of the settlement in the urbanisation process. Over all frame work of the national and the State objectives, scheme relating to urban poverty alleviation, urban basic services, environmental improvement of urban slums have also been framed to improve the living conditions in the urban areas of the State. The law and order situation during the last decade 1981—91 has resulted in heavy influence of people to the urban areas for seeking alternative or better employment opportunities.

14.2. The land resource of 503,62 square km. in Punjab is predominantly under agriculture i. e. 42354.44 square kilometre (84.10%). The Built Area, namely the rural urban settlements including regional and road transport network and other non-cultivated areas constitute 8007.56 square Kilometres (15.90%). The Human Settlements and Regional Infrastructure land component constitutes 5313.10 Square Kilometres i.e. 10.55% of the total land resource. As per the 1991 provisional census information there are 12342 villages and 120 urban settlements with an urban population of 60.00 lakhs i. e. 29.85% of the total population of 201.90 lakhs. It is amongst the highest populated State in the country and has a density of 401 persons per square Kilometre. As against the national average decadal growth rate of 23.50% (1981—91), the growth rate for the State has declined to 20.26%. However, the decadal growth rate in the urban sector is 29.11% (1981—91) as against the national urban growth rate of 25.3%. The growth of urban population, due to its own growth and rural urban migration for the decade 1981—91 is of the order of 1.35 lakhs persons per year and is likely to further increase to 2.00 lakhs persons per year in the 1991—2000 decade.

14.3. During 1990-91 a sum of Rs. 8862.20 lakhs were spent under this sub-head. The major expenditure was incurred under Punjab Urban Renewal Project during this period. During 1991-92, an outlay of Rs. 6866.00 lakhs has been provided under sub-head 'Urban Development' for implementation of various urban development programmes in the State.

14.4. An outlay of Rs. 65.00 crores has been provided for Annual Plan 1992-93 under this sub-head for implementation of schemes/programmes, keeping in view the above mentioned objectives the scheme-wise details are given as under :—

#### Town and Regional Planning :

14.5. This is an on-going state plan scheme. A sum of Rs. 10.00 lakhs was provided in the Annual Plan 1990-91. During 1991-92 no amount was earmarked in the revised allocation,

These allocations are against purchase of equipment, instruments and setting up of a skeleton cell for the Research and Development Project including collection and analysis of data relating to Urban Regional Information System (URIS). The scheme is promoted by TCPO (GOI), Ministry of Urban Development (HUSAG(IIRS) Dehradun and I. T. C. Netherlands. The R and D Project also includes Small Format Aerial Photography for surveying and Mapping of Human Settlements. A sum of Rs. 12.00 lakhs has been provided for Annual Plan 1992-93.

#### Development of Mand Areas :

14.6 The development of the environmentally critical Mand Area in the Beas & Sutlej Rivers tracks in Punjab have been given a high priority. The scheme aims at conservation of the river tract area and to promote preservation of the wild & aquatic life in the World promote system. An amount of Rs. 20.00 lakhs has been provided in the Annual Plan 1991-92. The Mand Area Development Board constituted by the State Govt. monitors the allocation in this scheme. During 1992-93 an outlay of Rs. 5.00 lakhs has been provided for this purpose. This is a State Plan Scheme, implemented by the Mand Area Development Board through the concerned departments.

#### Integrated Development of Small and Medium Towns :

14.7 This is a Centre : State 50:50 shared scheme. An outlay of Rs. 600.00 lakhs was provided in the 7th Plan. Against this, an expenditure of Rs. 264.14 lakhs was incurred. A sum of Rs. 3.00 crores has been provided in the Annual Plan 1992-93 on a 50:50 Centre State matching basis and the state share is Rs. 150.00 lakhs. Under this scheme the land is acquired and developed for the residential and commercial purposes and includes the construction of booths and SCOs environment improvement of urban areas and low cost sanitation for the poor. The State share of Rs. 100.00 lakhs has been provided in the Annual Plan 1991-92. Against the actual disbursement of Rs. 141.11 lakhs, the Central Share of Rs. 74.92 lakhs was released for Patiala, Gobindgarh and Ropar during 1990-91. Project Reports of six additional towns, Rajpura, Malerkotla, Ferozepur, Faridkot, Abohar and Mukatsar have also been submitted to G.O.I. for Central assistance.

#### Nehru Rozgar Yojna :

14.8 The Nehru Rozgar Yojna Scheme has been designed to provide employment to the urban un-employed and the un-employed living below the poverty line in the urban areas i.e. household income below Rs. 7,200 per year at 1984-85 prices. This is a Centrally Sponsored Scheme on a 50 : 50 share basis to be implemented by the State through the Local Bodies (Municipal Committee). A sum of Rs. 240.00 lakhs has been provided in the Annual

Plan 1992-93 out of which Rs. 120.00 lakhs is the centre share and the balance Rs. 120.00 lakhs is the state share on 50:50 matching basis. In the Annual Plan 1991-92 provision against the scheme is of the order of Rs. 299.00 lakhs on a 50 : 50 Centre State matching basis. The scheme consists of 3 parts, namely:--

- (i) Scheme for setting up Micro Enterprises and providing training & infrastructure support for urban poor beneficiaries.
- (ii) Scheme of wages Employment for creation of socially and economically useful public assets in the jurisdiction of Urban Local Bodies.
- (iii) Scheme of employment through Housing and Shelter Upgradation in low income neighbourhoods mainly for the urban poor and economically weaker sections and training and infrastructural support for promotion of construction skills among beneficiaries.

#### Grant-in-aid to MCs/Corporations/NACs :

14.9 During 1989-90, this scheme was included in the plan to provide basic amenities in the urban areas such as roads, improvement/widening of existing roads wherever possible within the municipal limits. Keeping in view, the financial position of the MCs, a grant-in-aid scheme was initiated with an outlay of Rs. 100.00 lakhs during 1989-90. An amount of Rs. 32.00 crores was provided for this purpose during 1990-91. During 1991-92, an amount of Rs. 5210.00 lakhs was provided under this programme.

#### Development Activities:—

14.10 During Annual Plan 1992-93, an outlay of Rs. 35.38 lakhs has been provided under this programme to implement development activities in the urban areas by the MCs. and seed money to Improvement Trusts etc.

#### Punjab Urban Renewal Project :

14.11 State Govt. has decided to provide basic amenities of life such as Water Supply, Sewerage, Roads and Street Lights under Punjab Urban Renewal Project with an estimated cost of Rs. 125.00 crores. This programme was undertaken during 1990-91 with the following funding pattern :—

(Rs. in crores)

Sr. No.	Name of the Agency	Contribution
1	2	3
1	State Govt. (Plan)	30.00
2	Non-Plan	5.00
3	LIC	15.00
4	Diversion from other sector of plan	10.00
	Total	60.00

During 1991-92, an outlay of Rs. 40.10 crores provided under this programme was revised to Rs. 23.49 crores

This project covers the provision of Water Supply, Sewerage and Roads/provision of street light in selected sub-divisional towns and basties at the District Headquarters of the State. During first year of this project, the target was to cover 7 sub-divisional towns and 21 Basties in the five district headquarters while in the 2nd year 1991-92, 8 sub-divisional towns and 23 basties in 6 district headquarters.

During Annual Plan, 1992-93, an outlay of Rs. 2500.00 lakhs has been provided to complete the spill-over works initiated during 1990-91 and 1991-92 and to undertake new towns in the second phase of the project. 1992-93. The funds under this programme will be released only having the details of the works to be completed undertaken as per the funding pattern decided in this respect.

#### Environmental Improvement of Urban Slums :

14.12 The scheme is an important part of the State Plan. Basic facilities of drinking water, drainage, pavement of street lighting and community baths/latrines to the slum dwellers are to be provided under this programme. During 1990-91 actual expenditure Rs. 165.00 lakhs was incurred. For the year 1991-92 an outlay of Rs. 175.00 lakhs has been provided for assistance to the local bodies for the implementation of the scheme.

14.13 During 1992-93 to cover a population of 70,000 persons an outlay of Rs. 150.00 lakhs has been earmarked. This programme will also be supplemented by the M.C's concerned from own sources.

#### Housing :

14.14 The provision of shelter for the shelterless is crucial for development/improvement in the quality of life of the inhabitants of the State. The major task before the State is to reduce the number of shelterless people and to provide conditions for others to improve their Housing environment. To boost construction activities under this sector institutional finance from HUDCO and LIC is being raised to supplement the provision in the State plan. During Annual Plan 1992-93 an outlay of Rs. 43.00 crores has been provided for sub-head 'Housing'. The scheme-wise details are as under :—

#### Construction of houses for govt. employees at District, Tehsil Headquarter and at other places :

14.15 Under this scheme houses are constructed for residential accommodation to the employees posted at District/Tehsil Headquarters and at other places. The houses are got constructed through the Punjab Housing Development Board after raising institutional finance from HUDCO by the Housing Board. During the 7th Five Year Plan there was a provision of Rs. 1000.00 lakhs for the construction of 822 houses. Out of this a sum of Rs. 121.41 lakhs as seed money for the construction of 228 houses at

Sangrur and a sum of Rs. 161.85 lakhs as repayment of HUDCO loan already raised was spent during the 7th Five Year Plan.

During 1992-93 a sum of Rs. 460.00 lakhs has been provided for the construction of 180 houses and repayment of HUDCO loan of Rs. 60.00 lakhs.

#### **Construction of houses for govt. employees at Chandigarh :**

14.16 Keeping in view the shortage of houses at Chandigarh the Punjab Govt. had decided to construct the houses for govt. employees/officers at Chandigarh. The scheme is at present being executed through the Punjab Housing Development Board after raising institutional finance from HUDCO. During the 7th Five Year Plan 694 houses in Sector 39-C and 24 were proposed to be constructed for which provision of Rs. 941.00 lakhs was made. Against this provision a project of 654 houses in Sector 39-C & 40, officers apartment in Sector 24 was approved by the Govt. and the construction work of these houses/apartments is in progress.

During the year 1992-93, a sum of Rs. 220.00 lakhs has been provided for construction of 32 officers flat at Chandigarh. and repayment of HUDCO liability.

#### **Loans to Govt. employees :**

14.17 An outlay of Rs. 400.00 lakhs has been provided for construction of their own houses by govt. employees and Rs. 200.00 lakhs has been provided for purchase of plots/repair houses/purchase of built-up houses during 1992-93.

#### **Punjab Housing Development Board :**

14.18 The Punjab Housing Development Board has not been provided any financial base by way of share capital. The Punjab Housing Development Board is executing its own schemes by taking loan from Govt. and mobilising institutional finances from HUDCO.

During the 7th Five Year Plan a sum of Rs. 500.00 lakhs was provided under this scheme for granting loan to the Board for the construction of their houses of various categories, out of which 240 lakhs was paid to the Punjab Housing Development Board for construction of houses. The Punjab Housing Development Board has constructed 1164 houses with this loan assistance. The schemewise details of houses constructed by P.H.D.B. for Sikh Migrants are given below.

#### **Allotment of Free LIG houses to Sikh Migrant :**

14.19 Under this scheme 1100 LIG houses were constructed by the Punjab Housing Development Board for allotment to the registered Migrants/Widows/Destitutes etc. as free of cost. The entire cost of these houses is to be paid by the Government to the Board. Out of 1100 houses 700 houses have already been allotted to the registered migrants/widows as free of cost and a sum of Rs. 129.86 lakhs was paid to the Board

during the 7th plan.

During 1992-93 a sum of Rs. 22.85 lakhs has been provided to meet the old liability of houses already allotted to the migrant families.

#### **Allotment of LIG Houses to Migrant Families on Concessional Terms :**

14.20 In pursuance of the decision of the Government to allot LIG houses to registered migrants on concessional rate 400 LIG houses have been allotted during the 7th Five Year Plan by the Punjab Housing Development Board. The average cost of LIG houses constructed by the Punjab Housing Development Board comes to Rs. 30,000/- per house. As per the normal procedure of recovery the Board receives 25% of the cost from the allottees at the time of allotment and the balance is received in 156 monthly instalments the which comes to Rs. 272/per month. The concessional policy of the Government provides that eligible Sikh Migrants will be allotted LIG houses for which the recovery will be made after giving two-years moratorium period and the fixed price will be recovered in 25 years in monthly instalments worked out by charging 4½% rate of interest. The monthly instalment per house comes to Rs. 167-per month. The concessional portion of the cost of the house is to be paid by the Government to the Board.

During 1992-93, a sum of Rs. 5.04 lakhs has been provided under the scheme to meet the old liability of houses already allotted to the migrants families on concessional terms.

#### **Urban Estate**

14.21 During 1991-92, it was decided that Punjab Housing Development Board will undertake the work of development of Urban-Estates in the state. An outlay of Rs. 10.00 crores has been earmarked for this purpose during 1992-93.

#### **Police Housing :**

14.22 In view of an acute shortage of married as well as barrack accommodation for Police Officers/men, most of them are compelled to stay outside Police lines/Police Stations in private rented accommodations at unsafe places. Due to security reasons they are not able to keep their families with them. The lack of supervision over their families adversely affects the studies of their wards. Moreover, 800 police Officers/men have lost their lives at the hands of extremists during the years 1981-91. Some of the families of Police Officers/men were also wiped out and their houses torched by the extremists. The moral of the force has to be kept high. It is, therefore, imperative that police employees presently lodged in private rented accommodation are provided safe Government built houses in the shape of protected colonies or barracks in Police lines, to check harassment from un-social elements.

14.23 It is learnt that Government of India has recently communicated that the satisfaction level in Police Housing in our country is of 10% and bring it to the satisfaction level of 40% in a

phased manner. Keeping in view these norms, the requirement of houses, and funds required to achieve these norms are discussed as under :—

1. Requirement of barracks for 28441 men.	
2. Barracks available for	7167 men
3. Shortage	21274 men
4. Funds required	53.19 crores
	354.00 crores

In addition to the above the State Government has accorded approval to the raising of about Rs. 26.00 crores as Institutional finances for the construction of 2740 houses during 1990-91. During 1991-92 an outlay of Rs. 10.00 crores has been provided for this scheme.

An outlay of Rs. 1200.00 lakhs has been provided under this scheme during 1992-93. The details of which are given as under :—

(Rs. in lakhs)

Sr. No.	Item	Approved Outlay 1992-93
1	Repayment of HFDC/HUDCO liability	380.09
2	Construction of 714 houses	
	(i) Seed Money	636.00
	(ii) Total cost Rs. 1515.00 lakhs	
3	Purchase of New land for construction house for police	130.00
4	Completion of Spillover works	53.91
	Total	1200.00

14.24 The details in respect of schemes HG 5.1 Housing Co-operation are given in Chapter relating to Sub-head 'Cooperation'.

14.25 The details in respect of Rural Housing Scheme HG 6.1 are given in chapter relating to sub-head 'Rural Development'.

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme-wise Outlay and Expenditure

(Rs. in lacs)

Name of the scheme/Major Head/Minor Head	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6
<b>Urban Development</b>					
<b>State level Schemes :</b>					
UD-1	Urban Estates	5180.00	1000.00	1000.00	—
UD-3	Town and Regional Planning	10.00	10.00	—	12.00
UD-5	Integrated Development of Small and medium towns	—	100.00	—	—
UD-9	Nehru Rozgar Yojana	—	—	—	120.00
UD-11	Setting up of Urban Development Authority	—	1.00	—	—
UD-13	Development of Mand Area	—	20.00	—	5.00
	<b>Total (State level Schemes)</b>	<b>5190.00</b>	<b>1131.00</b>	<b>1000.00</b>	<b>137.00</b>
<b>District Level Schemes :</b>					
<b>Infrastructure Schemes :</b>					
UD-6	Environmental Improvement of sluttis	165.00	175.00	174.25	175.00
UD-8	Grant-in-aid to MC's/Corporations				
	(i) Developmental Activities	200.00	1200.00	1330.98	3538.00
	(ii) Punjab Urban Renewal Project	3000.00	4010.00	2349.00	2500.00
UD-10	Counter Magnet to NCR-Development of Patiala City	—	200.00	100.00	—
UD-14	Low cost sanitation for Rehabilitation of scavengers	—	50.00	50.00	—
<b>Area Specific Schemes :</b>					
UD-5	Integrated Development of Small and medium Towns	66.20	—	—	150.00
<b>Beneficiary oriented Schemes :</b>					
UD-9	Nehru Rozgar Yojana	241.00	100.00	100.00	—
	<b>Total (District level Schemes)</b>	<b>3672.20</b>	<b>5735.00</b>	<b>4104.23</b>	<b>6363.00</b>
	<b>Grand Total (UD)</b>	<b>8862.20</b>	<b>6866.00</b>	<b>5104.23</b>	<b>6493.00</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## Scheme-wise Outlay and Expenditure

(Rs. in lacs)

Name of the scheme/Major Head/Minor Head	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content	
1	2	3	4	5	6	
<b>Housing</b>						
<b>State level Schemes :</b>						
HG 1.1	For Government residential Buildings at District /Tehsil Headquarters and at other places ..	33.81	56.00	56.00	60.00	60.00
HG 1.2	For Government Employees at Chandigarh ..	463.95	200.00	200.00	220.00	220.00
HG 2.2	Houses for homeless ..	32.55	28.36	16.00	—	—
HG 2.3	Low Income group Housing ..	36.06	40.00	40.00	—	—
HG 2.4	Middle Income Group Housing ..	56.67	130.00	80.00	—	—
HG 2.5	Loan to Government Servants					
	(i) For construction of houses ..	349.00	400.00	523.51	400.00	400.00
	(ii) For repair/purchase of plot/built up houses ..	150.00	150.00	226.49	200.00	200.00
HG 2.7	Village Housing project scheme ..	50.00	50.00	50.00	—	—
HG 3.1	Contribution of Housing Board ..					
	(i) For construction of house ..	—	100.00	—	—	—
	(ii) Allotment of free LIG houses to migrants and widows ..	22.85	29.30	22.85	22.85	22.85
	(iii) Allotment of LIG houses to migrants families on concessional basis ..	5.04	6.42	5.04	5.04	5.04
	(iv) Acquisition of land for Urban Estates ..	—	—	—	1000.00	1000.00
HG 4.1	Houses for Police ..	447.00	1000.00	1000.00	1200.00	1000.00
<b>1.4. Housing Cooperatives :</b>						
HG 5.1	(a) Assistance to Housing Societies/Housing Federation as margin money and managerial Subsidy ..	—	200.00	200.00	200.00	200.00
	<b>Total (State level Schemes)</b> ..	<b>1646.93</b>	<b>2390.08</b>	<b>2419.88</b>	<b>3307.89</b>	<b>3307.89</b>
<b>District level Schemes :</b>						
HG 1.1	For Government Residential Building at District/Tehsil Headquarters and at other places ..	—	364.00	364.00	400.00	400.00
<b>104—Housing Cooperatives :</b>						
HG 5.1	(b) Grant to Cooperative House Building Societies/Housing Federation for Development of Housing project sites in rural areas ..	—	120.00	—	93.00	—
HG 6.1	Rural Housing programme ..	—	—	—	500.00	500.00
	<b>Total (District Level Schemes)</b> ..	<b>—</b>	<b>484.00</b>	<b>364.00</b>	<b>993.00</b>	<b>900.00</b>
	<b>Grand Total (Housing)</b> ..	<b>1646.93</b>	<b>2874.08</b>	<b>2783.89</b>	<b>4300.89</b>	<b>4207.89</b>

## CHAPTER XV

### Welfare of Scheduled Castes and Backward Classes

Particulars	Approved Outlay	App. Outlay
	1991-92	1992-93
1	2	3
Economic Programme	1368.60	2008.01
Education	454.86	719.93
Health & Environmental improvement	571.54	1136.00
Others	51.00	57.00
<b>Total</b>	<b>2446.00</b>	<b>3920.94</b>

Main reasons for steep increase in the allocation of this sub-head are as under :—

15.2 Capital subsidy proposed for below poverty line is Rs. 1100.00 lacs against provision of Rs. 850.00 lacs for 1991-92. Allocation for purchase of plot for setting up commercial/economic unit has been stepped upto Rs. 150.00 lacs against the provision of Rs. 50.00 lacs during the year 1991-92. To enable the PSCFC to carry out various income generating self-employment oriented programme allocation provided for Share Capital is Rs. 263.81 lacs against provision of Rs. 153.00 lacs for 1991-92. Besides getting 49% contribution from Government of India will enable the PSCFC to raise soft loan from NSFDC which charges 4.5% rate of interest in the loan advanced to the PSCFC.

15.3 The programme for construction of Ambedkar Bhawan has been added for which allocation of Rs. 200.00 lacs has been provided.

15.4 The programme attendance scholarship to Scheduled Caste primary girl students will check the drop out rate to enable the Sc. girl students to sustain their education. An outlay of Rs. 720.00 lacs has been provided under this programme.

### ECONOMIC DEVELOPMENT

#### Welfare of S.Cs & B.Cs

15.5 Punjab Scheduled Caste Land Development & Finance Corporation and Back-Finco has been entrusted with the economic development of the Scheduled Castes and Backward Classes, respectively in the State. PSCFC has been declared as a nodal agency for economic development of the Scheduled Caste in the State. Both the corporations are implementing various economic programmes for their respective target group by providing soft loan under their normal loaning programmes and also arranging bank tie-up loans for below poverty line beneficiaries. The lending rate of these Corporation are as under:—

Loan Range	Rate of interest	
	PSCFC	BACK-FINCO
(i) Upto Rs. 3,000	Nil	Nil
(ii) Rs. 3,001 to Rs. 10,000	3%	3%
(iii) Rs. 10,001 to Rs. 20,000	4½%	4%
(iv) Rs. 20,001 to Rs. 30,000	5½%	5%
(v) and above Rs. 30,000	8%	7%

15.6 Direct loaning is done by PSCFC out of its, Share Capital provided by the State Govt. and GOI in the ratio 51 : 49. Out of the authorised capital of Rs. 30.00 crores the paid up capital up to the year 1990-91 of this Corporation worked out to Rs. 2108.19 lacs including GO I contribution to Rs. 713.91



lacs. The yearwise release of share capital is given to the table below:

**PUNJAB SCHEDULED CASTES LAND DEVELOPMENT & FINANCE CORPORATION**

**Share Capital Contribution made by State Govt. and Govt. of India**

(Rs. in lacs)

Year	State Govt.	Central Govt.	Total
1	2	3	4
1970-71	100.00	—	100.00
1971-72	—	—	—
1972-73	50.00	—	50.00
1973-74	100.00	—	100.00
1974-75	62.00	—	62.00
1975-76	100.00	—	100.00
1976-77	88.00	—	88.00
1977-78	—	—	—
1978-79	—	—	—
1979-80	51.00	49.00	100.00
1980-81	102.00	98.00	200.00
1981-82	51.00	49.00	100.00
1982-83	102.00	98.00	200.00
1983-84	202.00	98.00	300.00

1	2	3	4
1984-85	51.00	49.00	100.00
1985-86	25.50	24.50	50.00
1986-87	51.00	—	51.00
1987-88	39.03	37.50	76.53
1988-89	45.45	43.45	88.90
1989-90	51.00	49.00	100.00
1990-91	123.30	118.46	271.76
<b>Total</b>	<b>1394.28</b>	<b>713.91</b>	<b>2108.19</b>

Share Capital contribution during 1991-92  
State Share Rs. 153.00

Authorised Share Capital of the Corporation Rs. 3000.00 lacs

15.8 Punjab Scheduled Castes Land Development and Finance Corporation is also implementing programme in collaboration with National Scheduled Castes and Scheduled Tribes Development and Finance Corporation (NSFDC) provide loan to the extent of 70% of the project cost to PSCFC at the rate of 4.5%. PSCFC after adjusting the services charges advance the loan to the beneficiaries at the rate of 6% of rate of interest. This Corporation is also responsible for re-paying the loan to NSFDC and recovering the loan from beneficiaries. Thus upper project cost provided by PSCFC in case of Land Projects Scheme is Rs. 1.00 lac for purchase of 1½ acres of land and small dairy farm and for the purchase of transport vehicle the maximum limit is up to the cost of vehicle 5% margin money is being contributed by the beneficiaries. The details of these programmes is at Table I.

**TABLE I**  
**PROGRAMME BEING IMPLEMENTED IN COLLABORATION WITH NSFDC, NEW DELHI**

Year	Name of the Scheme	No. of beneficiaries	Total Cost	Pb. SCFC Share	NSFDC Share	Remarks
1990-91	Financing of Transport Vehicles	100	174.80	43.70	122.36	5% Contribution by beneficiary
1991-92	—Do—	179	400.00	100.00	280.00	—Do—
1992-93	—Do—	179	440.00	110.00	308.00	—Do—
1990-91	Land Purchase Scheme	240	350.80	113.20	237.60	—
1991-92	—Do—	240	350.80	113.20	237.60	—
1992-93	—Do—	240	319.60	91.60	228.00	—

15.9 PSCFC is implementing various programmes for below poverty lines S.C.s by helping them to raise institutional finance. Capital subsidy is provided by the State Government. The following programmes are worth mentioning :—

(a) **Bank-tie-up Loaning Programme**

Capital subsidy to the extent of 50% of the loan amount or maximum to extent of Rs. 5,000 or whichever is less, is available to the below poverty line S.C.s. The capital subsidy is allowed only under the income generating programmes. The normal rate of interest is charged by the bank on the loan advanced under this scheme. A sum of Rs. 1100.00 lacs has been provided during the year 1992-93 to cover 25,000 beneficiaries.

(b) PSCFC is also implementing programme of 'Funding of Economic Ventures' where the grant for the purchase of plot @ Rs. 2,000 per marla subject to maximum of Rs. 4,000 is allowed.

Corporation provides loan for construction of shops and working capital to make the ventures functioning. The capital subsidy @ 25% of the cost of construction, raw material etc. subject to the maximum of Rs. 10,000 is allowed out of S.C.A. funds. An outlay of Rs. 150.00 lacs has been provided during 1992-93.

(c) State Planning Department has formulated an ambitious programme of providing grant-in-aid to S.C.s for construction of houses @ Rs. 10,000 per unit per year. The cost of Housing unit has been worked out to Rs. 10,000 and to be subsidised to the extent of Rs. 75,00 and balance to be contributed in the shape of labour by beneficiaries. One of the conditions for eligibility under the scheme is that beneficiary will have to opt for the Economic/Commercial venture to ensure its income on sustainable basis. The funding of economic venture is an integral part of housing scheme is also entrusted to the PSCFC. The detail of capital subsidy released number of beneficiaries covered under direct loaning and Bank-tie loaning is given at Table II.

**TABLE- II**  
**15.10. Details of Direct loans & Bank Tie-up Loans disbursed through PSCFC**

Year	Direct Loans		Bank Tie-up Loans		
	Amount	Beneficiaries	Amount (including Subsidy)	Capital Subsidy	Beneficiaries
1	2	3	4	5	6
1971-72	20.14	505	—	—	—
1972-73	80.04	2264	—	—	—
1973-74	88.54	2215	—	—	—
1974-75	59.16	1415	—	—	—
1975-76	87.63	1985	—	—	—
1976-77	118.74	2416	—	—	—
1977-78	132.06	2412	—	—	—
1978-79	82.48	1566	—	—	—
1979-80	194.00	4152	15.44	—	362
1980-81	102.32	1955	667.14	—	20268
1981-82	39.65	585	947.15	—	28101
1982-83	107.05	1695	513.52	—	14216
1983-84	43.21	460	660.41	222.50	15407
1984-85	47.41	341	1097.14	357.16	24201
1985-86	201.15	1312	1261.92	410.30	25887
1986-87	74.41	668	1352.85	440.55	24010
1987-88	86.40	835	1396.35	451.01	21848
1988-89	26.62	331	1538.44	500.00	21190
1989-90	48.52	569	1608.12	519.99	25554
1990-91	62.50	309	2504.40	789.24	29086
1991-92 (30-9-1991)	94.78	444	188.60	66.78	1751
<b>Total</b>	<b>1796.81</b>	<b>28434</b>	<b>13758.48</b>	<b>3757.48</b>	<b>251881</b>

15.11 Punjab Backward Classes Land Development & Finance Corporation which undertake the programme of Socio-economic Upliftment of Backward Classes was set up in the year 1976 with authorised share capital of Rs. 10.00 crores. It undertakes direct loaning, bank tie-up programme for the beneficiaries. Details of the share capital subsidy and number of beneficiaries covered is annexed at Table III.

15.12 BACKFINCO is also undertaking a plan scheme Employment oriented carrier Agents in collaboration with LIC for providing new training programme for BC unemployed youth so as to absorb them permanently in LIC as Development Officers in LIC as LIC Agents. The training period is 3 years

and during training period trainees will be paid a stipend of Rs. 200 P.M. by BACKFINCO. This expenditure will be shared on 50 : 50 basis between BACKFINCO and State Government. LIC will also pay a stipend of Rs. 750 Rs. 600 and Rs. 400 P.M. in 1st, 2nd and 3rd years of training. In addition to it, LIC Commission of Rs. 300, Rs. 500 and Rs. 900 will also flow to trainees in 1st, 2nd and 3rd year. Rs. 2.20 lacs have been provided under this scheme in 1992-93. In each year 80 trainees will be admitted while in 2nd year the trainees will be 160 and in 3rd year the strength of trainees will reach to 240. Besides BACKFINCO will also bear the expenditure to be incurred on advertisement and other incidental charges if any, on account of sponsoring the candidates to the LIC.

TABLE III

15.14 Details of Share Capital/Capital Subsidy being disbursed through BACKFINCO

Year	Share Capital released	Margin Money utilised	Bens covered	Institutional finance raised	Interest subsidy released	Capital subsidy released	Institutional finance raised	No. of bens covered
1	2	3	4	5	6A	6B	7	8
1971-72 to 1974-75	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
1975-76 to 1979-80	134.00	12.16	2037	1033.60	40.00	—	892.60	12754
1980-81 to 1984-85	406.00	45.25	2093	3846.25	158.10	—	2893.68	77556
1985-86 to 1989-90	60.00	—	2717	—	40.10	108.22	1041.08	14775
1990-91	80.00	—	1184	—	—	60.00	194.47	2080
1991-92 (upto 15-11-91)	80.00	—	475	—	—	18.50*	21.56	539
1992-93 (proposed)	98.00	—	1500	—	—	72.00	228.00	3600

\*Note : Against allocation of Rs. 60.00 lacs, so far Rs. 18.50 lacs released by district authorities.

15.15 To impart specialised training in five trades viz. electric maintenance, Indian Standard and reading of Engineering Drawings, Machine tool maintenance, Tool and Die making and Introduction of Engineering Technology, the BACKFINCO is running scheme, "Advance vocational training for self employment". Training period will be of three months during which stipend at the rate of Rs. 400 per month will be paid for which allocation is Rs. 2.00 lacs has been provided during 1992-93.

15.16 On the job training for guaranteed employment, for unemployed SC's was envisaged in 1990-91 Rs. 500 per month will be paid to the trainees for a period of one year. After getting training the firm/industry will absorb trainee permanently for at least 3 years and will pay equal to minimum wages fixed for skilled category. Rs. 180.00 lacs to cover 3000 beneficiaries has been provided for 1992-93.

## EDUCATION

15.17 It is hard fact that unless the Scheduled Caste/Backward Classes are made literate, they

would perhaps neither be able to understand welfare programme undertaken for them by Government nor they would be able to derive full benefits from these programmes. So under the programme 'Free books to Scheduled Caste students- Rs. 355.13 lacs have been provided for Annual Plan 1992-93. This programme will benefit 10 lacs students per year. To help the Scheduled Caste students to sustain higher education, grant at the rate of Rs. 200 P. M. is provided to students studying in Medical & Engineering Colleges An outlay of Rs. 2.50 lacs has been provided during 1992-93 to assist 600 scheduled caste students.

15.18 To enable S. C. students to complete in various competitive examinations and to improve their representation in various services, there exists pre-examination facilities for IAS, PCS, Allied Services, Banking & LIC, PMT/PET etc. for S.C. students at residential Institute at Mohali. The Institute which is running in a rented building on 50:50 sharing basis with Government of India only on recurring expenditure. For Annual Plan 1992-93 there exists outlay of Rs. 50.00 lacs for construction and Rs. 19.00 lacs for recurring expenditure.

Every year about 215 students will be imparted training.

15.19 The main objective of the scheme 'Pre-Matric scholarship to children of those engaged in unclean occupation' is to keep the children away from the unhygienic surroundings under which their parents live and to provide good quality of education by way of keeping them in hostels. A sum of Rs. 200 and Rs. 250 is being spent on children from 6 to 8 classes and 9 to 10 classes respectively. This is 50:50 sharing basis scheme with Government of India. A sum of Rs. 10.00 lacs have been provided as State share for Annual Plan 1992-93 for opening of 5 hostels.

15.21 Under the new scheme "Construction of Dr. Ambedkar Bhawans at District level" it is proposed to construct Bhawans to be named as "Baba Sahib Dr. B.R. Ambedkar" at Distt. Headquarters. Each Bhawan will have an auditorium (for 500 persons), Library-cum-Research Centre, meeting hall (for 50 persons), office & Residence of chowkidar. An outlay Rs 200.00 lacs have been provided to construct 2 Bhawans during 1992-93.

15.25 Award to SC sports students (6-12) classes was launched in 1990-91 at a cost of Rs. 25 lacs. The award will be at the rate of Rs. 25 per student per month excelling in sports, athletics and games. It will cover 216 educational blocks. Six students consisting of 3 girls and 3 boys in each education block will be selected on the basis of their performance in various competitions. Rs. 27.20 lacs have been provided for 1992-93. Also an outlay of Rs. 33.60 lacs have been provided for Annual Plan 1992-93 for opening of 46 creches.

#### Health and Environment Improvement

15.26 Environmental improvement of existing scheduled castes basties will be made by providing pucca streets and drains, clean drinking water, land for manurial pits for dumping of household waste, conversion of dry latrines into water borne latrines, providing one electric connection to the SC household, pucca link roads and street lights besides plantation of trees around the sites for manurial pits.

15.27 Environmental improvement of SC Basties schemes was launched in 1972-73. Upto the end of the 7th Plan Rs. 1593.06 lacs have been incurred to construct 1503 Basties pucca and 18147 water drinking units have been provided. In 1991-92 Rs. 180.00 lacs were provided. For similar purpose Rs. 130.00 lacs for the year 1992-93 have been provided.

The progress under this scheme is as follows :—

Year	Expenditure (Rs. in lacs)	No. of Basties covered/to be cover- ed.
1	2	3
1972-73 to 1974-75	.. 268.29	401
1975-76 to 1979-80	.. 377.35	572
1980-81 to 1984-85	.. 563.60	370
1985-86 to 1989-90	.. 384.15	245
1990-91	.. 110.46	40
1991-92	.. 180.00	60
1992-93 (Proposed)	.. 130.00	40

15.28 Another programme for providing one point light connection to every unelectrified SC household at a cost of Rs. 260 per household was launched in 1986-87 at a cost of Rs. 30.00 lacs. Rs. 72.00 lacs have been provided for 1992-93. Similar scheme was initiated for providing one light point in SC Dharmshalas, in 1986-87, Rs. 14.00 lacs has been provided for the year 1992-93. The physical and financial achievements are indicated below :—

Year	No. of household electrified	Exp. (Rs. in lacs)	No. of SC Dharm- shalas electrified	Exp. (Rs. in lacs)
1	2	3	4	5
1986-87	12653	32.90	3000	7.80
1987-88	11538	30.00	1923	5.00
1988-89	11538	30.00	1923	5.00
1989-90	11538	30.00	1923	5.77
1990-91	23076	60.00	3846	11.54
1991-92	23076	60.00	4650	14.00
1992-93 (Proposed)	27693	72.00	3043	14.00

15.29 Reading room in S.C. Dharamshalas was launched in 1990-91 with the sole purpose to increase the awareness among S.C. population and also to ensure the maintenance of S.C. Dharamshalas by providing vernacular newspapers, pamphlets, employment news and periodicals at a cost of Rs. 2500 P.A. per Dharamshala as per detail below:—

	(Exp. in Rs.)
1. Punjabi Tribune Rs. @1.10 per day ... for 364 days	400.00
2. Employment News (English) Weekly ... @ Rs. 1.50 for one year.	72.00
3. Punjabi Dunia of Language Deptt. ... @ Rs. 0.50	6.00
4. Jan Sahit of Language Department in Punjabi Rs. 0.50	6.00
5. Sehat of Health Department in Punjabi	Free
6. Jagriti in Punjabi of Public Relation	Free
7. Bal Sahit of Language Department/ or other magazine	16.00
8. Any other free material on mailing list	Free
9. Furniture (Table, Chair, Almirah)	2000.00
Total	2500.00

The scheme is to be implemented with the following pre-conditions:—

- (1) A Sabha Committee of the Village concerned will be constituted responsible for maintaining the Reading Rooms.
- (2) Village selected will be responsible for making the seating arrangements.
- (3) Committee will also be responsible for keeping accounts of the sale-proceeds of the news papers, periodicals and make use of the amount for the betterment of the Reading Rooms.

Rs. 20.00 lacs has been provided for 1992-93 and to cover 60 Dharamshalas.

15.30 The scheme assistance to SC for the development of manurial pits was initiated in 1990-91

An amount of Rs. 44.40 has been provided for 1992-93. Under this scheme 4140 SC beneficiaries will be covered to purchase one marla plot at a cost of Rs. 1000 per family per year. In case of higher rates for the purchase of plot the extra amount will be paid by beneficiary.

15.25 The scheme individual water borne latrine at a cost of Rs. 60.00 lacs was admitted in 1990-91. Rs. 125.00 lacs have been provided for 1992-93. The cost of one water borne latrine is approx. Rs. 2,500, out of which Rs. 2,000 is subsidy while the remaining part will be met by the beneficiary and the entire village will be covered. This programme will be implemented on priority basis in the villages already covered under environmental improvement of SC Baties.

15.26 In compliance with the assurance by F.M. in his Budget speech, a new programme Sc 24.3 "Attendance scholarship to S. C. girls at primary stage" during current year has been admitted.

Under this scheme S. C. girls at primary stage will be provided Attendance Scholarship of Rs. 30/- P.M. for 10 months in a year. It will help to check drop rate at primary stage. An outlay of Rs. 720.00 lacs has devolved to this scheme from outlay Rs. 750.60 lacs made under Housing Programme. Remaining amount will be provided at the time of finalisation of excess and surrenders.

#### Other Programme

15.32 The Scheduled Castes are subjected to social discrimination due to differential economic status and traditional professions, which leads to the practices of untouchability. To control this practice, the Programme Implementation of prevention of Civil Rights Act, 1955—Removal of untouchability' is running on 50:50 sharing basis with Government of India. The points covered under this programme are:—

- (i) Monetary Relief to the Script Writers.
- (ii) Grant-in-aid to Panchayats.
- (iii) Incentive to Inter-Caste married couples.
- (iv) Seminar on untouchability.
- (v) Survey on untouchability etc.

Rs. 12.00 lacs have been provided for the year 1992-93.

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Heads of Development/Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>Welfare of Scheduled Castes/Backward Classes : Beneficiary Oriented Schemes (State Level):</b>						
SW 1.1	Share Capital Contribution to PSCFC (State Share)	11.95	153.81	153.00	163.81	163.81
SW 4.1	Share Capital Contribution to BACKFINCO	126.02	80.00	80.00	98.00	98.00
SW 13.1	Employment Oriented Career Agent in collaboration with LIC	—	2.20	2.20	2.20	—
SW 2.2	(a) Setting up of Residential Institute for IAS/PCS and allied Services/Banking/LIC Services for Coaching to S/ Cs. (State Share)	3.01	8.00	8.00	19.00	—
	(b) Construction of Residential Institute	—	50.00	50.00	50.00	50.00
SC 2.3	Hostel for Boys/Girls in Schools/Colleges (State Share)	1.50	1.50	1.50	2.50	—
			District level			
SC 3.1	Removal of untouchability under programme for implementation of PCR Act, 1955 (State Share)	6.00	10.00	9.38	12.00	—
SC 2.4	Grant to students studying in Med/Engineering Colleges (State Share)	1.50	1.50	1.50	2.50	—
			District level			
SC 15.1	Salary Component	—	41.00	20.00	45.00	—
<b>New Programme (State Level)</b>						
SC 1.1	Share Capital Contribution to PSCFC.	—	—	—	100.00	100.00
	(vi) Funding of Economic Ventures including Commercial activities for self employment					
SC 25.1	Self Employment Scheme for unemployed youth upto Rs. 1.00 lacs PSCFC	—	—	—	100.00	—
SC 25.2	Self Employment Scheme for un-employed youth up to Rs. 1.00 lacs BACKFINCO	—	—	—	40.00	—
	<b>Total</b>	<b>149.98</b>	<b>348.01</b>	<b>325.58</b>	<b>635.01</b>	<b>411.81</b>

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise outlay and Expenditure

(Rs. in lakhs)

Major/Minor Heads of Development/ Name of the Scheme		Annual Plan 1990- 91	Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content
1		2	3	4	5	6
<b>Welfare of Scheduled Castes/Backward Classes : Beneficiary Oriented Schemes:(District Level Schemes)*</b>						
SC 10.1	Grant for Purchase of plots for Economic ventures .. including commercial Activities (to be implemented) by PSCFC)	31.90	50.00	48.25	150.00	—
SC 16.1	Capital Subsidy to PSCFC under Banktieup .. Loaning Programme to Below-poverty line SCs.	789.24	850.00	850.00	1100.00	—
		(Including centre share)				
SC 18.1	On the job Training and Guaranteed Employ- .. ment to SCs.	65.52	172.00	612.00	180.00	—
SC 12.1	Capital Subsidy to BCs under Bank tie-up loans	43.17	60.00	60.00	72.00	—
SC 23.1	Advance Vocational Training for Self- .. Employment to BCs. in collaboration with ITI Patiala	—	1.40	1.40	2.00	—
SC 8.1	One Electric Point to every unelectrified SC .. Household with held	260.00	60.00	60.00	72.00	—
SC 2.1	Free Book to SC Students (1 plus 2 stages) ..	—	300.00	300.00	355.13	—
SC 11.1	Award to SC Sports Students (6—112 Classes) ..	25.00	27.20	27.20	27.20	—
SC 21.1	Assistance to SCs. for the Development of .. Manurial Pits	19.15	37.00	37.00	44.40	—
SC 21.2	Individual Water Borne Latrines in Rural .. Areas	60.00	60.00	57.00	125.00	—
SC 22.1	Integrated and Comprehensive programme for .. for Socio-economic Housing Development of Scheduled Castes Landless Agriculture Labour, Sweepers, Scavengers andl other Artisans in Rural /Urban Areas	—	138.00	—	30.60	—
SC 5.1	Pre-Matric Scholarships to Children of .. those engaged in unclean Occupations	16.78	38.66	41.16	10.00	—
SC 24.3	Attendance Scholarships to SCs. Primary .. girls Students(New Scheme)	—	—	—	720.00	—
		1310.76	1794.26	1644.01	2888.33	—
<b>Infrastructure :</b>						
SC 17.1	Nursery School-cum-Creches in the Localities .. of Safai Mazdoors	28.00	28.00	30.00	33.60	—
SC 6.1	Environmental Improvement of SCs Basties .. including drinking water units	110.46	180.00	181.01	130.00	—
SC 9.1	One Electric Point Connection to SC .. Dharamshals	11.54	11.54	11.54	14.00	—
SC 20.1	Reading Rooms in SC Dharamshals ..	15.00	15.00	20.25	20.00	—
SC 24.7	Construction of Dr. B. R. Ambedkar Bhawans ..	—	—	100.00	200.00	200.00
		165.00	234.54	342.80	397.60	200.00
<b>Total (Welfare of SCs of &amp; BCs.)</b>		<b>1625.74</b>	<b>2376.81</b>	<b>2210.02</b>	<b>3920.94</b>	<b>611.81</b>

**CHAPTER XVI**  
**SOCIAL WELFARE**

Expenditure and proposed outlay are as under:—

1985—90 Actual Exp.	1990-91 Actual Exp.	1991-92 Approved Outlay	1992-93 Approved Outlay
1	2	3	5
852.07	195.05	430.00	452.77

16.2 To implement the various welfare activities efficiently for needy and weaker sections, the implementing staff should be well aware about modern trend in Social Welfare and other allied-sectors and also should have sound technical/vocational knowledge. For this purpose there exists allocation of Rs. 3.00 lacs under the scheme, Research, Training and Seminars for 1992-93.

**WELFARE OF CHILDREN**

16.3 To rehabilitate the destitute/deserted children, the Programme 'Services for children in need of care and Protection' caters to ameliorative services of food, shelter, clothing, Medical and educational/vocational development of these children. The sharing pattern is of the ratio 45:45:10 between Government of India, State Government and concerned voluntary organisation. An allocations of Rs. 4.00 lacs has been provided for the year 1992-93.

16.4 Financial Assistance to Dependent Children is intended at the rate of Rs. 60 P.M. per child to meet educational and maintenance charges of orphan/dependent children who are below the age of 16 years and live with their guardians/parents.

No. of beneficiaries (Cumulative)			App. Outlay (in lacs)
Non-Plan	Plan	Total	1992-93
5370	3700	9070*	28.00 (5200 bens)

\*Every year 1500 bens. will be added under plan side and about 300 reduced under Non-Plan side.

16.5 The certified school, Hoshiarpur which provides congenial atmosphere to delinquent, school dropout children etc. to enable them to enjoy normal life and balanced physical development is housed in dilapidate building work for repair, additions and alterations etc was taken in 1979-80 and 1st phase has been completed. For Second phase an outlay of Rs. 15.00 lacs. has been provided for Annual Plan 1992-93.

16.6 Bal Gram for the orphan and Destitute Children to provide warm and loving Home atmosphere was envisaged at a cost of Rs. 6.50 lacs in 1990-91. Bal Gram will be set up at Rajpura, where modern education, all facilities of recreation Sports, games and other co-curricular activities are to be provided. In one home, 8—10 boys and girls will be kept under the care of an abled and dedicated mother in the family atmosphere. One Bal Gram will accommodate 130 Children The Children will be below 7 years. Monthly diet money to each Child will be Rs. 250.00. Bal Gram will also admit orphan/destitute Children up to 16 years till they are rehabilitated in education and vocational training.

Component of the scheme are given below :—

	Outlay 1992-93 (Rs. in lacs)
(i) Salary Village Director (2200-4000), Assistant. Village Director (2000-3500) Accountant (1800-3200), Steno-I, Mothers (950-1800)-13, Peon-2 and Gate Keeper-I.	3.00 (At State Level)
(ii) Diet Money for 130 Children at the rate of Rs. 250 per Child P.M.	3.90
(iii) Office Expenses, rent, furniture, Utensils etc.	1.10
(iv) Construction of Building.	10.00
<b>Total</b>	<b>18.00</b>

16.7 To inculcate study habits and activate the talent of 4th and 5th Class Students Assisted Home Work Scheme for Children of EWS Women through



PUNWAC was admitted during the year 1990-91. In the beginning three Centres each in four District Headquarters at Patiala, Gurdaspur, Hoshiarpur and Ludhiana will be opened and in subsequent years 26 more Centres at district level and Sub-Divisional level are to be opened. Under this scheme, two trained teachers and one helper will be paid Rs. 1,000.00 Rs. 900.00 and Rs. 300.00 respectively. Each Centres will accommodate 30 Students. Rs. 3.00 lacs have been provided for Annual Plan 1992-93 Besides Rs. 3.00 lacs. for Salary component is at State Level.

16.8 For providing services to Children of middle class working women PUNWAC will set up 12 Day Care Centres in each district headquarters and 18 Centre in other towns and Sub-Divisional level in phased manner. Each Centre will accommodate 40 Children (1/1/2 to 6 years). There will be incharge teacher, helper and Chowkidar per Centre to run the Centre. These will be paid fixed Salary of Rs. 1,200, Rs. 900, Rs. 700 respectively. Rs. 5.00 lacs. have been provided for Annual Plan 1992-93 also Salary component of Rs. 3.77 lacs is at State level.

16.9 For the reception of neglected juveniles, delinquent juveniles, temporary reception of juveniles after they leave juveniles Home the Juvenile boys upto 16 years & girls upto 18 years are provided accomodation, maintenance, educational/vocational training & re-habitation. This programme J.J. Act, 1986 is running on 50 : 50 S.B./with GOI, with the exception that cost of land on which the buildings are to be erected will be borne by State Government alone. It is proposed to establish the following institutions in State for enforcement of Juvenile Act, 1986 :—

(i) Juvenile Homes	3
(ii) Special Homes	2
(iii) Observation Homes.	8
(iv) After Care Organisa- tion.	2

15

There are 12 Homes in existance functioning under the implementation of Children Act, which will be converted into Juvenile Home/Special Homes/Observation Homes and 3 New Institutions under the Enforcement of Juvenile Justice Act, 1986 will be introduced in the State.

The break up of funds is as follows :—

Particulars	(Rs. in lacs) Approved outlay 1992-93
(i) For Salaries, T.E., O. E. & M/S etc.	5.00
(ii) For the Construction of building.	20.00
	25.00

#### Women's Welfare

16.10 PUNWAC which is actively engaged in Welfare activities of Women provides technical training and financial assistance to needy women for creation of self employment and to made them economically self sustained. The Corporation has authorised share capital of Rs. 5.00 Cores. Govt. of India is Contributing in the ratio of 51:49 since 1986. During the year 1992-93, besides other welfare activities, the main aim of the Corporation is to construct Nari Bal Vikas Kendra and to start the Construction work of 'Working Women Hostel' at S.A.S. Nagar, Mohali.

#### TABLE SHOWING SHARE CAPITAL RELEASED TO CORPORATION DURING 1979-80 TO YEAR 1990-91

AUTHORISED SHARE CAPITAL Rs. 5,00,00,000

#### PAID UP CAPITAL

Year	State Share	Centre's Share	Total during the year	Cumulative Total
1979-80	30.00	—	30.00	30.00
1980-81	20.00	—	20.00	50.00
1981-82	15.00	—	15.00	65.00
1982-83	—	—	—	65.00
1983-84	24.00	—	24.00	89.00
1984-85	24.00	—	24.00	113.00
1985-86	25.00	—	25.00	138.00
1986-87	25.00	25.00	50.00	188.00
1987-88	22.00	21.13	43.13	231.13
1988-89	33.00	31.70	64.70	295.83
1989-90	13.00	12.49	25.49	321.32
1990-91	40.00	30.00	70.00	391.32
	271.00	120.32	391.32	

#### The other Statistics relating to PUNWAC are as under

Year	Share Capital Released	Margin Money Utilized	Beneficiaries Covered	Institutional Finance raised.	Capital Subsidy Released	Institutional Finance raised	No. Beneficiaries covered.
1.	2	3	4	5	6	7	8
1971-72 to 1974-75	—	—	—	—	—	—	—
1975-76 to 1979-80	30.00	—	—	—	—	—	—
1980-81 to 1984-85	83.00	14.42	372	—	—	—	—
1985-86 to 1989-90	208.32	22.57	487	—	35.00	70.00	1872
1990-91	70.00	0.07	3	—	14.65	29.12	705
1991-92	78.43	N.A.	360	—	15.00	30.00	500
1992-93 (Proposed)	98.03	—	—	—	5.00	10.00	200

#### PROPOSED OUTLAY (STATE SHARE)

(Rs. in lacs)

Share Capital	Capital Subsidy
1992-93	1992-93
50.00	5.00

**16.13 Women and Child Welfare** Rate of Financial Assistance to widows and destitute women been raised from Rs. 50 to 100 P.M. from July, 1990 to the bens below the age of 60 years who have been left without mean of assistance after the death of their husband or deserted by their husbands or are physically or mentally incapable of earning livelihood. The yearwise detail of outlays is given below :—

No. of Beneficiaries (Cumulative)			Approved Outlays (in lacs)
Non-Plan	Plan	Total	1992-93
21885	7100	28985*	90.00 (9100 bens.)

\*Every year 2500 bens. will be added under plan side and about 800 reduced under Non-Plan side.

**16.14** It is contemplated to increase the delivery of Welfare activities by involving voluntary organisations. There are 43 such registered bodies. A provision of Rs. 10.00 lacs exist for 1992-93 as grant-in-aid to such bodies for carrying out welfare activities in the State.

**16.15** Under the new scheme 'Legal Aid/Counselling to deserted Destitute/Divorce-women. It is proposed to begin with to open free legal counselling cells in 6 Districts of Amritsar, Jalandhar, Ludhiana, Patiala, Bhatinda and Faridkot, where the women have comparatively much educational and social awakening by providing one post each of Legal Assistant, JSS, Peon and Chowkidar. The services of Advocate will also be engaged. Rs. 4,000 P.M. will be paid to Advocate. An outlay of Rs. 2.00 lacs have been provided for Annual Plan 1992-93.

#### Welfare of Handicapped persons :

**16.16** Under the Scheme 'Supply of Prosthetic Aid to the Handicapped/Orthopaedically handicapped person having income up to Rs. 300 per month and Rs. 300 to Rs. 500 P.M. are provided actual cost of artificial limbs and half of the cost of limbs respectively to enable them to lead normal life. Rs. 0.60 lacs has been provided for Annual Plan 1992-93.

**16.17** The disabled persons falling in the age-group of 16—55 years are given financial assistance at the rate of Rs. 50 P.M. per beneficiary. Under the Scheme 'Financial Assistance to Disabled persons'. The yearwise break-up of the proposed outlay is given below :—

No. of Bens up to 1991-92 Commulative			Approved Outlays (in lacs)
Non-Plan	Plan	Total	1992-93
5815	2000	7815*	15.00 (2500 bens)

\*Every year 1000 bens will be added under Plan side and about 200 reduced under Non-Plan side.

**16.18** In the contemporary society, the question of marriage of the visually handicapped young girl has become a social hazard which has a bearing on their permanent rehabilitation in the society. Generally speaking, no sighted young boy comes forward to marry a visually handicapped girl. Similarly no sighted young girl is willing to marry with blind boy.

**16.19** Therefore to create enthusiasm in young boys and girls to come forward to marry blind young girls/young boys, under the scheme 'Marriage Grants to Visually Handicapped' Financial Assistance as an incentive @ Rs. 5,000 has been provided only to the sighted young boy who marry a blind girl. Similarly, it is further proposed that this assistance may also be allowed to the sighted young girl who willingly come forward to marry visually handicapped boy. It is proposed to cover 60 young boys and girls per year and 40 couples @ 8 per year for which a sum of Rs. 2.40 lacs has been provided for 1992-93.

**16.20** The scheme 'State Awards to the Handicapped' aims at to provide State Awards to the Disabled Persons who are adjudged best skilled worker among Handicapped employees from the Government Departments/Corporations, Public Sector Undertakings/Private Sector Undertakings. In addition to this the handicapped sportsman belonging to the State whose achievements in any field of the sports is outstanding at the State/National Level will also be provided the State Award at Rs. 1,000 per head for which a sum of Rs. 1.00 lacs has been provided to cover 100 beneficiaries in 1992-93.

**16.21** Under the Scheme 'Petrol Subsidy to the Physically Handicapped'. Handicapped owner of motorised vehicles are entitled to 50% subsidy on actual cost/expenditure on purchase of petrol/diesel however the subsidy should not exceed cost of 15 litres per month for vehicles of more than 2 horse power and below and 25 litres per month for vehicles of more than 2 horse power. The physically handicapped person having an income up to Rs. 2,500 per month from all sources are entitled for this benefit. It is Centrally Sponsored Scheme and entire expenditure on this scheme is reimbursed/borne by the Govt. of India. An outlay of Rs. 0.70

lacs Rs. 0.10 lacs have been provided for Annual Plan 1992-93.

**16.22** Under the scheme 'Construction of Institution Complex at Ludhiana' the 1st phase of the complex, i.e. housing workshop for the Handicapped, State After Care Home and Remand-cum-Observation Home at Ludhiana consisting of Boundary wall has been completed. In order to make the Workshop for the Handicapped, State After Care Home and Remand-cum-Observation Home Functional in the new complex, the 2nd Phase will comprise double stories foundation, construction of ground floor, first floor, high boundary wall, Brick Jali and Brick tile face, Road concrete paving etc. besides other basic amenities like Tubewell, Pump Chamber and Water Supply and Sewerage lines for supplying of drinking water and its disposal for which an allocation for 1992-93 is Rs. 15.00 lacs

#### Welfare of Old Destitute :

**16.23** The rate of old age pension for help-less persons/Women above the age of 60 years has been raised from Rs. 50 to Rs. 100 P. M. per beneficiary with effect from 1st July, 1990. The year wise break up and proposed outlay is as follows :—

No. of beneficiaries up to 1991-92 (Commulative)		Approved	allocation (in lacs)
Non-Plan	Plan	Total	1992-93
88,526	20,000	1,08,526*	145.97 (12000 bens)

\*Every year 7,000 bens will be added under plan side and about 2,000 reduced under Non-Plan side.

#### Grant-in-aid to P.G.I. for Blinds :

**16.24** The aim of this scheme is to impart training in simple dexterity work to rehabilitate the incurable blinds. Suffering and disability caused by blindness can be mitigated to a great extent, by creating awareness about the problems of Blinds and role and responsibility of the members of the family and community to handle the same conscientiously. The necessity of rehabilitating a blind persons as a productive and useful member by providing him latest aids devices assistance and training is paramount. This object is undertaken by the P.G.I., Chandigarh. It is proposed to cover 6 more blocks by P.G.I. under this scheme every year to ensure effective implementation of services to blinds in the rural areas. The scheme shall be extended by the P.G.I. in the phased manner to six community development blocks in every year. It has also been contemplated to provide two or three field workers for this purpose per block.

An outlay of Rs. 4.00 lacs have been provided for Annual Plan 1992-93 respectively. Previously grant of Rs. 2.00 lacs per year has been provided to the P.G.I. since the inception of the scheme.

#### DEFENCE SERVICES WELFARE :

**16.23** Punjab Ex-servicemen corporation (under Corporation Act) and Directorate of Defence Services Welfare were established in 1979 and 1984 respectively with the following objectives in view :—

- (i) To look after the Welfare of Ex-Servicemen, wards of ex-servicemen, disabled soldiers and Defence personnel belonging to punjab and their wards;
- (ii) To arrange employment in civil jobs and also to enable them for self-employment by providing loans, subsidies, seed money under various schemes of the Department ; and
- (iii). To impart training to ex-servicemen and their wards for securing jobs in armed forces and para-military forces and Police force and other civilian jobs where reservation for ex-servicemen and their wards exists @ ranging from 14% to 20%.

The strength of the Department is 275 whereas the strength of employees in the Ex-servicemen Corporation number 45. The total non-plan provision for expenditure of the Department for the year 1991-92 is Rs. 4.11 crore.

The outlay and expenditure under the plan is as under :—

(Rs. in lacs)			
Expenditure 1985—90	Outlay 1990-91	1991-92	Approved Outlay 1992-93
194.54	47.45	130.00	173.40

#### 16.26 O.S.W. 1.1 Share Capital Contribution to Punjab Ex-servicemen Corporation :

At present, there are more than 5 lacs Ex-servicemen in the State and more than 2 lacs are serving in the Armed Forces. 6000 Defence Services Personnel retired/released every year. It was for the purpose of re-settlement of this very large number of Ex-servicemen that the Punjab Ex-servicemen Corporation was set up in 1978 with an authorised Capital of Rs. 5.00 Crores. For this purpose Rs. 50.00 lacs were provided in the budget of 1991-92. So far, a total Rs. 2.05 Crore has been released as the Share Capital of PESCO upto July 1991. The Punjab Ex-servicemen Corporation has undertaken a number of major projects which are employment intensive and where a large number of Ex-servicemen will be provided with employment. For this purpose Ex-servicemen Co-operative Sugar Mill is being set up at at Amloh and the project of setting up of Alcohol Factory at Morinda has been undertaken. An outlay for Rs. 60.00 lacs has been provided for the year 1992-93. The funds will be utilised as under :—

- (i) An amount of Rs. 20.00 lacs (Rs. Twenty lacs only) will be utilised for staff expenses of the Punjab Ex-servicemen Corporation.

(ii) An amount of Rs. 30.00 lacs (Rs. Thirty lacs) will be given to the Ex-servicemen Co-operative Sugar Mills at Amloh as a Share Capital Contribution.

(iii) An amount of Rs. 10.00 lacs (Rs. Ten lacs only) will be utilised for setting up Alcohol Factory at Morinda.

#### 16.27 O.S.W. 1.2 Capital Subsidy to Ex-servicemen Under Bank Tie-up Loans.

The basic objective of Capital Subsidy Scheme is to provide financial assistance to Ex-servicemen for setting up their own self employment ventures. The maximum limit of loan will be Rs. 1.00 lac (Rs. one lac only). Margin money of 5% would be contributed by the beneficiaries and State would provide 10 percent Subsidy subject to a maximum of Rs. 10,000 (Rs. Ten Thousand only) under the Capital Subsidy Scheme to Ex-servicemen under Bank Tie-Up Loans. For the year 1991-92 Rs. 64.00 lacs (Rs. Sixty Four lacs only) have been provided and similar amount has been provided for the year 1992-93 to cover 640 beneficiaries on loan of Rs. 1.00 lac (Rs. one lac only). Till year 1990-91 loan of Rs. 10,000 (Rs. Ten Thousand only) was given to ex-servicemen with a subsidy of 30 percent subject to maximum of Rs. 3,000 where income was Rs. 10,000 P.M.

#### 16.28 O.S.W. 1.4 PEXSEM (Preparation of Ex-Servicemen for Self-Employment).

The basic object of the scheme is to impart training to the ex-servicemen to help in getting employment as well as self employment with suitable financial assistance from the financial institutions. This is a Centrally sponsored scheme of which 50 percent of the cost is borne by the Central Government and 50 percent by State Government. At present the Scheme is being run at Amritsar and Patiala and proposal to run the scheme at Hoshiarpur is with the Central Government for consideration and is likely to be accepted.

The selected Ex-servicemen are being paid stipend @ Rs. 250 P.M. during the period of training. The Ex-Servicemen are also entitled to Rs. 100 as conveyance allowance. The training is being provided to Ex-Servicemen under Dairy, T.V. Repair, Welding, Poultry Farming, Electrician, Bee-Keeping etc. Thereafter they are eligible to apply for Loans. About 375 Ex-Servicemen are being trained under the Scheme during a year in the above said districts. The neighbourer districts are also allotted seats in these districts for their ex-servicemen. An outlay Rs. 7.00 lacs has been allocated for this purpose for the year 1992-93 to train 375 Ex-Servicemen in the State.

#### 16.29 Preparing Wards of Ex-Servicemen for Recruitment in Armed Forces and Para Military Forces.

Approved Outlay (in lacs)

1992-93  
12.00

Overwhelming majority of the wards of Ex-servicemen come from rural areas, having the educational facilities and the standard of education is very low. As a result, most of the wards of Ex-servicemen used to fail to qualify in the entrance tests held for entry into armed forces. To ensure maximum possible selection of the wards of Ex-Servicemen into these services a training programme is being run at five centres. This has proved very successful and so this programme of training has been adopted on permanent basis.

#### Place Duration and Strength of each Course.

There are 5 Branches Recruiting Offices in Punjab at various places. In addition recruitment to Punjab Police and B.S.F. also taken place at Jalandhar. The training centres will be run at Sainik Rest Houses at Five District Headquarters. Training will be of 4 weeks duration. Each batch will be consist of 25 boys. Four batches will be run in a year to coincide with the recruitment programme of the Army. In addition, special courses would be run to prepare boys for entry into technical trades of the Air Force, Army and Navy. Training will be carried out at Amritsar, Jalandhar, Hoshiarpur, Ropar and Bhatinda in the existing Rest Houses of Departments.

An allocation of Rs. 12.00 lacs has been provided for 1992-93 to cover 1000 youth.

#### 16.31 Scheme for providing Hostel Facilities and Training for entry into various Class III jobs for the Wards of Ex-Servicemen.

Approved Outlay (in lacs)

1992-93

20.40 (Token Provision)

To increase the employment opportunities, for the wards of ex-servicemen, it is proposed to provide the following facilities at Mohali:—

- (a) Hostel for 100 girls and boys.
- (b) Training facilities for the vocational course such as :—
  - (a) Shorthand and typing (there is acute shortage of well trained typists and stenographers).
  - (b) Accountancy.
  - (c) Banking Clerks.
  - (d) Computer Programming.

During the year 1992-93, an outlay of Rs. 20.40 lacs has been provided.

#### 16.33 Grant to Sri Dasmesh Academe, Anandpur Sahib, District Ropar towards Expenditure on Maintenance and messing charges of beneficiaries.

Approved Outlays (Rs. in lacs)

1992-93  
10.00

The Academy started functioning under aegis of Punjab Defence and Security Relief Fund in the

year 1980. To meet the running expenses of the academy an Endowment Fund of Rs. 1.5 Crore was created and it has been invested in various securities and approximately 23 lakhs is collected as interest out of this amount deposited and is utilised for running the academy.

2. The annual expenditure of the Academy for the year 1991 was Rs. 78 lakhs and for the year 1991-92 it is proposed to be Rs. 82 lacs. There is a shortfall of Rs. 6 lacs in the resources. Already the Governor-in-council has approved payment of Rs. 20 lacs from additional Excise Duty to Dasmesh to raise the Endowment Fund. But there is need to raise it further Academy Trust to make it Rs. 2 Crore so that Rs. 30 lacs can be collected per year as payment of interest and deficit proposed in the budget can be narrowed down. This gap grant to Sri Dasmesh Academy is proposed to be provided on two counts :—

### 1. Enhancement of Dietary Charges

At the moment, the Academy has 489 students out of which 460 students are hostellers. The full benefit is being availed by 259 students and half benefit by 236 students. 60 percent of the intake is wards of serving soldiers and ex-servicemen. The wards of ex-servicemen are not required to make any payment for the admission and education of children in the Academy, whereas the wards of Officer ranks are required to make 50 percent payment and they are termed as half beneficiary. Wards of civilians are required to make full payment. Para-military Forces are also entitled to half benefits and full benefits and the Academy has at present on its role 45 wards enjoying full benefits, and half benefit is given to the ward of one police Officer. The dietary charges fixed are Rs. 14 per student per day and the Academy works for 300 days in a year. The daily messing allowance is too meagre and the boys are undernourished and if they are not given good diet this can lead to undergrowth of the students. For this purpose an outlay of Rs. 5.00 lacs has been provided. The breakup of expenditure of diet and difference thereof is as under :—

Authorised strength of the Academy ..	500 students
60% Reservation for wards of Defence Services Personnel ..	300 students

Full beneficiaries ..	240
Half beneficiaries ..	60
Diet per day/full beneficiaries ..	Rs. 20.00
Diet per day/half beneficiaries ..	Rs. 10.00
<b>Dietary charges for 300 days :</b>	
(a) For full beneficiaries/ day $240 \times 20$ ..	Rs. 4800
(b) For half beneficiaries/ day $60 \times 10$ ..	Rs. 600
Total ..	Rs. 5400
(c) For all beneficiaries for 300 working days $5400 \times 300$ ..	16,20,000
(i) Full beneficiaries for 300 days at Rs. 14 per day per student $236 \times 300 \times 14$ ..	9,91,200
(ii) half beneficiaries for 300 days at Rs. 7 per day per student $23 \times 300 \times 7$ ..	48,300
Total (i) & (ii) ..	10,39,500

Proposed increase in messing expenditure at Rs. 20 per day per student comes to Rs. 16,20,000

Now difference is Rs. 5,81,000 (16,20,000 — Rs. 10,39,500). The annual extra expenditure on the score above will be Rs. 5,81,000.

This Department will only provide Rs. 5.00 lacs and the remaining expenditure will be met by Sri Dasmesh Academy from their own resources.

### (2) Maintenance of the Academy Complex :—

For the regular maintenance of the building an amount of Rs. 5.00 lacs has been provided. Since the campus is spread over an area of more than 200 acres and no adequate provision has been made in the Budget for maintenance purposes.

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme		Annual Plan 1992-93				
		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Of which Capital Content	
1	2	3	4	5	6	
<b>Social Welfare (State Level)</b>						
SW 1.1	Research Training Administration/Conference Workshop	—	5.00	1.00	3.00	—
SW 3.1	Services for Children in need of care (45:45)	—	—	2.18	4.00	—
SW 3.3	Enforcement of Juvenile Justice Act, 1986	—	30.00	30.00	25.00	20.00
SW 3.7	Legal aid/Conselling to deserted Destitute Women (New Programme)	—	—	—	2.00	—
SW 4.2	Share Capital Contribution to PUNWAC (51:49)	40.00	40.00	40.00	50.00	50.00
SW 6.1	Grant-in-aid to Vol. Welfare Organisations	—	—	—	10.00	—
SW 7.1	Grant-in-aid to PGI for Blinds	2.00	2.00	2.00	4.00	—
SW 3.8	Salary Component of Distt. level schemes	—	10.00	2.60	10.77	—
SW 3.7	Export promotion incentive to Women	—	1.00	—	Scheme dropped	
Total		42.00	88.00	77.78	108.77	70.00
<b>Social Welfare Beneficiary Oriented (District Level)*</b>						
SW 4.3 (a)	Capital Subsidy to EWS women under Banktie-up-loans—PUNWAC	24.00	15.00	15.00	5.00	—
SW 12.1	Financial Assistance to Widows and Destitute Women	22.29	65.00	64.12	90.00	—
SW 13.1	Old age pension	78.30	190.00	190.00	145.97	—
SW 11.1	Financial Assistance to Dependent Children	7.16	14.00	14.00	28.00	—
SW 2.2	Supply of prosthetic aid to Handicapped	—	—	—	0.60	—
SW 9.1	Financial Assistance to Disabled persons	4.30	8.00	8.00	15.00	—
SW 10.1 (iii)	Marriage grant for visually Handicapped	—	1.00	0.85	2.40	—
SW 10.1 (iv)	State awards to Handicapped Sportsmen	—	0.50	0.38	1.00	—
Total (a)		136.05	293.50	292.35	287.97	—
<b>(B) Infrastructure Oriented Scheme. (District level)</b>						
SW 3.5	Assisted Home Work Scheme for Children of EWS Women (PUNWAC)	—	2.00	3.20	3.00	—
SW 3.6	Day care centres for children of working women (PUNWAC)	—	12.50	13.75	3.03	—
Total (B)		—	14.50	16.95	6.03	—

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development /Name of the scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	5	
<b>(C) Area Specific (District level)</b>						
SW 3.1 (ii) Setting up of Balgram for orphans & Destitute Children	..	—	4.00	4.00	15.00	—
SW 3.2 Construction of certified school	..	—	—	—	15.00	15.00
SW 10.1 (i) Braille press/library for blinds	..	2.00	15.00	15.00	5.00	5.00
SW 10.1 (ii) Construction of Institution complexes at Ludhiana	..	15.00	15.00	15.00	15.00	15.00
Total (c)	..	17.00	34.00	34.00	50.00	35.00
Total Social Welfare	..	195.05	430.00	421.08	452.77	105.00
<b>Defence Services Welfare:</b>						
<b>(a)</b>						
O.S.W. 1.1 Share Capital Contribution to PESCO	..	24.00	50.00	50.00	60.00	60.00
O.S.W. 1.2 Capital Subsidy to Ex-Servicemen	..	17.46	64.00	64.00	64.00	—
O.S.W. 1.4 Preparation of Ex-Servicemen for self Employment (50:50)	..	—	7.00	7.00	7.00	—
O.S.W. 2.2 Preparing wards of Ex-Servicemen for recruitment in Armed Paramilitary forces	..	6.00	9.00	9.00	12.00	—
Total (a)	..	47.46	130.00	130.00	143.00	60.00
<b>New Schemes</b>						
<b>(b)</b>						
O.S.W. 3.1 Scheme for providing Hostel facilities for entry into various class III jobs for the wards of Ex-Servicemen	..	—	—	—	20.40 (Token Provision)	20.40
O.S.W. 4.1 Grant to Sri Dashmesh Academy Anandpur Sahib District Ropar towards expenditure on maintenance and messing charges of beneficiaries	..	—	—	—	10.00	—
Total (b)	..	—	—	—	30.40	20.40
Total (DSW)	..	47.46	130.00	130.00	173.40	80.40

**CHAPTER XVII**  
**OTHER PROGRAMMES**

**Planning Machinery :**

17.1 The planning machinery in the State has been reorganised. There is a high level State Planning Board with his Excellency Governor Punjab as its *ex-officio* Chairman. Specialists in various subjects are its members. The Secretary Planning is its member Secretary. Besides the house keeping Division, the staff working in the planning Board has been reorganised into the following Divisions for dealing with the different subjects :—

1. Plan Coordination Division ;
2. Local Plan Division ;
3. Special Backward Area Division ;
4. Agriculture and Rural Development Division ;
5. Employment and Manpower Division ;
6. Irrigation, Drainage and Flood Control Division ;
7. Energy Division ;
8. Trade and Transport Division ;
9. Industry and Minerals Division ;
10. Housing and Urban Development Division ;
11. Social Services Division ;
12. Monitoring and Evaluation Division ;
13. Special Component Plan Division.

17.2 The Plan Coordination Division undertake the Coordination Work relating to Planning. All the Divisions consists of Technical Staff and each of these Divisions is to be headed by a Director. An efficient planning Organisation is all the more necessary in the context of growing Punjab Economy and the need for its further diversification. For this purpose, the State Planning Organisation needs the following :—

1. Data processing, maintenance and retrieval equipment ;
2. In-service training in planning techniques and procedures ;
3. Strengthening and Improvement of State Planning Board Library ;

4. Survey and Studies relating to Planning; and

5. Seminars and workshops on State Planning and Participation in Conferences on Planning.

17.3 In order to carry out the above programmes and to implement the following schemes a sum of Rs. 340.11 crores is approved for the annual Plan 1992-93 against the anticipated expenditure of Rs. 286.72 crores during 1991-92.

**PM 1.1. Strengthening of Planning Machinery in the State :**

17.4 This is a continuing scheme introduced during the year 1972. In order to formulate and monitor the State Plans more efficiently, Planning machinery in the state has been strengthened. It is also proposed to create a computer cell, because Planning Department has been declared as a Nodal Agency for introduction of Computerisation in Punjab Government Offices. 2/3 of the total expenditure on these posts will be reimbursed by the Government of India. Besides, the posts already sanctioned will be carried over to 1992-93. A sum of Rs. 30.00 lakhs is approved against the anticipated expenditure of Rs. 20.30 lakhs during 1991-92. In addition to the expenditure incurred on various posts, the provision will also take care of expenditure incurred on rent of the buildings, staff cars etc.

**PM 1.3 Consultancy and Technical Services on Pilot Basis :**

17.5 This scheme has been introduced during the year 1988-89 with a provision of Rs. 1.00 lakh on equal sharing basis with Government of India, in order to entrust studies on pilot basis to various Research Organisations outside the State Government. A sum of Rs. 1.50 lakhs has been approved for the annual Plan 1992-93 against the provision of Rs. 1.00 lakh, 1.50 lakhs and 1.50 lakhs during 1989-90, 1990-91 and 1991-92 respectively.

**PM 1.4 Quick Survey and Studies :**

17.6 A Scheme Quick Survey and Studies has been introduced during the year 1987-88 with a provision of Rs. 1.00 lakh for getting studies conducted from the universities, Punjab State Institute of Public Administration and other suitable agencies. A sum of Rs. 1.00 lakh is approved for the annual Plan 1992-93, against the provision of Rs. 1.00 lakh each for the years 1988-89, 1989-90 1990-91 and 1991-92 respectively.



### PM 1.5 Formulation of District Plan at District Headquarters :

17.7 (i) Planning Machinery at District level has been strengthened during 1987-88 by posting a class I officer in each district with supporting staff. During the last two years of the seventh plan i.e. 1988-89 and 1989-90, untied funds amounting to 5.70 crores and 14.47 crores were placed at the disposal of all the District Planning and Development Boards in the State for incurring expenditure of non-recurring nature in order to bridge the existing gaps and for increasing the effective use of capital assets already created in the districts.

During 1990-91 the various Plan Schemes have been classified into two categories viz. State Sector and District sector on the basis of location and coverage of benefit. The schemes under District sector mainly includes programmes of agriculture and allied sectors, village and small scale industries, rural development, transport, social services etc. A sum of Rs. 255.50 crores was set apart including untied funds of Rs. 24.00 crores for district plan out of total State Plan of Rs. 905.00 crores during 1990-91. The schemes pertaining to different sub-heads of development had been proposed to be included for implementation at grass root level. In annual plan 1991-92, a sum of Rs. 284.03 crores including untied funds of Rs. 24.98 crores were set apart for district plan out of total state plan of Rs. 1010.00 crores. A sum of Rs. 336.78 crores has been approved for the annual plan 1992-93 including untied funds of Rs. 18.18 crores.

### P.M. 1.6 Introduction of Computerisation in Punjab Government Offices :

17.8 This scheme was introduced in the Annual Plan 1988-89 with a provision of Rs. 50.00 lakhs. A provision of Rs. 50.00 lakhs was made for the year 1989-90. An enhanced provision of Rs. 100.50 lakhs & Rs. 200.00 lakhs has been made for 1990-91 and 1991-92 respectively. A sum of Rs. 300.00 lakhs has been approved for the annual Plan 1992-93 to finance new computerisation proposals as well as to meet the spillover requirements of computerisation projects initiated during the previous years. Funds under the scheme would also be required for meeting maintenance costs of the on-going computerisation projects and for engaging/hiring the services of computer professionals in order to run and manage the operationalisation of computerisation projects in hand or to be taken up during the Annual Plan 1992-93 successfully.

17.9 The requirement for the various departments for the purchase of computer hard ware and allied equipment will be met from the funds provided under this scheme. Besides, necessary ancillary items for personnel computers to be provided to senior officers will be funded from this scheme.

17.10 Under the NICNET schemes of the Government of India, Computers have already been installed at all the district headquarters and linked to the NIC Computer Centre at State Headquarters. These Computer Centres have been made functional. NIC have provided the requisite hardware, soft ware

and the technical manpower for these Computer Centres. State Government is bearing the running charges such as electricity/water charges, maintenance and rent of the buildings and also watch and ward staff.

17.11 The department of planning has introduced Computerisation in ten key departments/offices of the Punjab Government under this scheme during the past three years. Proposals for computerisation of other departments are under consideration of the Government. Besides, constituting a State Committee on computerisation to consider approved computerisation projects under this scheme, a NIC-State Co-ordination Committee (NSCC) headed by Secretary, Planning has also been set up to direct and control the activity of NIC in the State and to take care of the computerisation policy of the State, the NSCC has already identified nine major departments of the State Government for Computerisation in the priority areas. With a view to extend the network facility of NIC in the State to the Administrative Secretary of the State Building, Chandigarh. An 'Information Cell' is also proposed to be set-up with NIC assistance at the Punjab Civil Secretariat during the year 1992-93, from the funds provided under this scheme.

### P.M. 1.8 Creation of Special Component Plan Division in Punjab State Planning Board (100% Centrally Aided Scheme)

17.12 The work of formulation, monitoring and reviewing of Special Component Plan for the development of Scheduled Castes has been transferred back to the Planning Department with effect from 4th November, 1988. It has been proposed to create Special Component Plan Division in the Planning Department with following staff :—

1. Deputy Director	1
2. Research Officer	2
3. Technical Assistant	4
4. Jr. Scale Stenographer	1
5. Steno-Typists	2
6. Peons	3

17.13 With this staff Special Component Plan Division will formulate, monitor and review the work of Special Component Plan at State Level. From time to time the staff will go to field to check the implementation of the ongoing SCA/SCP Schemes. Thus need based schemes will be identified and modification and re-orientation of ongoing schemes will be made out of the General Sector Schemes thereby increasing the percentage of flow of funds out of general outlay to Special Component Plan. It is 100 per cent Centrally Aided Scheme. A sum of Rs. 6.00 lakhs has been approved for the annual plan 1992-93 against the provisions of Rs. 6.00 lakhs during 1991-92.

**Department of Programme Implementation (Economic Co-ordination and 20-Point Programmes) :**

**17.14** A Department of Programme Implementation has been set up to monitor and co-ordinate the 20-Point Programme in a meaningful manner. The main object of the programme is to provide greater dynamism to priority areas of national development. The progress of the implementation of this programme is reviewed by State Level/District Level implementation committees of 20 Point Programme and Technology Missions so as to ensure that the programme is implemented in its right earnest and its gains reach to the deserving poor. The monthly progress reports are also furnished to the Govt. of India. At the distt. level, the monthly meetings to review the programmes are arranged by Deputy Economic and Statistical Adviser under the Chairmanship of respective Deputy Commissioner.

**17.15** For this purpose, an independent cell is functioning at Secretariat level to look after this work. The work at the State level is being looked after by the Staff of Planning Department by internal adjustment for the time being. To cope with the increased workload, the following posts have been sanctioned by the Government to formulate and strengthen the 20-point Programme in the State :—

1. Deputy Director	1
2. Research Officer	3

**17.16** A sum of Rs. 4.00 lakhs has been approved for the annual Plan 1992-93 against the anticipated expenditure of Rs. 0.48 lakhs during 1991-92.

**Statistics :**

**17.17** The Economic and Statistical Organisation (ESO) has made good progress in the collection and presentation of data on the State Economy. However, the organisation has to enlarge its activities in several new directions to meet the growing data requirements for planning and implementing departments. The schemes viz. S.T. 1.1 "Purchase of Computer Timings/Installation of Computer System" S.T. 1.4 "Strengthening of District Statistical Offices with Class-I officers and provision of jeeps". S.T. 1.5 "Creation of Price Statistical Cell" and S.T. 1.6 "Strengthening of Evaluation Machinery and Survey and Studies" has been transferred to Non-Plan Budget as per guidelines for the classification of expenditure relating to 8th Five Year Plan. A sum of Rs. 75.00 lakhs has been approved for the annual Plan 1992-93 against the provision of Rs. 15.87 lakhs and Rs. 40.25 lakhs during 1990-91 and 1991-92 respectively in order to implement the following schemes.

**S.T. 1.10 Setting up of a Socio-Economic Research and Analysis Unit :**

**17.18** In order to undertake adhoc analytic studies in respect of important Socio-Economic aspects of the State, it has been proposed to create a Socio-Economic Research and analysis Unit in the

ESO on the basis of these analytical studies, papers/reports will be prepared which will be subsequently published in a biannual Journal to be brought out by this unit. The analytical studies will be undertaken using the Secondary data available in the authenticated publications. The data available from the following sources will be utilised :—

- (i) Data available within the Economic and Statistical Organisation ;
- (ii) Data available from publications of other state Govt. Deptts ;
- (iii) Data available from Publications of other State Govt. Deptts;
- (iv) Data available from publications of the Govt. of India;
- (v) Others, namely Reserve Bank of India Bulletines, CSIR and NCEAR Publications.

**17.19** The adhoc studies with meaningful analysis interpretation of Secondary data available from above mentioned sources will be conducted in the fields of agriculture, industry, employment, state income, price situation, demographic trends, planning taxation budgetary trends etc. These studies will enlighten, the problems and prospects and suggest corrective measures wherever required.

**17.20** The Unit will also be responsible to bring out the Economic Survey of the State which is a budget document. All the technical papers on economic situation in the State required by the Government from time to time will be prepared by this unit. To perform above-mentioned functions, following staff is proposed for this unit :—

1. Joint Director	1
2. Research Officer	4
3. Technical Assistant	4
4. Investigators	4
5. Jr. Scale Stenographer	1
6. Steno-Typists	4
7. Peons	5

**17.21** A sum of Rs. 7.54 lakhs is approved for the annual Plan 1992-93 against the provision of Rs. 5.64 lakhs during the 1990-91 and Rs. 7.11 lakhs during 1991-92.

**S.T. 1.11 Preparation of Input-Output Table for the State.**

**17.22** In order to prepare input-output table for the State, it has been proposed to create a new section in the ESO. Input-Output table provide useful information about the interdependence among various Industrial Sectors and it presents profile

of productivity process by linking various sectors of the economy through the said interdependence. The degree of interdependence of sectors or industries within an economy can be brought out by proper input-output analysis. Besides setting consistent plan targets some other Planning problems can be solved with the help of input-output model e.g. for fulfilling given final demand, an inter-industry transaction target and the corresponding employment levels can be determined. In addition to primary input requirements other than labour employment can also be estimated when final demand and inter-industry demand targets are given. These can also be used for regional Planning and transportation decisions as well as in the matters of location choices. State Government will be in a position to prepare plans of Punjab state on the basis of sound technical co-efficients like input-output ratios. Such ratios can be available only if an input-output table is attempted for the State.

**17.23** Input structure for primary and territory sectors alongwith community-wise details of various final demand sectors and an direct taxes would be compiled from the details available in the work sheets of State Income estimates, State Budget, ASI data, NSS data, Annual Accounts of Corporations and Boards and reports of relevant surveys and studies by different organisation/institutions etc. Such a sectors for which the data will be collected from different sources and compiled after scrutiny. A sum of Rs. 5.75 lakhs has been approved for the annual Plan 1992-93, against the provision of Rs. 5.60 lakhs and Rs. 5.62 lakhs during the year 1990-91 and 1991-92 respectively. In order to implement this scheme the following staff is proposed:—

1. Deputy Economic & Statistical Adviser	1
2. Research Officer	2
3. Technical Assistant	6
4. Investigator	6
5. Jr. Scale Stenographer	1
6. Steno-typist	1
7. Peons	3

**S.T. 1.12 Strengthening of the National Sample Survey Unit.**

**17.24** The National Sample Survey Unit came into existence in the Punjab State during 1958-59. There are 8 NSS Centres in the State manned by 32 Investigators, 8 Statistical Assistants and 2 Scrutiny Inspectors. In order to properly handle the increased workload, intensive supervision and checking of the work of investigators to ensure the quality of the data at the field level as well as at the scrutiny level at Headquarters has become necessary. In order to strengthen the existing programme the following additional staff is proposed:—

1. Research Officer	1
2. Technical Assistant/ Scrutiny Inspector	2

3. Statistical Assistant	1
4. Steno-typist	1

A sum of Rs. 2.36 lakhs has been approved against the provision of Rs. 1.96 lakhs during 1991-92.

**S. T. 1.13 Setting up of Statistical Machinery at Sub-Divisional Level :**

**17.25** In order to collect the qualitative and reliable data at the grass root level required for the formulation of District Plans, it is proposed that one Technical Assistant and one Investigator be posted at each sub-division in the State. This Statistical Office at sub-division level will be responsible for collecting the data required for the formulation of District Plan and scrutiny of data collected through investigators posted in the blocks falling under the sub-division. This statistical office at sub-division level will work under the control, guidance and supervision of Deputy Economic and Statistical Adviser of the concerned district. A sum of Rs. 30.87 lakhs is approved for the annual plan 1992-93 against the provision of Rs. 25.56 lakhs during 1991-92.

**S. T. 1.14 Conduct of Third Economic census Survey (100% centrally aided Scheme)**

**17.26** The Central Statistical Organisation, Government of India is organising an Economic Survey 'Economic Census' 1990 in all the States of India. The aims and objectives of this centrally sponsored scheme is to fill up the data gaps i. e. to collect basic information on the distribution and economic characteristics of establishments in the unorganised sector of the economy covering unregistered manufacturing, trade, transport, construction and services etc.

**17.27** This is a purely 100% Centrally sponsored scheme. For this purpose, for guiding and supervision the works of this scheme, the following staff has been provided by the Government of India.

1. Joint Director	..	1
2. Research Officer	..	1
3. Technical Assistant	..	2
4. Statistical Assistant	..	5
5. Jr. Scale Strnographer	..	1

**17.28** This is purely 100% Centrally sponsored scheme. An expenditure of Rs. 1.98 lakhs has been incurred during 1990-91 against the provision of Rs. 10.63 lakhs. An amount of Rs. 12.76 lakhs has been provided for the year 1991-92. A sum of Rs. 0.10 lakh is approved for the year 1992—93.

**S. T. 1.14. Estimates of District Income of Punjab :**

**17.29** Income estimates at district level have assumed a special significance, keeping in view the setting up of district level planning committee by

the State Government to formulate a long term district plan to evolve a short term strategy for Planned development of the districts.

17.30. The composite estimates of State income at the state level does not reveal whether the benefits of development have been evenly distributed among the districts or not. District Income estimates throw light on the regional development of the economy. These estimates are useful to study the inter-sectoral and inter-district economic imbalances and help in removing such disparities. These estimates help in drawing a suitable Planning Programmes in measuring the effects of their implementation. Thus they may prove very useful for formulation, reviewing and implementation of broad policy objectives.

In order to prepare adequate, reliable, timely and firm estimates of District Income. The following staff is proposed for this scheme.

1. Joint Director	..	1
2. Senior Scale Stenographer		1
3. Research Officer	..	12
4. Technical Assistant	..	12
5. Steno typists	..	12
6. Peons	..	13

17.31. Keeping in view the quality of data required, the job will be entrusted to the Technical Assistants. This work will be supervised by the one Research Officer each at district level. One post of Joint Director is required to co-ordinate and maintain liaison at state Headquarter.

The scheme will extend over a period of five years. The estimates will be regularly compiled, tabulated and analysed in this period.

Sum of Rs. 21.00 lakhs is approved for the Annual Plan 1992-93.

#### S.T. 1.15 Strengthening of Ministerial staff at Head-quarter :

With the implementation of various plan schemes during the Fifth, Sixth and Seventh Plan, and day today increase in the Ministerial work the department is not in a position to cope with ministerial work smoothly with the present sanctioned strength. In order to cope with the additional work of establishment relating to Technical staff sanctioned during Sixth, Seventh Plan, the following additional staff is proposed:

1. Establishment officer	..	1
2. Superintendent Grade	..	1
3. Senior Assistants	..	5
4. Clerks	..	4

5. Steno-typists	..	2
6. Photocopier Machine Operator	..	1
7. Assistant Librarian	..	1
8. Peons	..	2

An outlay of Rs. 7.48 lakhs is approved for the annual Plan 1992-93.

#### Public Works :

17.32 Many Government Administrative/Office building particularly at District/Tehsil and Local levels are in a bad shape, there is also an urgent need for the construction of new courts. Buildings circuit houses/guest houses are needed, keeping in view the need to improve the administrative efficiency, adequate importance has been given to this Sub-head. The strategy of development under this programme will be to give top priority for starting new works as follows :—

- (i) Offices which are located in dilapidated buildings and have been declared unsafe for habitation.
- (ii) For Offices which have already lard in possession for this purpose.
- (iii) The Offices which are located in rented building and are not suitable for office accommodation.

In order to undertake the Construction of Office buildings, an outlay of Rs. 12.00 crores has been provided for the Sub-head 'Public Works' during 1992-93.

#### Administrative Complex :

17.34 The State has three Division, 14 Districts, 46 Sub-Divisions and 48 Sub-Tehsils for the convenient of public. It has been decided to construct all Government Offices and Courts in a town at one place wherever possible.

During the 7th Five-Year Plan (1985-90), an outlay of Rs. 600.00 lakhs was provided to complete the construction of spill-over work and for Construction of 11 Administrative Complexes. During 7th Plan an expenditure of Rs. 705.33 lakhs was incurred for the early completion of spill-over work and for taking up construction of new works.

It was decided to construct 5 Liquor Vends with Ahatas in the rural areas in the State. A sum of Rs. 525.00 lakhs was expended during 1990-91 Rs. 545.00 lakhs has been provided for the District Complexes and Rs. 55.00 lakhs for the construction of Excise and Taxation Buildings for 1991-92. An expenditure of Rs. 29.35 lakhs was incurred during 7th Plan for the Construction sales Tax check barrier.

During 1992-93, an outlay of Rs. 521.00 lakhs has been provided for construction of Administrative Complexes.

#### **Strengthening of Revenue Administration and Updating of Land Records :**

17-35 Land Administration in Punjab needs a Special attention to update it in a proper manner. Keeping in view this importance GOI have launched a Centrally-sponsored scheme on 50 : 50 sharing basis in the country. Under this scheme, Government of India has already sanctioned on a matching basis grant of Rs. 3.25 crore for strengthening of revenue administration and updating of land records in the State. Sanction for spending about Rs. 2.00 crores has already been received while sanction of the technical committee for the remaining amount of Rs. 1.25 crores is still awaited from Government of India. Our Patwaries and Kanugos have practically no survey equipment, because it was last provided to them about 45 years ago. Under this scheme, survey equipment will be provided to the field staff, 20 plain Photo copies, one Mini-Bus for the Patwar Training School, 59 vacuum cleaners, 2 GIMS for resurvey, one cartometer, one rissograph, 13 laminators, 13 automatic book binders, 2 automatic ferro-printing machines in addition to other material and equipment, useful for accurate measurements and maintenance of records, will be procured and supplied to the field staff.

17-36 An outlay of Rs. 100.00 lakhs has been provided during 1992-93 as a State share under this 50:50 basis Centrally sponsored scheme.

#### **Construction of Kanungo Circle Record Room-cum-Offices :**

17-37 In January, 1984, a seminar was sponsored by the Ministry of Agriculture and Rural Development, Government of India, at the National Institute of Rural Development, Hyderabad for reviewing the existing procedure for bringing the land records up-to-date and for collection of statistical information. At present, the Kanungo supervises about 14/15 patwar circles which makes the area quite large and unmanageable because of which the Kanungo Patwari ratio is likely to be decided as 1 : 10. At present, the number of Kanungo Circles is 310 and with the new formula, this number will go up to about 465.

17-38 A Centralised Patwar Khanna may have a record room, a big hall, one room for a photocopier alongwith facilities for public convenience. With this system, all patwaries in a particular Kanugocircle will be available on fixed days in the centralised patwar Khannas with documents because a Clerk is also proposed to be provided in such an Office for issuing photocopies and doing other clerical jobs.

17-39 During 1992-93, an amount of Rs. 86.00 lakhs has been provided to construct 17 such complexes in the State with an estimated cost of Rs. 5.00 lakhs per complex. Some of Patwar Khannas already constructed in some Patwar circles will be vacated for its utilisation for other departments for a village libraries.

#### **Courts :**

17-40 The condition of court buildings in the State is very poor. Some of which have been declared unsale by the PWD. An outlay of Rs. 70.00 lakhs was provided for the completion of 4 spill over works and for undertaking construction of 3 new court complexes and for providing additional accommodation for the additional judicial Officers to be appointed during the 7th Five-Year Plan. Against this an actual expenditure incurred is Rs. 56.23 lakhs during 7th Plan for the Courts. During 1985-86, an expenditure of Rs. 11.16 lakhs was incurred for the completion of 2 spill-over works and for undertaking 2 new works, An expenditure of Rs. 21.07 lakhs was incurred during 1986-87. During 1987-88 an expenditure Rs. 15.00 lakhs was incurred only for the spill over works. An outlay of Rs. 30.00 lakhs was provided during 1989-90 for this purpose. An outlay of Rs. 40.00 lakhs was provided for the completion of spill-over works & for taking up new works during the year 1990-91. An outlay of Rs. 75.00 lakhs was provided for courts during 1991-92. A sum of Rs. 100.00 lakhs has been provided for Annual Plan 1992-93 for the completion of spill-over works

#### **Circuit Houses and Rest Houses :**

17-41. An outlay of Rs. 250.00 lakhs was provided for this scheme during the 7th Five Year Plan (1985-90) against this an expenditure of Rs. 110.63 lacs incurred for Circuit-houses/Rest houses.

An outlay of Rs. 85.00 lakhs was provided during 1991-92 to complete the spill-over works and for new works. An outlay of Rs. 90.00 lakhs has been provided to complete the spillover work of circuit house/rest-houses during 1992-93.

#### **Mini Secretariat Building at Chandigarh**

17-42. To reduce congestion in the Secretariat and to provide accommodation to Secretariat Branches which are functioning in the private buildings outside the Secretariat buildings, it was decided to construct Mini Secretariat Building. Land for this purpose was got allotted from the Chandigarh Administration. The construction work on Block 'A' & 'C' has partially been completed and the work on Block 'B' was to be initiated during 1987-88. An expenditure of Rs. 8.00 lakhs was incurred for completion of spill-over works during 1985-86. During 1986-87, an expenditure of Rs. 1.23 lakhs was incurred for the payment of instalment of land. The liabilities on account of payment of instalments of plot to be paid to the Chandigarh Administration and Construction of Block 'A' and 'C' were also met out of it. An outlay of Rs. 10.00 lakhs was provided for this project for the year 1989-90. During 1990-91, an outlay of Rs. 75.00 lakhs was provided for the construction of Block 'B' of the Mini-Secretariat Building at Chandigarh. The cost of the project is Rs. 480.00 lakhs out of which Rs. 200.00 lakhs is provided for the Annual Plan 1991-92.

During 1992-93, an outlay of Rs. 183.00 lakhs has been provided to complete this spill-over work in order to avoid cost escalation charges.

#### Police Stations :

17.43. The Police Station is the hub of all Police activity from where the Policemen move out for taking action against criminals and return. But while being inside the Police Station, they should feel safe and secure against any danger from outside. The old dilapidated buildings not only pose a danger to the lives of those working inside but are also a positive risk for the arms/ammunition stored inside such buildings. Similarly rented buildings have been improved to run a police station but these are not according to Police pattern requirements. Out of 216 Police Stations, 20 are at present housed in unsafe buildings, 30 are functioning in rented buildings. Similarly a number of administrative buildings such as Police Lines at Majitha, Tarn Taran, Batala and Kapurthala, 10 Police Telecommunications Centres in Police Offices of DISG Border Range, Jalandhar Range, Ferozepur Range and Patiala Ranges need immediate attention.

17.44. During 1992-93, an outlay of Rs. 120.00 lakhs has been provided for construction of Police Stations under this scheme. The work-wise allocation is as under :—

	(Rs. in lakhs)
	Outlay, 1992-93
1. For taking up construction of new PS building at P.S. Ropar, PS Division No. 3, Ludhiana, PS Goindwal and PS Kotwali, Patiala	36.30
2. For the completion of on-going P.S. building with PPHC/PWD	20.00
3. For the purchase of new lands for Police Stations	10.00
4. For taking up construction of new Police Lines at Majitha, Tarn Taran and Kapurthala	30.00
5. Construction of Telecommunication Centre in Police Line, Ropar	20.00
6. Construction of 6 Kennels and office for dog squad in Police Lines, Patiala	3.70
<b>Total</b>	<b>120.00</b>

#### Jails :

17.45. In order to improve the conditions in the Jails in Punjab, the Government has decided to construct new Jails and to provide basic amenities of life in existing Jails e. g. modernisation of Punjab Prisons with modern amenities such as flush latrines, etc. During 7th Five Year Plan, an outlay of Rs. 500.00 lakhs was provided for completion of 6 spill-over works and for undertaking construction of new works. The actual expenditure incurred was Rs. 579.08 lakhs for Jails during 7th Plan. A sum of Rs. 375.00 lakhs has been provided during 1991-92.

In order to execute the on-going works an outlay of Rs. 270.00 lakhs has been provided for the Annual Plan, 1992-93.

The Details of works are given as under :—

Sr. No.	Head of Development	(Rs. in lakhs)	
		Annual Plan 1992-93	
		Approved Outlay	Of which capital content
1	2	3	4
<b>JAILS :</b>			
<b>Spill-Over Works :</b>			
1.	Construction of New Central Jail, Ludhiana	100.00	100.00
2.	Construction of Open Air Jail, Kapurthala	20.00	20.00
3.	Construction of District Jail, Ropar	50.00	50.00
4.	Construction of Staff Quarters at Amritsar/Ferozepur	45.00	45.00
5.	Construction of Sub-Jail, Barnala	50.00	50.00
6.	Drinking Water Supply at Jails	5.00	5.00
	<b>Total</b>	<b>270.00</b>	<b>270.00</b>

## PRINTING AND STATIONERY

(Rs. in lacs)

Name of the Sub-head	7th Five Year Plan 1985-90		1991-92		Approved Outlay
	Outlay	Exp.	Approved outlay	Exp.	1992-93
1	2	3	4	5	6
Printing and Stationery	300.00	293.03	225.00	200.35	808.50

17.46 Against an outlay of Rs. 225.00 lacs for the year 1991-92, a sum of Rs. 808.50 lacs have been approved for the year 1992-93. The schemewise detail is given below :—

**P.T. 2.2 Machinery and Equipments for Govt. Press, S.A.S. Nagar (Mohali)**

17.47 Government Press at S.A.S. Nagar Mohali was set up in the year 1983 for printing out good quality and prestigious publications like magazines, periodicals, calendars/delux diaries, posters etc. But still some important works like printing of Sale Tax Forms, Bus tickets are got done from private presses. A sum of Rs. 76.00 lacs was provided in the plan scheme P.T.2.1. during 1990-91 for purchasing a new Ticket Printing Machine but during the course of discussion with the planning commission for finalizing annual plan for 1991-92 the department proposed to purchase a Multipurpose Zero-Error Machine for Govt. Press at Mohali instead of going in for an additional ticket printing machine. The proposed machine will handle multi-coloured jobs, printing of additional bus tickets, State lottery tickets, sale tax forms, various magazines, posters, bollots papers, pamphlets, hand bills etc., which are now being got done from the private presses. The machine will not only speed up the work of high quality printing but also undertake printing jobs involving secrecy and confidentiality. A sum of Rs. 531.25 lacs will be required to purchase this imported machine during the year 1992-93 after obtaining necessary licence for import with the introduction of this machine it will decidedly revolutionise the entire printing process in the deptt boosting its production in order to meet the requirements of Govt. deptts. in order to meet Besides, it is proposed to purchase some more printing machines like automatic reel lifter trolies, Laser Printing Machine, Thread sewing Machine, stitching machine and automatic cutting machine simultaneously during 1992-93 and a spiral binding during the succeeding year.

A provision of Rs. 550.00 lacs has been made under this scheme for the year 1992-93.

**P.T. 2.3 Additional Staff and Material required to run the Govt. Press S.A.S. Nagar. (Mohali)**

Govt. Press at Mohali has been functioning since 1983 with the skeleton staff. To start with only 15 posts were sanctioned by Government in 1980.

Subsequently Govt. accorded sanction for the creation of 116 more posts making a total of 131 posts. The Deptt. has filled up only 75 posts when the Govt. imposed ban on filling of unfilled posts. Thereafter in 1984-85 the Govt. accorded sanctioned for continuation of only filled 75 posts. Two more were sanctioned in 1987-88. In this connection it is mentioned that Planning Deptt. cleared a proposal of the Deptt. for creating 71 posts in Feb 85. But sanction to the creation of these posts has not been received from the Govt. In addition to these 71 posts 14 posts are also required to operate the machinery already purchased. Thus in all 85 posts are urgently needed for the existing machinery to cope with the increased volume of printing work.

17.49 It is therefore, necessary to make adequate provision for staff for the proposed machinery as well. Apart from this, more material for printing such as paper, inks, chemicals etc. are also required to feed Multipurpose Zero Error Machine having 1.20 lacs impressions per day and other machines. The amount required for salaries and other connected expenditure on this staff & for the purchase of the material during the year 1992-93 is estimated as Rs. 156.48 lacs.

**P.T. 3.1 Construction of parallel block to the existing block and provision of staff quarters and other works at Govt. Press S.A.S. Nagar, Mohali**

17.50 In the existing block there is no space available for installation of the proposed Mutli Purpose Zero Error Machine as well as other machinery to be purchased in the plan period. In view of this requirement a new block of building parallel to the existing block towards Chandigarh—Ropar Road with a provision of hasement having storage space of about 1000q. feet three No's halls, rooms for the officer/ministerial staff, is proposed to be constructed. A sum of Rs. 79.62 lacs had been provided in the plan 1991-92. The construction cost of this block was estimated to be Rs. 90.97 lacs last year which is bound to increase. Besides, it is proposed to install a Mutlipurpose Zero Error Machine during 1992-93, which will require air conditioning of the building before the machinery is put to use.

In addition of this the existing block requires a security cover by providing grills to safeguard our stocks and materials from any mishap/pilferage under the prevailing law and order situation of the State.

17.52 In order to meet the spill over expenditure on the parallel block, grills on the existing block and air conditioning of new block in the plan 1992-93, a sum of Rs. 75.00 lacs has been provided.

### P.T. 3.1 (A) Construction works for Govt. Press Patiala

The following construction works for Govt. Press Patiala are pending since long due to paucity of funds—

1. Construction of covered Hall for storing waste paper & trimming etc. Rs. 5.00 lacs
2. Construction of Boundary wall around the press residential colony Rs. 5.50 lacs
3. Providing Tarfelt treatment on folded roofs of different halls in the press Rs. 14.35 lacs

Construction of covered hall for storing the waste paper and trimming etc. is urgently required within the premises of the press because such wastage is collected for periodical auction for fetching good amounts. At present most of the wastage gets spoiled and possibility of any mishap/danger by way of catching fire incidently cannot be ruled out. Construction of boundary wall around the press residential colony is over due and is necessary to avoid possibility of its encroachment unauthorisedly. Besides Press Karamchhari workers Union is pressing for construction of boundary wall. Tarfelt treatment of roofs of different halls is dire necessity because the roofs start leaking during rainy season spoiling stored chemicals, paper electric installations, machines etc.

As such a provision of a sum of Rs. 24.85 lacs has been made during the year 1992-93.

### P.T. 3.2 Apprenticeship training for repair of Typewriters.

17.54 This scheme was started in the year 1975-76 under the State Employment Promotion Programme with the object of making available Typewriter Mechanics subsequently to be absorbed in Govt. Department or opening of their own Typewriting venture to earn livelihood after completion of training. This scheme has proved very useful and so far 77 persons have been trained as Typewriter Mechanics. Out of these 22 mechanics have been employed in the Punjab Government services and most of the remaining have found employment elsewhere or have started their own workshops. Each apprentice is given Rs. 200 per month as stipend. In this connection it is mentioned that the ITI's & Poly-Technics of the State Government do not have any course for training of Typewriter Mechanics. This scheme, is, therefore, the only source of making available such mechanics for

absorption in Government Services and in the market. Hence its continuance is very necessary. However, the present rate of stipend is Rs. 200 per month is too meagre to meet the bare expenses of the trainee. Besides this a kit having operational tools is also required to be provided to each trainee. It is proposed that each trainees should be given stipend of Rs. 500 per month and a tool kit costing about Rs. 500 each. This scheme is required to be continued. Under the scheme 25 typewriter apprentices are to be imparted training every year. During the year 1992-93 a sum of Rs. 1.62 lacs is provided under this scheme.

### P.T. 3.3 Instructor for imparting training to the Apprentices.

17.55 Uptill now the work relating to imparting training to apprentices is being carried out by the Head Mechanic of the Central Typewriter Workshop, Punjab Chandigarh. But by opening Typewriter Workshop at each District Headquarteres and the State Capital the work in the Central Typewriter Workshop has increased manifold. It is, therefore, necessary to have one post of instructor in the scale of Rs. Rs. 1200—2100 in order to impart training to Apprentices at Chandigarh and to boost the avenues of self-employment and also to remove the future scarcity of Typewriter Mechanics. His services will also be utilised to hold refresher courses for our mechanics to reorient their knowledge and skill. Besides, it is necessary to create one post of peon in the scale of Rs. 750—1300 (initial start of Rs. 770). As such during the year 1992-93 a sum of Rs. 0.55 lacs is provided under this scheme.

### Administrative Training Institute (PSIPA)

17.56 The Punjab Institute of Public Administration has been functioning in a rented building at Chandigarh since its inception in March, 1978. A well located campus with all facilities will go a long way toward making the Institute a training centre of excellence. U.T. Administration has allotted Plan of 5820975 Sq. Yd. Plot at the rate of Rs. 60 per Sq. Yds. at a total cost of Rs. 34.93 lacs in August, 1988 in Sector 26, Chandigarh for setting up of campus of PSIPA to house the administrative block, faculty room, Syndicate rooms library and conference hall, Class rooms and examination hall and hostel, lawns and playgrounds etc. Rs. 34.93 lacs has been paid to the U.T. Government as price of land. In built area requirement are:—

—Academic complex	..	1,55,928 Sq ft.
—Library and documentations block	..	30,373 Sq ft.
—Estate Office block	..	31,000 "
—Administrative block	..	11,704 "
—Central Seminar and conference block	..	13,000 "
—Sports and other utility block	..	26,875 "



—Garages and Workshop ..	18,125	"
—Warden's Office, Hostel and mess for 400 officers and circulation space.		

The requirements for the project comes to Rs. 1300.00 lacs as detailed below:—

	Rs in lacs
—Cost of development of 12 acres of land ..	60.00
—Cost of construction of campus ..	1040.00
—Cost of furniture for campus/Library ..	200.00
<b>Total ..</b>	<b>1300.00</b>

An outlay of Rs. 195.33 lacs have been provided to take up construction of Adm. Wings, one faculty wing and block of Hostel.

17.57 Assistance to State Training Institute for Training in District Planning :

Approved Outlay	Approved outlay (in lacs)
1991-92	1992-93
5.00	6.19

A Plan scheme "Assistance to State Training Institute for Training in District Planning" on 50:50 sharing basis was inducted during the year 1990-91 with a view to impart training to the District Level officials Sarpanches/Panches to—

- To create awareness about the problems and prospectus of planning at District level.
- To provide knowledge on project planning relevant at District Level.
- To develop the skills and aptitude for preparing District Plan.

The Staffing Pattern and its position is as under :—

S. No.	Designation	No.	Annual Phasing		
			1990-91	1991-92	1992-93
1	Senior Fellow	1	1	—	—
2	Fellow	2	—	1	1
3	Assistant Fellow	4	2	1	1
4	Research Assistant	2	2	1	—

5	Senior Scale Steno-grapher	1	—	—	—
6	Junior Scale Steno-grapher	1	—	—	1
7	Steno-typist	1	1	—	—
8	Peon	2	—	2	—

<b>Total</b>		<b>14</b>	<b>6</b>	<b>5</b>	<b>3</b>
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2. The detail of annual funds and No. of training programmes proposed to be held during the year are as follows :—

Year	Amount (in lacs)	No. of training programmes to be held.
1992-93	6.19	20

### 3. New Schemes :

17.58 To strengthen the capability of the State Government Officers/Officials and to enable them to handle the Government Jobs efficiently and effectively, the Institute has proposed to undertake 2 new training Programmes "Training for Gazetted Officers and Non Gazetted Officials." These Programmes will be conducted according to the training needs required at various junctions i.e. at the time of recruitment and promotion etc.

#### (a) Training Programmes for Gazetted Officer :—

Under this programme there will be Induction Training Programmes for freshly recruited/promoted officers. In addition to these programmes it is also proposed to conduct the refresher training programmes and mid-career training programmes for officers. Under the above said Programmes, more than 15,000 Officers will be benefitted every year. To conduct these programmes it is proposed to open 9 independent divisions one each in the following fields.

- Management and Public Administration ;
- Finance, Banking and Economic Services ;
- Rural Development ;
- Urban Administration ;
- Industries, Projects & Engineering Service ;
- Revenue & Taxation ;
- Social Services ;
- Law and
- Science, Technology & Environment.

17-59 Each academic division will be led by one senior fellow who in his academic tasks comprising of Training Programme, Research Projects, consultancy, soft-ware and case studies will be assisted by two fellows, three associate fellows, two Research-cum-Teaching fellows, three Research-cum-Teaching Assistant, one Private Secretary-cum-Superintendent, two Senior Scale Stenographers, three Junior Scale Stenographers, two Peons, two Sweepers and one Mali. Besides it is proposed to open well equipped and properly staffed library for re-orientation programmes.

Detail of proposed annual expenditure and No. of academic divisions to be opened is as under :—

Year	Amount (in lacs)	No. of academic divisions
1992-93	5.00 lacs	3

An outlay of Rs. 5.00 lacs has been provided for the year 1992-93.

**(b) Training for Non-Gazetted Officers :—**

17-60 This programme aims at imparting training, research, consultancy and case studies activities at district level for Class III and IV employees of the State. It is proposed to open 3 District Training Centres at District Headquarters. Each Centre will consist of one fellow, two Associates fellow, two Research-cum-Teaching Assistance, two Senior Scale Stenographers, two Clerks and two Peons. Initially only one District training Centre at Patiala will be set up. Every year 20,000 Class III and IV employees will be benefitted. The proposed annual expenditure per District Training Centre for the staff component comes to Rs. 5.00 lacs. In addition to Salary the following expenditure is proposed :—

—	Library	1.00 lacs
—	Rent, rate, taxes	1.50 lacs
—	Misc. i.e. Training material stationary, T.A., D.A., Medical, Telephone, Postage etc.	2.50 lacs.

Year	Amount (in lacs)	No. of district Centres to be opened
— 1992-93	10.00	1

Accordingly a sum of Rs. 10.00 lacs has been provided for 1992-93.

**Civil Supplies :**

17-61 Consumer Protection Act, 1986 envisages for the setting up of Consumer Protection Councils in the State to—

- (i) Protect the Consumers against marketing of goods which are hazardous to life and property ;

- (ii) disseminate the information in respect of quantity, quality and prices of goods ; and
- (iii) Provide an effective and speedy redressal to the Consumers in the matter of mal-practice and defective goods and services.

17-62 Under the Section 9 and 16 of the Act, the State Commission and district forums have been notified by which President of the State Commission has been taken on whole time basis and its two members have been taken on part-time basis and the Presidents and members of District forums have been taken on part-time basis.

17-63 The Deputy Advisor of the Planning Commission who was incharge of the working Group for the formulation of 8th Five-Year Plan 1990—95 and Annual Plan 1992-93 in the meeting held in the Yojna Bhawan, New Delhi on 16th November, 1990 has made it clear during the discussions that the Planning Commission have taken a decision that the expenditure on machinery for the enforcement of Consumer Protection Act, 1986 being of administrative nature, should be met out of Non-Plan Budget. The decision taken by the Planning Commission is as under :—

“No provision is made for consumer Protection Act as is purely a Staff—oriented scheme for the implementation of administrative measures of an Act taken up during the 7th Five-Year Plan. However, funds are recommended for establishment of testing Laboratories Assistance to Voluntary agencies and purchase of Capital equipment such as Xerox machines etc. Funds for the staff should have to be provided by the State/U.Ts on the Non-Plan side”.

During the year 1992-93, Rs. 7.70 lacs have been provided by the department, the details are as follows :—

- |   |             |
|---|-------------|
| (i) Establishment of testing Laboratories                     | } 7.70 lacs |
| (ii) Publicity to Consumer awareness                          |             |
| (iii) Assistance to Voluntary Agencies                        |             |
| (iv) Purchase of Capital equipment such as xerox machine etc. |             |

The other details will be supplied by the department.

**Information and Publicity :**

Public Relation Department is engaged in the task of publicising the achievements and other developmental activities of the state through the media of press, literature, films, exhibitions, conferences light & sound, Television, Song & Drama and All India Radio. The State is passing through un-certain law and order situation due to anti-national & anti-social actions of the terrorists and extremists and also the religious fundamentalism. The Public relation Department has very vital role to play in these circumstances. To make best and proper use

of the various medias, the department has proposed to undertake the following programmes during annual plan 1992-93 at a cost of Rs. 231.00 lacs. Anticipated expenditure for 1991-92 is Rs. 195.25 lacs.

#### **IP 1.1 Purchase and Production of Films :**

This scheme has a far reaching impact on the masses and due to new technology which has been introduced, it becomes necessary to procure modern equipments i. e. High Bank Video Camera with inbuilt tape-recorders and 1/2" Video Cassette instead of U-matic Cassette of size 3/4" accessories, with the help of these equipments the department will be able to produce new tracks, Feature Films and V. H. S. Cassettes etc. In addition to the above, the department intends to set-up a video recording studio for which 4 High Bank Cameras, Sungus 50 of mixing channel for audio effects, mixing channel for video effects, Control panel for Video/Audio mixing Tape recorder for Audio effects, V. C. R. for high Bank Camera, Equipment for pre-recorded sound and monitor/effects creating equipments etc. are required. An allocation of Rs. 15.00 lacs has been made for this purpose for annual plan 1992-93.

#### **IP 2.1 Display Advertisement :**

An outlay of Rs. 20.00 lacs has been proposed for the annual plan 1992-93 for the scheme Display Advertisement to enable the department of public relation to give intensive publicity through this media on various development programmes and policies of the State Government by issuing advertisements through newspapers/magazines.

#### **IP 2.3 (i) Field Publicity :**

To create link between Government and people, the Public Relation department has set up 32 sub-centres at sub-division level comprising of mobile camera unit and information centre. Now, only 14 sub-divisions remain to be provided with sub-centres so that all the 1000 old villages falling in these sub-divisions could be covered under this programme. It is, therefore, proposed to set up 5 such sub-centres during 8th plan period. For this purpose an outlay of Rs. 30.00 lacs has been provided for annual plan 1992-93. An anticipated expenditure the year 1991-92 is Rs. 23.45 lacs.

#### **IP 2.3 (ii) To Mobilise public opinion against terrorism :**

An outlay of Rs. 100.00 lacs has been provided for annual plan 1992-93 to mobilise the public opinion against terrorism and for combating the antisocial and antinational propaganda of antinational and religious fundamentalists in the state. An anticipated expenditure for 1991-92 is Rs. 92.90 lacs.

#### **IP 2.4 Song and Drama Services :**

The media of Song and Drama Services makes a useful impact on the masses. Under this programme a provision of Rs. 8.00 lacs has been made for annual plan 1992-93.

#### **IP 2.6 Purchase & Production of literature :**

Public Relation Department publishes 4 monthly magazines namely Advance (English), Jagriti (Hindi) and (Punjabi) and Pasban (Urdu) besides folders, pamphlets, posters, diaries, calendar and also purchases books on various developmental, social, economic activities of the State. The department proposed to strengthen the wing by providing additional staff/manpower. An allocation of Rs. 6.00 lacs has been made for annual plan 1992-93 for this purpose.

#### **IP 2.9 Exhibition including Exhibition Board :**

For displaying in the India International Trade Fair, held every year at Delhi, the industrial as well as Agricultural inputs, the department has to pay Rs. 20.00 lacs every year for renovation and participation in the above fair. In addition, for organising exhibitions within the state and out of the state. An allocation for this purpose for annual plan 1992-93 is 25.00 lacs. Anticipated expenditure for 1991-92 is 25.00 lacs.

#### **IP. 2.10 Wall Painting and Hoardings :**

Under this programme it is proposed to set up hoardings at prominent places in the state and affix bus panels on vehicles of the Punjab State Transport & Pepsu Roadways Transport Co., depicting national unity & integrity, communal harmony and slogans in addition to wall paintings.

For this purpose an outlay of Rs. 1.50 lacs has been provided for annual plan 1992-93.

#### **I.P. 2.11 Purchase of Books for Library at Head Quarters :**

The reference library set up at the H. Q. for use of officers of the department, while preparing press notes/articles/messages etc. is required to be equipped with latest reference books. For which a sum of Rs. 0.75 lacs has been provided for annual plan 1992-93.

#### **I.P. 2.12 Feed Back Study :**

Due to communication gap & lack of proper planning the results of various publicity activities could not be monitored in a proper way. Thus, in order remove the lacuna and also to keep the Government informed regularly about the affects of Government Publicity, some regular survey is necessary. For this purpose a sum of Rs. 0.75 lacs has been provided for annual plan 1992-93.

#### **I.P. 2.13 Strengthening of Department of Public Relations :**

The Director Public Relations remains busy in publicity activities and cannot afford full attention to the office work, therefore, some posts to strengthen the department are required in addition to the strengthening the Technical wing of the department for which an allocation of Rs. 1.00 lacs has been made for annual plan 1992-93.

**I.P. 2.14 Setting up of Colour Laboratory :**

To keep pace with the fast changing trends towards colour photography, it is proposed to set up a colour laboratory for catering the need of the news paper and departmental magazines etc. Rs. 2.00 lacs have been provided for annual plan 1992-93 for this purpose.

**I. P. 2.2 Teleprinter lines :**

During 8th Five-Year Plan the public Relations Department has proposed to link 8 remaining districts with the state head-quarter through Post & Telegraph Teliprinter lines. A sum of Rs. 4.00 lacs has been provided for the annual plan 1992-93 for this purpose.

**I.P. 2.15 Light and Sound :**

The media light & sound is a very power full

& effective media of mass communication. The department proposed to set up mini light & sound units at divisional level to boost the activities of this media. For this purpose a sum of Rs. 4.00 lacs have been provided for Annual Plan 1992-93.

**I.P. 2.16 Setting up of Television Training Centre:**

To fulfill the vast demand for T. V., Video, Software Programme as well as man power it is proposed to set up a T. V. Training Centre in the State where the aspiring youth will be given training in various disciplines of T. V. production. A sum of Rs. 13.00 lacs has been provided under this programme during the 1992-93.

**Labour and Labour Welfare :**

Labour and Labour Welfare Comprises of Employment Services, Labour Welfare and Industrial Training in Punjab. The details of expenditure and outlays is given as under :—

Sr. No.	Name of the Programme	7th Plan 1985—90		Actual Expenditure 1990-91	Approved Outlay 1991-92	Approved Outlay 1992-93
		Approved Outlay	Expenditure			
1	2	3	4	5	6	7
1	Labour Welfare ..	23.50	12.48	—	25.00	46.10
2	Employment Services ..	5.00	8.60	—	8.00	76.00
3	Industrial Training ..	321.50	643.35	283.95	775.00	822.23
Total ..		350.00	665.63	283.95	808.00	944.33

**Labour Welfare :****To strengthen the Machinery of Labour laws :**

The number of registered factories as on 31st March, 1991 is 11487 with labour strength of 400262. About 247729 shops and commercial establishments with labour strength of 183941 are covered under Shops Act, 1958. Department has 23 assistant labour commissioners, 42 and 35 labour inspector grade I and II respectively for inspection work. At present out of 23 Assistant Labour Commissioners, 12 are without Steno-Typists. 14 assistant labour commissioner at district H. Q. are working as D. D. O. therefore, they are to be provided one superintendent and clerk each. Similarly out of 76 labour inspectors, 23 are to be provided a clerk each. Above proposed staff will be made available through internal adjustment of the existing staff and by creating one post of superintendent grade II and 12 posts of Steno-Typist during 1992-93, besides continuing 2 posts of superintendent grade II and 12 posts of Steno-Typist. Proposed provision for this purpose is Rs. 10.30 lacs and 60.30 lacs for annual plan 1992-93

and 8th plan 1992—97 respectively. An outlay of Rs. 6.00 lacs is provided for this purpose for the annual plan 1991-92.

**Strengthening of Directorate of Factories :**

Under this scheme 5 post each of Senior Scale Stenographer, Junior Scale Stenographer, clerks and peons, created during 1991-92 are to be continued. Besides, proposal is to create 5 posts each of Assistant Director Factories, Clerks and Peons and one post each of driver and Chowkidar during 1992-93. A mobile van will also be purchased at a cost of Rs. 12.85 lacs. To accommodate the above items outlay provided for 1992-93 is 31.30 lacs.

**Setting up of Labour Courts :**

Planning Department has cleared the proposal for setting up of Labour Courts at Sangrur & Ludhiana. To continue these courts, Rs. 8.80 lacs has been provided for the annual plan 1992-93. Two posts each of Presiding Officer,

Readers, Stenographers, Ahlmed, Copiests and 4 posts of Peons are to be maintained.

### Employment Services :

#### E.S. 4.1 Setting up of town Employment Exchanges at Sub-division level :

By making re-organisation of the Department of Employment Punjab the Employment services has been made available right up to Tehsil level throughout the State except Baba Bakala, Garhshankar, Balachaur and Kharar, which are provided with this facility during 8th Plan. A provision of Rs. 6.00 lacs is made for this purpose for the annual plan 1992-93.

#### Scheme for providing Pre-service (on the job) training to Educated (Matric on-ward) Applicants for employment (District level) :

Under the new programme on the job training to the I.T.I. trained applicants will be imparted for some reasonable period of time in order to maintain their skill and practice for enhancing their employability for which an allocation of Rs. 60.00 lacs has been made for annual plan 1992-93.

#### Scheme for project scope and Avenues of self-Employment in the State :

Under this programme the scope and avenues of self employment in different areas in tinny/cottage/house hold industries/service and business sectors will be identified/assessed which may be suitable and acceptable to the unemployed youth registered with Employment Exchanges. Since the basic infrastructure required for this job is not available with the department, this job will be get done through some professional agencies such as NITCON, and subsequently this information will be used for motivating the unemployed youth for adopting self employment. An outlay of Rs. 4.00 lacs has been provided for Annual Plan 1992-93.

#### Setting up of District Vocational guidance centre at District level

Vocational guidance centre and Career is the need of the hour. This work should utilize the latest technique as well as other facilities. The centre will aim at becoming a nucleus for career planning and vocational guidance activities of the district. Each district centre will have a V.C.R. and a Colour television and Film Cassette, Photostate Machine, adequate furniture and Racks etc. A provision of Rs. 6.00 lacs has been made under this programme for annual plan 1992-93.

### Industrial Training

Presently there are 43 (ITIs=28+RATCs=8+ITCs.=5+Arts & Carfts=2) Industrial Training Institutes/Centres and 43 Government Industrial Schools for Girls in the State of Punjab. These institutions are catering the need of the area for skilled workers at the Certificate level under the Craftsmen Training Scheme. Under the scheme Engineering and Non-Engineering trades are conducted in the various ITIs and National

Trade Certificate is awarded by the NCVT on the successful completion of the courses. Still, there are some pockets which are unrepresented on the vocational education map of the State and lacks facilities for vocational/skill training. With the view to meet the requirements of skilled manpower for Industry as also to keep pace with the rapid scientific and technological advancements, emerging technologies and changing needs of the modern industry, the main emphasis will be on the improvement in the existing facilities. Introduction of new courses in the area of emerging technology; establishment of new institutions and expansion of existing institutes/schools to meet special requirements, training and re-training of teachers and staff development, promoting effective management system and meet the physical deficiencies in the existing institutions by replacing obsolete machinery and equipment with modern one, enhanced material for training and enhancement of stipend, to provide staff as per norms will be made available to provide recurring expenditure to the institutions either started or being started by the Assistance from Central Government under Border Area Dev. Education Programme and Economical packages.

Govt. Work Centre, Rajpura a commercial organisation is an approved source for manufacturing/supplying Wooden furniture. The Centre was started in Sixties by Government of India, the same is now undertaken by the State Government. The business of this Centre has accelerated a lot. Therefore dire need is to provide modern machinery details of the various plan schemes proposed to be undertaken as under :—

#### ITI. 2.1 Substitution of un-popular trades with popular ones and introduction of additional trades in the ITIs and replacement of tools and equipment.

In the present age of automation and rapid technological advancement taking place in the manufacturing processes, the out-moded course have to be diversified by introducing new trades such as Computer Science, Plastic Processing Operator, Electronics Mechanic in the already existed Institutes, to meet the requirement of skilled labour. To diversify these courses, only equipment will be required.

The Department envisages to introduce these new courses in the 5 ITIs/RATCs/ITCs/GISGs. during the year 1992-93. Allocation for this purpose for the annual plan 1992-93 is 44.00 lacs.

#### ITI. 2.2 Training, Re-training, Seminars and Study Tours of staff trainees for men and women.

Quality and standard of training depends upon the staff development and exposure of training to the industry. There are a number of Staff Training Institutes set up by the Government of India where the courses for uplifting and up-dating the knowledge of the technical teachers are regularly conducted. This Scheme envisages to impart/provide training to 20 Instructors during the year 1992-93 besides conducting study tours for the trainees of the various trades. A provision at Rs. 5.00 lacs has been made for Annual Plan 1992-93 under this programme.

**ITI 2.3. Completion of existing buildings and construction of new buildings for existing I.T.Is./I.T.Cs./R.A.T.Cs./G.I.S.Gs./Arts and Craft Centre including provision of land.**

Due to paucity of funds, majority of the Institutions, women I.T.Is. are without proper buildings. Thus proper buildings for new Institutes and those housed in rented buildings have to be provided. Apart from this fund, have been provided for the on-going works and under expansion programme. Most of the Industrial Training Centres for Scheduled Castes are presently housed in rented buildings which is not conform to the norms.

An outlay of Rs. 85.00 lacs for Capital Works has been provided for this purpose during the year 1992-93.

**I.T.I. 2.4. Modernisation of I.T.I. Under UNDP/ILO. Programme.**

Formal Technical/Industrial Training is not enough in the fast-changing world and to meet the requirement of Industry in organised/un-organised sectors. This scheme was introduced under the ILO/UNDP Programme at ITI, Patiala, for which Govt. of India has not only provided sophisticated machinery but also expertise free of cost. Taking into account, the laudable object and results of the scheme, it is proposed to upgrade M.T.M. Section at Patiala. Rs. 8.00 lacs has been provided under this programme for Annual Plan, 1992-93.

**ITI 2.5—Establishment of Advanced Training Institute in the Farm Machinery & Power in the State (Ludhiana).**

Farm mechanisation in the northern part of India has played a vital role in upsurging the green revolution. The objective of the scheme is to upgrade and update the skill of the ITI passed trainees in the field of farm machinery, etc. To meet out this object, the Government of India intends to set up an advance Training Institute in the Farm Mechanic and power in the State of Punjab for which State Government is committed to provide the land to them free of cost. Rs. 25.00 lacs (Capital) has been provided for this purpose for Annual Plan, 1992-93.

**ITI 2.7. Enhancement of Training Facilities in the State.**

**(i) Opening of New ITIs in the Rural/Unrepresented Areas**

The object of this Scheme is to make available Industrial training facilities in the un-represented area of the State. There has been hardly any expansion in the Training facilities available in the State, viz-a-viz its significant development at the national level. Due to paucity of funds, the Govt of India however, has been forwarded to

help the State for setting up new ITIs in the Border area under Centrally Sponsored Schemes. Still some pockets are left untouched in the State that which need Industrial Training facilities besides continuance of the already set up Institute at ITI, Malerkotla. Therefore, the target is to open 2 more ITIs in the unrepresented area during 1992-93.

An outlay of Rs. 20.00 lacs is provided under this Scheme for the year 1992-93 including Rs. 15.00 lacs for Capital works.

**(ii) Introduction of new courses of emerging technology in the existing ITIs/ITCs/RATCs/GISGs.**

In the present phase of automation and rapid technological advancement, emphasis is on the introduction of new courses to emerging technology in the existing ITIs, RATCs/ITCs for Scheduled Caste to meet the requirement of the area, for which Rs. 72.00 lacs has been provided for Annual Plan, 1992-93.

**ITI 2.9. Strengthening of various cells for new activities in the State Directorate and Provision of deficient staff as per norms.**

With the expansion in the number of institutions and implementation of various Schemes under Border Area and Economic Package, the work at the Headquarter has increased manifold. For the successful management and to provide proper direction, it has become very essential to supplement the Examination Cell, Planning Cell and Inspection Cell, etc. at the State Headquarters. As such for this purpose, an allocation of Rs. 10.00 lacs have been made for the year 1992-93.

**III 2.10. World Bank Projects**

The various ITIs in the State were established in the mid-Sixties and there had been lot of technological changes during this period. The machinery & equipments of these ITIs, has become obsolete and has adversely affected the quality of training. Moreover, basic courses have been in these ITIs which were required at that time. Due to change in technology, new courses have been developed to meet requirement of the various States by the G.D.E.T. In addition to above, self-employment courses are the requirement of the day. Since there had been lot of financial constraints in the State, World Bank has launched a Project for upgradation of quality of training in India and have selected various, institutions set up prior to 1969 for this purpose. for the replacement of machinery and equipments, providing Audio Visual Aids ; Introduction of new Trades. Rs. 323.23 lacs including 74.14 lacs for Capital Works, have been provided as State share to implement the following Schemes under World Bank Project on 50 : 50 basis.

## WORLD BANK PROJECTS

(Rs. in lacs)

sr. No.	Name of the Scheme	Proposed Outlay for 8th Five Year Plan, 1992-97	Approved Outlay, 1990-91	Approved Outlay, 1991-92	Approved Outlay, 1992-93	Capital Contents
1	2	3	4	5	6	7
i	Strengthening of State ITI for improvement of quality & training	410.20	117.00	60.16	81.30	—
ii	Establishment of Project Management System	17.33	3.00	2.83	2.83	—
iii	Introduction of new trades in existing Men/Women ITIs.	63.00	17.00	39.50	29.25	12.60
iv	Related Instruction Centre	23.35	4.85	8.00	8.35	2.45
v	Introduction of A. V. T. S.	39.25	16.25	11.35	21.20	5.06
vi	Setting up of Basic Training Centre	32.50	2.50	10.25	14.50	6.96
vii	Exp. of ITI by introduction of Adl. Seats	124.12	45.90	74.29	70.20	19.44
viii	Provision of A. V. Aids	12.00	12.00	18.08	12.00	—
ix	Estt. of equipment maintenance system	49.10	8.35	7.20	27.25	8.45
x	Introduction of post skill Dev. Centre	14.25	3.15	3.00	6.35	—
xi	Opening of new ITIs for Girls	124.50	50.00	39.50	50.00	19.18
	Total	908.80	280.10	274.16	323.23	74.14

**III-2.13. Modernisation of Work Centre, Rajpura.**

Rajpura Government Centre is catering the need of wooden furniture for the State Government offices and an approved source for the supply of wooden furniture. This centre has been set up in the forty and is in a dilapidated condition, with the increasing activities of the centre, it has become essential to run this centre on modern lines. To reduce the cost of production and proper storage of material and finished goods, it has become essential to provide latest machinery and a separate Saw Mill beside providing proper storage space. For which provision of Rs. 25.00 lacs including 15.00 lacs for Capital Works have been made for the year 1992-93.

**III-2.14. Enhancement of rate by Rs. 50/- as per revised norms:—**

- (i) of stipend per trainee
- (ii) of Raw Material per trainee

The cost of material and other training facilities has increased many fold. The rate of stipend and supply of raw material to their trainees have

been fixed in the seventy and it could not be enhanced despite the recommendation of the NCVT due to paucity of funds. As such a provision of Rs. 13.00 lacs for the stipend and Rs. 50.00 lacs for raw material have been made for the year 1992-93.

**ITI-2.17 Opening of new ITIs for Boys by promoting Private Initiative Grant-in-aid.**

There have been number of Pvt. organisations and enterants coming forward to open new ITIs in the various areas. These organisations are unable to run their training programme as per required standard because of meager funds available with them to further enhance the training facilities in the State, it is very important and essential that these organisations be encouraged to start new Instts by providing them some subsidy. Rs. 20.00 lacs, have been provided for this purpose for annual plan 1992-93.

**ITI. 2.18. To provide Recurring expenditure under Border Area Development (Education) Programme.**

Government of India has provided infrastructure for setting up of institutes in the Border

Area belt and also for expansion in the existing 6 institutes in that area. The recurring expenditure towards salary and other components is to be provided by the State Government. For this purpose a provision of Rs. 30.00 lacs has been made for Annual Plan, 1992-93.

**ITI-2.19. Entrepreneurship Development Programme for I.T.I. passed out trainee and startings Coaching Centres to prepare them for self-employment.**

It has been experienced that ITI passed-out trainees are handicapped to start their own ventures because of lack of proper guidance and knowledge regarding planning, preparation of project reports and completion of various other formalities in this regard. Due to these drawbacks these trainees only go in for paid jobs. This has increased a number of job seekers. To tackle this problem, it is essential that these passed-out trainees be provided proper and specific skills to start their own ventures. For the purpose a provision of Rs. 5.00 lakhs has been made for the year 1992-93.

**ITI-2.20. To provide infrastructure facilities for Schemes covered under the World Bank Project for full utilisation of equipments and to make it fully operational as per norms.**

All the institutes have not been covered under the World Bank Project. Moreover, only specific kind of upgradation has been provided under the World Bank Project. For full utilisation of the benefits of the World Bank Schemes and providing of infrastructure and facilities on the Scheme not covered under the World Bank Project, it is important and essential that components like independent feeders, Class room furniture, Audio-visual Aids etc., be provided by the State Government. For the purpose, a provision of Rs. 10.00 lakh for the year 1992-93 has been made, under this Scheme.

**ITI-2.21. Women Resources Development in three Border Districts.**

A great stress has been given for the women development/education in the State for providing training facilities, entrepreneurship development programme under this scheme. It is envisaged to open women hostel, production centres and train them for starting their own ventures. For this purpose a sum of Rs. 5.00 for the year 1992-93 has been provided.

**ITI-2.22. Salary Components of District Plan Scheme and to provide Deficient staff. In the Various existing ITIs/GISGs/RATCs as per Norms.**

The object of this scheme is to provide salary

and deficient staff in the existing ITIs/GISGs/RAIs/RATCs, as per the norms laid down by the DGET (Government of India). Most of the Schemes were initially approved under the district Plan, but now the salary component and deficient staff will have to be provided out of the State Plan. For this purpose Rs. 22.00 lakhs for the Annual Plan, 1992-93 has been provided.

**ITI-3.3. Modernisation and Replacement of Machinery and equipment in Girls Schools.**

The object of this Scheme is to provide modern machinery for the new and emerging technologies introduced in the Girls institutions in the State and also to replace the old and outlived machinery with new and sophisticated machines and equipment to impart training to the women so that they could get better chances of employment self-employment.

For this purpose a provision of Rs. 30.00 lakhs for the Annual Plan, 1992-93, has been made.

**ITI-3.5. Opening of New Industrial School for Girls.**

There are 45 Industrial Schools for Girls already running in the State. There are many areas which are still un-represented in the map of Industrial training for women. It has thus been felt to start new schools with courses in emerging technologies to ameliorate the cause of technical education to the women in the State. During the 8th Plan 10 new Industrial Schools have been proposed to be opened. A provision of Rs. 10.00 lakhs (Capital) for the Annual Plan 1992-93 has been made for purchase of land.

**Centrally Sponsored Scheme**

**CS.2. Improvement of Infrastructural Facilities and Construction of Buildings for ITIs of Border Area under B.A.D. (E) P. 100% C.S.S.**

Under the Centrally-sponsored Scheme, the Government of India has provided a sum of Rs. 300.00 lakhs under the Border Area Development Programme to set up two ITIs in the Border areas, namely, one at Bamyal, district Gurdaspur and the other at Lopoke, District Amritsar. This amount was sanctioned by the Government of India during the year 1991-92. This amount is to be spent on the purchase of land and construction of building and procurement of machinery and equipment for these two institutions. The salary component and other recurring expenditure will be met by the State Government. To continue this programme a proposed allocation for 1992-93 is 300.00 lacs.



## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Expenditure incurred during the Seventh Plan 1985-90	Actual Expenditure 1990-91	Anticipated Expenditure 1991-92	Annual Plan 1992-93	
				Approved Outlay	Of Which Capital Content
1	2	3	4	5	6
110345100 Secretariat Economic Services—					
<b>A. State level schemes</b>					
Completed schemes as on 31st March, 1990 (Spill over liability)					
101 P.M.1.3 (i) Consultancy and Technical Services (New Scheme)	13.50	—	—	—	—
<b>2. Sanctioned Schemes /Committed in 1990-91</b>					
101 P.M. 1.1 Strengthening of Planning Machinery in the State ..	51.18	5.53	20.30	30.00	—
101 P.M.1.2 Planning Machinery at District Headquarters ..	—	—	—	—	—
101 M.P.1.3 (ii) Consultancy and Technical Services on Pilot Basis	1.97	1.50	0.48	1.50	—
101 P.M. 1.4 Quick Survey and Studies ..	1.00	—	—	1.00	—
101 P.M.1.6 Introduction of Computerisation of Punjab Govern- ment Offices	63.90	87.66	100.00	300.00	—
101 P.M. 1.7 Grant-in-aid to the CRRID ..	26.95	5.00	—	—	—
<b>New Schemes—</b>					
101 P.M.1.9 Self Employment to one lakh youth-Special Package Programme	—	—	—	—	—
101 P.M. 1.10 To make three border districts no un-employment districts— Special Package Programme	—	—	—	—	—
<b>Total</b>	<b>158.50</b>	<b>99.69</b>	<b>120.78</b>	<b>332.50</b>	—
<b>B. Devolution of funds to the Districts—</b>					
<b>Sanctioned Schemes /Committed in 1990-91</b>					
101 P.M.1.5 For mulation of District Plan at the District Head- quarters	2017.50	24760.78	30358.57	33678.21	21864.85
<b>Total (A+B)</b>	<b>2175.50</b>	<b>24860.47</b>	<b>30479.35</b>	<b>34010.71</b>	<b>21864.85</b>
<b>PROGRAMME IMPLEMENTATION</b>					
1000000000 Programme Implementation Sanctioned Schemes/Committed in 1990-91					
Economic Co-ordination and 20-Point Programme	1.93	0.31	0.48	4.00	—
<b>Total</b>	<b>1.93</b>	<b>0.31</b>	<b>0.48</b>	<b>4.00</b>	—

## ANNUAL PLAN 1992-93

## STATEMENT

## Schemewise Outlay and Expenditure

Major/Minor Head of Development/Name of the Scheme	Expenditure incurred during the Seventh Plan 1985-90	Actual Expenditure 1990-91	Anticipated Expenditure 1991-92	Annual Plan 1992-93	
				Approved Outlay	Of Which Capital Content
1	2	3	4	5	6
<b>110-345400 Census Survey and Statistics</b>					
<b>1. Completed Schemes as on 31st March, 1990 (Spill over liabilities)</b>					
S.T. 1.1 Purchase of Computer Timings/Installation of Computer System	21.78	—	—	—	—
S.T. 1.2 Survey and Studies	—	—	—	—	—
S.T. 1.4 Strengthening of District Statistical Offices with Class I Officers and Provision of Jeeps	34.07	—	—	—	—
S.T. 1.5 Creation of Price Statistical Cell	0.23	—	—	—	—
S.T. 1.6 Strengthening of Evaluation Machinery	0.18	—	—	—	—
S.T. 1.7 Strengthening of Ministerial Staff at Headquarter	—	—	—	—	—
S.T. 1.8 Staff Group Insurance Scheme at District Level	—	—	—	—	—
S.T. 1.9 Installation of Computer facilities under NISNET Scheme	4.55	—	—	—	—
<b>2. Sanctioned Scheme/Committed in 1990-91:</b>					
S.T. 1.3 Working Class family income and Expenditure Survey	0.11	—	—	—	—
<b>3. New Scheme:</b>					
S.T. 1.10 Setting up of Socio Economic Research Analysis Unit	—	—	0.70	7.54	—
S.T. 1.11 Preparation Input-Out Table	—	—	0.60	5.75	—
S.T. 1.12 Strengthening of NSS wing at Head-quarters	—	—	0.20	2.36	—
S.T. 1.13 Setting up of Statistical Machinery at Sub-Divisional level	—	—	6.50	30.87	—
S.T. 1.14 Estimates of District Income of Punjab	—	—	—	21.00	—
S.T. 1.15 Strengthening of Ministerial Staff at Headquarters	—	—	—	7.48	—
<b>Total</b>	<b>160.92</b>	<b>—</b>	<b>8.00</b>	<b>75.00</b>	<b>—</b>

## ANNUAL PLAN 1992-93

## STATEMENT

Scheme-wise outlay and Expenditure

(Rs. in lacs)

Name of the Scheme/Major Head/Minor Head	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expd.	Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6
<b>Public Works</b>					
<b>State level Schemes :—</b>					
PW-3.1 (a) Divisional offices/Distt. Teh. Complexes ..	—	—	—	521.00	521.00
(e) Strengthening of Revenue Administration & Updation of land record ..	—	—	391.18	100.00	100.00
PW-3.2 Courts ..	—	—	—	100.00	100.00
PW-3.6 Circuit houses/rest houses ..	—	85.00	85.00	90.00	90.00
PW-3.7 Mini Sectt. Building at Chd. ..	67.13	200.00	139.42	183.00	183.00
Total (State Level Schemes) ..	67.13	285.00	615.60	994.00	994.00
<b>Distt. Level Schemes :—</b>					
PW-3.1 (a) Divisional Offices/Distt. Teh. Complexes ..	..	495.00	449.95	..	..
(b) Construction of Sales tax Check barrier at Shambu ..	..	7.00	7.00	..	..
(c) Construction of Buildings complexes for sales tax check barrier ..	..	8.00	8.00	..	..
(d) Construction of Addl. Complex for Excise and Taxation Commission Officers Patlala ..	..	40.00	40.00	..	..
PW-3.2 Courts ..	..	75.00	75.00	..	..
PW-3.3 Patwar Khanas :					
(l) Construction of Kanungo Circle-cum-record offices in the State ..	41.41	15.00	15.00	86.00	86.00
PW-3.4 Police Stations ..	317.17	100.00	100.00	120.00	120.00
Total (Distt. Level Schemes) ..	358.58	740.00	694.95	206.00	206.00
Grand Total (PW) ..	425.71	1025.00	1310.55	1200.00	1200.00
<b>Jails</b>					
<b>State level schemes</b>					
PW-3.5 Jails ..	..	375.00	211.03	270.00	270.00
Total Jails : ..	..	375.00	211.03	270.00	270.00

## ANNUAL PLAN 1992-93

## STATEMENT

## 3. Schemewise Outlay and Expenditure

(Rs. in lakhs)

Sr. No.	Nature of the Scheme	Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan 1992-93	
			Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Component
I	2	3	4	5	6	7
<b>Printing and Stationery</b>						
<b>001—Direction and Administration</b>						
1	PT 1.1 Strengthening of Stationery, publication and form section creating Inspection cell	—	1.90	—	—	—
<b>103—Govt. Press</b>						
2	PT 2.1 Machinery and Equipment for Ticket Printing Press Patiala	—	—	—	—	—
3	PT 2.2 Machinery and equipment for Govt. Press, S.A.S. Nagar	39.30	10.00	10.00	550.00	—
4	PT 2.3 Staff (additional staff) and material required to run the Govt., Press S.A.S. Nagar	—	120.00	100.00	156.48	—
<b>Outlay on Public works</b>						
5	PT 3.1 Construction of boundary wall around the press building in low lying areas at S.A.S. Nagar by adding a similar block to the existing building	—	79.62	79.62	75.00	75.00
6	PT 3.1 (a) Construction of building and other important works at Patiala.	—	10.00	10.58	24.85	24.85
<b>800—Other Expenditure</b>						
7	PT 3.2 Apprenticeship scheme for typewriter Mechanics	0.03	0.12	0.06	1.62	—
8	PT 3.3 Instructor for imparting training to typewriter apprentices	—	0.16	0.09	0.55	—
9	PT 3.4 Mechanics for Plain Paper Copier Electric Typewriter and Duplicating machine.	—	3.20	—	—	—
Total		39.33	225.00	200.35	808.50	99.85
<b>PSIPA 34228700</b>						
PSIPA 1.1	Establishment of Adm. Trg. Institute	—	165.00	15.00	195.33	195.33
PSIPA 1.2	Assistance to State Training Institute in District Planning New Schemes	1.00 Incl.C.A	5.00	3.00	6.19	—
PSIPA 2.1	Setting up of 9 academic divisions in the Institute for training gazetted officers	—	—	—	5.00	—
PSIPA 2.2	Setting up of 3 district level training Centres for IV employees Class-III & Class IV	—	—	—	10.00	—
Total		1.00	170.00	18.00	216.52	195.33

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**OUTLAY AND EXPENDITURE**  
**STATE LEVEL SCHEMES**

(Rs. in lakhs)

Major/Minor Head of development/Name of the scheme	Annual Plan 1991-92		Annual Plan 1992-93		
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	
<b>Information and Publicity:</b>					
I.P. 1.1	Purchase and Production of Films	10.00	15.70	15.00	—
I.P. 2.1	Display Advertisement	15.00	15.00	20.00	—
I.P. 2.3	(i) Filed Publicity	28.30	23.45	30.00	—
	(ii) To mobilise public opinion against terrorism	100.00	92.90	100.00	—
I.P. 2.4	Song and Drama Services	8.00	—	8.00	—
I.P. 2.6	Purchase and Production of Literature	5.00	5.00	6.00	—
I.P. 2.8	Television Scheme	5.00	5.00	—	—
I.P. 2.9	Exhibition scheme (including Exhibition Board)	25.00	25.00	25.00	—
I.P. 2.10	Wall Painting and Hoardings	1.00	1.00	1.50	—
I.P. 2.11	Purchase of Books for Library at State H.Q.	0.40	0.40	0.75	—
I.P. 2.12	Feed Back Studies	0.50	0.50	0.75	—
I.P. 2.13	Strengthening of H.Q. Staff for D.P.R.	0.80	—	1.00	—
I.P. 2.14	Setting up of Colour Laboratory	2.00	1.30	2.00	—
I.P. 2.16	Setting up of T.V. Training Centre	—	10.00	13.00	—
I.P. 2.2	Teleprinter Lines	—	—	4.00	—
I.P. 2.15	Light and Sound	—	—	4.00	—
	<b>Total</b>	201.00	195.25	231.00	

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93		
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
<b>LABOUR AND LABOUR WELFARE (STATE LEVEL) (A) Labour</b>						
L.W. 1.1	Strengthening of Directorate of Factories ..	—	12.16	9.38	31.30	—
L.W. 2.4	Creation of Labour Courts at Sangrur and Ludhiana ..	—	4.35	0.87	8.80	—
L.W. 1.2	Creation of Women Cell ..	—	8.00	1.73	—	—
L.W. 1.3	Strengthening of Enforcement Machinery of labour laws ..	—	—	—	6.00	—
	Total-A	—	25.00	11.98	46.10	—
<b>(B) Industrial Training</b>						
ITI 2.1	Substitution of Unpopular Trades with Popular ones and introduction of new Trades in ITI's and replacement of tools and Equipments ..	1.30	(District Level)	4.00	—	—
ITI 2.2	Training, Re-training, Seminars and Study tours of staff/trainees for men and Women ..	1.16	4.00	4.00	5.00	—
ITI 2.4	Modernisation of ITI's under UNDP/ILO Programme ..	—	5.00	5.00	8.00	—
ITI 2.5	Estt. of Advance Trg. Institute in Farm Machinery and Power (Ludhiana) ..	—	5.00	5.00	(District Level)	—
ITI 2.7	Enhancement of Training facilities in the State ..	—	(District Level)	—	—	—
	(i) Opening of new ITIs in rural/unrepresented Areas ..	1.07	—	—	20.00	15.00
	(ii) Introduction of new courses in the Rural areas of emerging Technology in the existing ITIs/ITCs, RATCs/GISGs. ..	—	—	—	72.00	—
ITI 2.9	Strengthening of various cells for new activities in the State Directorate and provision of deficient Staff as per norms ..	—	2.00	2.00	10.00	—
<b>World Bank Projects</b>						
ITI 2.10	(i) Upgradation of Govt. ITI's for improving the quality of Training and replacement of Machinery ..	247.39	60.16	60.16	81.30	—
	(ii) Establishment of Project Management unit at State level ..	5.36	2.83	4.00	2.83	—
	(iii) Introduction of new trades in existing ITI's ..	5.23	39.50	39.50	29.25	12.60
	(iv) Setting up of Related Instruction Centre ..	—	8.00	8.00	8.35	2.45
	(v) Introduction of A.V.T.S. ..	—	11.35	11.35	21.20	5.06
	(vi) Setting up of Basic Trg. Centre ..	—	10.25	5.25	14.50	6.96
	(vii) Expansion of I.T.I's by Introduction of additional seats ..	—	74.29	74.29	70.20	19.44
	(viii) Provision of A.V. Aids ..	—	7.20	7.20	12.00	—
	(ix) Establishment of Equipment Maintenance system ..	—	18.08	18.08	27.25	8.45
	(x) Introduction of Post skilled development courses ..	—	3.00	3.00	6.35	—
	(xi) Setting up of ITI's for women ..	—	39.50	39.50	50.00	19.18
	Total—World Bank project	261.51	274.16	270.33	323.23	74.14
ITI 2.13	Modernisation of work Centre Rajpura ..	5.00	20.00	20.00	25.00	15.00
ITI 2.16	Opening of New ITI's for boys ..	—	32.00	32.00	(Merged into scheme ITI 2.7(i))	—

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the scheme	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan, 1992-93		
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	
ITI 2.17	Opening of new ITI's for boys by promoting Pvt. initiatives grant-in-aid	—	35.84	10.77	20.00	—
ITI 2.18	To provide recurring expenditure for ITI's established under B.A.D.P.	—	20.00	20.00	30.00	—
ITI 2.19	Entrepreneurship development programme for ITI passed out trainees and starting coaching centres to prepare them for self employment	—	5.00	5.00	5.00	—
ITI 2.20	To provide infrastructural facilities for schemes covered under World Bank Project for full utilisation of equipments and to make it fully operational as per norms	—	10.00	10.00	10.00	—
ITI 2.21	Women Resources development in three Boarder Districts	—	1.00	1.00	5.00	—
ITI 2.20	Salary Component of district schemes of ITI's	—	11.00	7.00	22.00	—
ITI 2.24	Opening of Staff Training Centre at Ropar	—	New Scheme	—	10.00	—
ITI 3.4	To provide deficient staff according to norms in the existing Govt. Industrial schools for Girls	1.00	2.00	2.00	(Merged into scheme ITI 2.9)	—
ITI 3.5	Opening of New Industrial Schools for Girls and Introduction of additional seats in existing schools	—	(District level)	—	10.00	10.00
ITI 3.6	Strengthening of Inspectorate cell for women training	0.51	1.00	1.00	(Merged into scheme ITI 2.9)	—
Total—B		6.51	428.00	395.10	619.23	114.14
<b>(C) Employment</b>						
ES 4.1.	Setting up of Employment Exchanges at Tehsil level	—	(District Level)	—	6.00	—
ES 4.3	Setting up of an account section at State Headquarter	—	1.00	—	—	—
ES 4.4	Salary Component of District level schemes of Employment	—	3.00	0.50	—	—
Total—C		—	4.00	0.50	6.00	—
Grand Total A+B+C		268.02	457.00	407.58	671.33	114.14

**ANNUAL PLAN 1992-93**  
**STATEMENT**  
**OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Schemes	Annual Plan 1990-91	Annual Plan 1991-92		Annual Plan 1992-93	
	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6
<b>Labour and Labour Welfare : (District level)</b>					
<b>(A) Employment services : Beneficiary-oriented</b>					
ES 4.5	Scheme for Project Scope of Avenues of self-employment in the	—	—	4.00	—
ES 4.6	State Scheme for Providing Pre-service On-the-Job Training to ITI Trained Applicants for Employment	—	—	60.00	—
ES 4.7	Setting up of Distt. Vocational Guiding Centre at each Distt. Headquarter	—	—	6.00	—
	Total	—	—	70.00	—
<b>(B) Industrial Training:</b>					
<b>Area Specific</b>					
ITI 2.11	Upgradation of Four SC ITI's at Mansa, Muktsar, Faridkot and Fatehgarh Churian	—	90.00	90.00	merged into State Scheme ITI 2.7 (ii)
ITI 2.12	Purchase of land and Construction of Buildings for Art & Craft Centre Amritsar,	—	20.00	20.00	merged into State Scheme ITI 2.3
ITI 2.5	Establishment of an Advance Training Institution of Farm Machinery & Power in the State (Ludhiana)	—	(State Level)	25.00	25.00
	Total	—	110.00	110.00	25.00 25.00
<b>Beneficiary-oriented:</b>					
7. ITI 2.14 Enhancement of Rate by Rs. 50/- as per Revised Norms:—					
	(i) Of Stipend per trainee	0.33	13.00	13.00	13.00
	(ii) Of Raw-material per trainee	1.60	50.00	50.00	50.00
		1.93	63.00	63.00	63.00
<b>Infrastructure facilities:</b>					
8. ITI 2.3	Completion of Existing Buildings and Construction of new Buildings for existing ITIs/ITCs/RATCs./GISGs/Art & Craft of Land Centre/ Provision	3.63	20.00	20.00	85.00 85.00
9. ITI 3.3	Modernisation of Machinery Equipment in Girls Schools	0.51	10.00	11.00	30.00 —
10. ITI 3.5	Opening of New Industrial Schools for Girls and Introduction of Addl. Seats in existing schools	0.51	5.00	5.00	10.00 10.00
11. ITI 2.1	Substitution to Unpopular Trade with Popular Ones and Introduction of New Trade in ITI and replacement of tools and equipment	1.30	19.00	19.00	(State level)
12. ITI 2.3	(ii) Construction of Advanced ITIs for SCs	—	50.00	—	— —
13. ITI 2.6	Expansion of ITI's located in Rural Areas	—	10.00	11.20	Merged into State scheme ITI 2.7(i)
14. ITI 2.7	Opening of New ITIs in Rural Unrepresented Minorities Concentrated Areas	—	20.00	20.00	(State level)
15. ITI 2.8	Providing Independent Feeder/diesel Operating Sets in ITIs	—	5.00	5.00	(Merged into State Scheme ITI 2.20)
16. ITI 3.1	Completion of Existing Building and construction of new Buildings for GISGs/Government Industrial Training Institute for Women	9.05	35.00	35.22	Merged into scheme ITI 2.3
<b>(C) Employment Infrastructure:</b>					
7. ES 4.1	Expansion of Employment Services in Urban Areas	—	3.20	3.20	— —
3. ES 4.2	Setting up of Rural Manpower Units	—	0.80	0.80	— —
		15.00	178.00	180.42	115.00 85.00
	Total (Labour & Labour Welfare)	16.93	351.00	353.42	273.00 110.00
	Total State and District Level Schemes	283.95	808.00	761.00	944.33 224.14





## CHAPTER XVIII

### EMPLOYMENT

Generation of employment opportunities, removal of poverty and proper manpower planning have been viewed as important aspects of the process of planning. However, the problems of unemployment and abject poverty continue to pose a formidable challenge to the country despite gigantic investment made during the Five Year Plans. At the beginning of the financial year 1990-91, the backlog of unemployment is estimated to be of the order of 13 million by usual status criterion. The magnitude of backlog rises to about 16 million if the weekly status criterion is taken labour force is projected to grow by 37 million during 1990-95 and an other 41 million during 1995-2000. Employment would have to grow at a rate of over 4 per cent per annum to reach the goal of near full employment by 1995 and over 3 percent per annum if it is to be reached by 2000. Given the past trends and prospects in the near future it would only be realistic to aim at this goal by 2000.

18.2 Punjab like the rest of the country, faces the problem of unemployment and under-employment in the State. However, in Punjab, the problem of unemployment has certain specific features. As far as unskilled manpower is concerned, particularly in the rural areas, chronic unemployment is rather insignificant. However, there is some seasonal unemployment during the slack season. But in the busy season acute shortage of labour attracts large number of workers from other States. There is, however, dearth of skilled labour because of continuing out-migration. But, the situation is very different with regard to the educated unemployed. There is a heavy incidence of unemployment, particularly among the arts, commerce and science graduates/post graduates, trained teachers, craftsmen diploma holders, para-medical personnel and above all matriculates. Unemployment among the educated persons mainly takes the form of long period of waiting before they get employed. The most important casual factor, set is on the demand side, the retarded industrial growth of the State and on the supply side, expanding educational facilities resulting in an ever swelling flow of the educated job seekers. It is the growing unemployment among these categories which demands immediate and effective measures

18.3 In this chapter, employment and un-employment situation in the State has been reviewed on the basis of data available from the 1981 census, National Sample Survey (38th Round), Employment Market Information Programme and the Live Register Statistics maintained by the Employment Exchanges in the State. The estimates of labour force at the beginning as well as at the end of the Seventh Five Year Plan have been worked out according to the 'usual activity' status of the population. The Chapter also contains estimates of employment to be generated during the Seventh

Plan (1985-90), Annual Plan 1990-91, 1991-92, and 1992-93. The employment strategy of the State Government has also been discussed at the end of the Chapter.

#### Working Population 1981 :

18.4. The distribution of population into Main Workers, Marginal Workers and Non-Workers as per 1981 census classified by sex and residence and their percentage to total population is given in Annexure-I. As per 1981 census, there were 49.28 lakh main workers and 3.60 lakh marginal workers in Punjab which constituted 29.35 per cent and 2.15 per cent of the total population of the State respectively. The work participation rate for the main workers and marginal workers taken together was 31.50 per cent in 1981 as against 28.89 per cent in 1971. The work participation rate for main workers increased from 28.78 per cent in 1971 to 29.35 per cent in 1981 and for marginal workers it increased from 0.02 per cent to 2.15 per cent in 1981. 53.76 per cent of the male population and 6.16 per cent of the female population was engaged in some economic activity. The non-workers constituted 68.50 per cent of total population out of which 46.24 per cent were males and 93.84 per cent were females.

18.5 The distribution of main workers in 1971 and 1981 by cultivators, agricultural labourers, household industries and other workers is given in Annexure II. During 1971-81 decade, there has been 25.95 per cent increase in the number of main workers in the State. The increase in the case of female workers was 140.45 per cent as against 23.74 per cent increase in the case of male workers. Of the main workers, 35.86 per cent were cultivators, 22.17 per cent agricultural labourers, 2.58 per cent were engaged in household industries and 39.39 per cent were other workers. Between 1971-81, the ratio of cultivators to total main workers decreased from 42.56 per cent to 35.86 per cent which indicates that the share of the primary sector among male workers has been down between 1971-81 decade.

18.6 It may, however, be mentioned that much reliance cannot be placed on the data collected at the time of census because firstly, unemployed persons are treated simply as one of the categories of non-workers. Secondly, the census is an all purpose count and it does not have a special focus on unemployment as no special effort is made to verify the status of the persons recorded as unemployed. Much more direct and detailed than the census data is the information collected during the various rounds of the National Sample Survey Organisation, Government of India.

### National Sample Survey Organisation (NSSO) :

18.7 The 38th Round (January—December 1983) of the National Sample Survey Organisation was the third quinquennial survey on employment and unemployment. The two previous surveys were carried out during the 27th Round (October, 1972—September, 1973) and the 32nd Round (July, 1977—June, 1978). The distribution of population (in age-group 15—59) in Punjab by 'usual activity' status, residence and sex based on the State Sample results of the 32nd Round and 38th Round is given in Annexure-III. According to the results of the 38th Round (State Sample), 49.91 per cent of the total population in the age group 15—59 years was in labour force out of which 48.49 per cent were workers 1.42 per cent unemployment and 50.09 per cent of the population was outside the labour force. 90.73 per cent of the rural males and 88.60 per cent of the urban males in Punjab were in the labour force. The participation of the females in the labour force was very low i.e. 4.21 per cent only. The incidence of unemployment both among males and females was higher in the urban areas as compared to the rural areas. A comparison of the results of the 32nd Round and 38th Round (State Sample) reveals that between these two rounds, the labour force participation rate increased from 47.30 per cent to 49.91 per cent whereas the proportion of male workers increased from 84.27 per cent to 88.01 per cent but that of female workers decreased from 4.70 per cent to 3.53 per cent. The rate of unemployment increased marginally from 1.40 per cent to 1.42 per cent between these two rounds.

### Employment Exchange Statistics of Un-employment :

18.8 The number of work-seekers on the Live Register of Employment Exchanges in Punjab as on 31st March, 1989, 31st March, 1990 and 31st March, 1991 is given in Annexure-IV. It would be seen that between 1st April, 1989 and 31st March, 1990, the number of job seekers increased from 572766 to 622262 i.e. by 49496 or 8.44 per cent. The number of below matriculate job-seekers increased from 270717 to 286806 i.e. 16089 or 5.94 per cent. On the other hand, the number of educated job-seekers increased from 302049 to 335456 i.e. by 33407 or 11.06 per cent. The proportion of educated persons in the total work-seekers increased from 52.74 per cent to 53.91 per cent during 1989-90. The proportions of technical personnel among the educated ones decreased from 29.68 per cent to 25.95 per cent. Out of 6,91,983 job-seekers as on 31st March, 1991, 69.51 per cent (Males 84.6 per cent and Females 15.4 per cent) belonged to the rural and 30.49 per cent (Males 65.7 per cent and Females 34.3 per cent) belonged to the urban areas.

18.9 During the period from April, 1990 to April, 1991 the number of job-seekers increased from 6,22,262 to 6,91,983 recording an increase of 11.20 per cent. The educated work-seekers also increased to 3,91,040 as on April, 1991 as against 3,35,456 thereby registering the increase of 16.57 per cent. However, the unemployment among the below matriculates and other persons was increased by 4.93 percent i.e. from 2,86,806 to 3,00,943

during the period under review. Unemployment persisted among the highly qualified technical personnel also. There were as many as 816 graduate engineers, 422 doctors, 952 agricultural specialists, 30,185 B.Ed./M.Ed. teachers, 19,591 other teachers and 32,189 trained craftsmen on the live register of Employment Exchanges as on 31st March, 1991.

18.10 During 1990-91, the number of registrations effected was 1.72 lacs compared to 2.17 lacs registrations effected during the previous year. The number of vacancies notified to the Employment Exchanges by the Public and Private Sector Employers increased from 1,5597 during 1989-90 to 34,578 during 1990-91 thus showing the increase of 55.02 per cent. The number of persons given employment in 1990-91 was 6893 as compared to 7701 persons given employment during the previous year. In other words, only 1.11 per cent of the job-seekers were provided employment during 1990-91 through the Employment Exchanges. Un-employment allowances amounting to Rs. 66.97 lacs was disbursed to 10,118 beneficiaries during 1990-91 as compared to 64.60 lacs disbursed to 9,752 beneficiaries during 1989-90

18.11 It may, however, be mentioned that the Employment Exchange Statistics of unemployment suffer from certain limitations. All the employed persons do not register themselves with the Employment Exchanges. Those who get employment without the assistance of the employment exchanges do not bother to inform the exchange and as such they continue on the Live Register of the Employment Exchanges. In order to determine the extent of actual unemployment among graduates and post-graduates registered with the Employment Exchanges in the State, a sample survey was conducted by the Economic and Statistical Organisation, Punjab during the months of May to July, 1983. The results of the survey revealed that out of 56,134 graduates and post-graduates registered with the Employment Exchanges as on 31st May, 1983, 41.09 per cent belonged to rural areas. It was revealed that students made up 11.22 per cent of the surveyed registrants and 22.46 per cent of the registrants were already in salaried employment. Besides, 6.27 per cent were self-employed. Only 28.40 per cent of them were willing to take self-employment and the remaining were interested in salaried employment. Thus, the problem of unemployment among the surveyed registrants though by no means small in magnitude, was not as severe as reflected by the employment exchange statistics.

### Employment in the Organised Sector :

18.12 The data collected under the Employment Market Information Programme relates only to the Organised Sector of the economy which covers all establishments in the Public Sectors irrespective of their size, and non-agricultural establishments of their size and non-agricultural establishments in the Private Sector employing 10 or more persons. While the data from all the Public Sector establishments and those non-agricultural establishments in the Private Sector which employ 25 or more persons are collected statutorily under the provisions

of the Employment Exchanges (Compulsory Notification of Vacancies) Act, 1959, the data from the non-agricultural establishments employing 10 to 24 persons in the Private Sector are collected on a voluntary basis.

18.13 The number of the establishments in the organised sector (Public Sector and Private Sector) went up from 10626 as at the end of March, 1990 to 10781 as at the end of March, 1991 recording an increase of 1.45 per cent as compared to an increase of 1.20 per cent recorded between 1st April, 1982 and 31st March, 1990. The employment in the organised sector in Punjab as on 31st March, 1989 to March, 1990 is given in Annexure-V. The employment in the organised sector increased from 6.35 lacs as at the end of March, 1981 to 7.91 lacs as at the end of March, 1991 showing an average annual increase of 2.20 per cent. Whereas employment in the Public Sector increased from 4.68 to 5.70 lacs showing an average annual increase of 2.28 per cent, the employment in the Private Sector went up from 1.67 lacs to 2.21 lacs showing an average annual increase of 3.53 per cent.

#### **Estimates of Labour Force for the Seventh Plan Period.**

18.14 The parameters provided by the 38th Round of National Sample Survey have been utilised to build-up the estimates of labour force, work force and unemployment in the state. The sex, residence rates as provided by the State Sample Survey results have been applied to the projected population to work out the estimates on the assumption that present trends will continue.

18.15 According to the usual activity status, the size of the labour force (in 15—59 age-group) at the beginning of the Seventh Plan has been estimated at 50.84 lacs (48.83 lacs males and 2.01 lacs females) and it constitutes 49.91 per cent of the population in the 15—59 age-group. The size of the female labour force is very small in comparison to the male labour force. Rural labour force constitutes 68.74 per cent of the total labour force. During the Seventh Plan Period (1985—90) 6.19 lac persons (5.91 lac males and 0.28 lac females) are expected to enter the labour force. The average annual increase in labour force would thus be around 1.24 lacs as shown in Annexure-VI.

#### **Estimates of Working Force :**

18.16 Estimates of working force for the Seventh Plan Period are given in Annexure-VII. The number of workers on the basis of their usual activity status is expected to increase from 49.39 lacs as on 31st March, 1985 to 55.40 lacs as on 31st March, 1990. Thus, there would be an annual average increase of 1.20 lac workers during the Seventh Plan Period.

#### **Unemployment Estimates :**

18.17 On the assumption of continuation of present trends, the number of usually unemployed persons is expected to rise from 1.44 lacs on the eve Seventh Plan to 1.62 lacs at the end of the 7th Plan as shown in Annexure-VIII.

#### **Indirect Self-employment Generation during the Seventh Plan :**

18.18 So far, no methodology has been evolved to work out the indirect employment generation as a result of implementation of the Plan Programmes. However, certain Public Sector Corporations such as The Punjab Scheduled Castes Land Development and Finance Corporation, The Punjab Backward Classes Land Development and Finance Corporation, The Punjab Ex-Servicemen Corporation, the Punjab Women and Children Development and Welfare Corporation etc. generate supplementary employment/self-employment opportunities for the unemployed. Those corporations have direct lending programmes as well as tie-up arrangements with the commercial banks in the advancement of loans to the eligible persons. During the year 1988-89, loans amounting to Rs. 21.85 crores were disbursed to 29,265 beneficiaries. Besides, capital subsidy amounting to Rs. 5.21 crores was given. It is estimated that during 1989-90, loans amounting to Rs. 23.62 crores will be disbursed to nearly 33,668 beneficiaries by these Corporations. The break-up of loans advanced and the number of persons assisted by each Corporation during 1985-86, 1986-87 1987-88 (Actual), 1988-89 (Actual), 1989-90 (Actual), 1990-91 (Actual) and 1991-92 (Actual) is given in Annexure-IX. No data regarding the number of self-employment ventures actually set up by the beneficiaries is available.

#### **Employment Oriented Programmes :**

18.19 In addition to the sectoral investments made during the Five- Years Plans which have resulted in expansion of employment opportunities through the process of growth, there are in operation certain employment/beneficiary oriented programmes for the specific target groups. These include (i) National Rural Employment Programme (NREP), (ii) Integrated Rural Development Programme (IRDP), (iii) Rural Landless Employment Guarantee Programme (RLEGP), (iv) Training Rural Youth for Self Employment (TRYSEM), (v) Development of Women and Children in the in the Rural Areas (DWCRA), (vi) Training Ex-servicemen for Selfemployment (PEXSEM), (vii) Special Employment Programme (viii) Scheme for providing self-employment to the Educated Unemployed Youth (SEEUY), (ix) Self-employment Programme for the Urban Poor (SEPUP). The investment made and the employment generated under the schemes at (i) to (vii) have been discussed in detail under Community Development in Panchayats, Defence Services Welfare and Industry and Minerals. The progress regarding the implementation of the schemes at (viii) and (ix) is given below:—

#### **(i) Scheme for Providing Self-Employment to the Educated Unemployed Youth (SEEUY) :**

18.20 This scheme was launched in the country by the Government of India during the year 1983-84. The objective of the scheme is to encourage the educated unemployed youth to undertake self-employment ventures in industry, service and business with bank loans and Government subsidy.

The target was to cover 2.50 lacs beneficiaries in the country during each year in the Seventh Plan. The scheme covers those with matriculation and higher qualifications in the age-group 18—35 who are living in all the areas of the country except cities with more than 1 million population as per 1981 census and have no access to alternative sources of finance. Up to the year, 1985-86, eligible entrepreneurs were provided a composite loan (working capital and term loan) not exceeding Rs. 25,000 by the Banks. The Government of India provides an outright capital subsidy to the extent of 25 per cent of the loan contracted by the entrepreneurs from the banks.

18.21 The Government of India has made a number of modifications to give a new thrust to the scheme. From the year 1986-87, the limit of loan for industrial ventures has been increased to Rs. 35,000. For the service sector, the loan limit continues to be Rs. 25,000 while for business ventures, it has been reduced to Rs. 15,000. The percentage of ventures to be financed under the scheme remains the same, namely, at least 50 per cent of these would pertain to industry and not more than 30 per cent would be for business. The level of subsidy provided by the Government of India continues to be 25 per cent. The eligibility qualifications for industrial and service ventures also include those who have qualified from Industrial Training Institutes. A ceiling of income of Rs. 10,000 per family per annum has been fixed as the criteria for determining eligibility. Among the beneficiaries, 30 per cent reservation has been made for scheduled castes and scheduled tribes.

18.22 The scheme has received an overwhelming response from the educated unemployed youths. The target fixed, beneficiaries covered and loans sanctioned in Punjab since the inception of the scheme are given below :—

Year	Target	No. of beneficiaries	Amount of loan sanctioned (in crores)
1983-84	6,700	9,047	16.90
1984-85	12,000	12,195	24.63
1985-86	15,000	12,497	20.60
1986-87	15,000	15,047	34.31
1987-88	7,500	7,718	17.23
1988-89	15,000	14,488	31.62
1989-90	7,500	6,787	13.68
1990-91	7,675	7,453	7.99
1991-92	7,700	—	—

The target for the year 1990-91 was fixed to 7,675 beneficiaries by the Government of India against which 7,453 beneficiaries were sanctioned loan of Rs. 7.99 crores. The target for the year 1991-92 is to cover 7,700 beneficiaries.

18.23 With the new thrust given to the scheme, it is expected that more educated unemployed youths will come forward enthusiastically to take advantage of the scheme and utilize the self-employment opportunities. It is, however, felt that the amount of loan for setting up industrial ventures is inadequate and it should be raised to Rs. 50,000 per beneficiary and two or more eligible persons should be allowed to set up viable units jointly.

(ii) **Self-Employment Programme for the Urban Poor (SEPUP) :**

18.24 This scheme was introduced by the Government of India during 1986-87 for the self-employed persons in the urban areas with population exceeding 10,000 as per 1981 census with a view to eradicating poverty among the urban poor. Under this scheme, a borrower, whose family income is less than 600 per month and has not availed of loan from any bank/credit institution under any other scheme is eligible for loan upto Rs. 5,000 at an interest rate of 10 per cent per annum payable in 33 equal monthly instalments after an initial moratorium period of 3 months. The Central Government provides capital subsidy of 25 per cent of loan sanctioned by the bank. In Punjab, an amount of Rs. 599.85 lacs was sanctioned to 13,246 beneficiaries by the Commercial Banks out of which an amount of Rs. 496.53 lacs was disbursed to 11,022 beneficiaries upto March, 31, 1989.

**Action plan for providing jobs to one lakh Educated Unemployed youth in Punjab during 1990-91 :**

18.25. The State Government has approved an action plan for providing employment to one lakh educated unemployed youth within the age group of 18—35 years during 1990-91. The following targets have been fixed for employment.

	Target (Number)
1. Wage employment in Industrial Sector	30,000
2. Self Employment in Industrial Sector	20,000
3. Self-employment in Business and Services Sector	10,000
4. Employment in Transport Sector	10,000
5. Employment in Non-Farm Sector—	
(i) Dairying	20,000
(ii) Poultry	5,000
(iii) Fisheries	3,000
(iv) Piggery	2,000
<b>Total</b>	<b>1,00,000</b>

An Empowered Committee under the Chairmanship of Chief-Secretary has been constituted to examine and approve individual schemes drawn up by different departments. The empowered committee keeping in view the shortage of time and resources constraint, has decided to reduce the target during the current year for various departments. It has been decided to achieve the target under this scheme by the end of 1991-92. Nearly 40,000 youth have been provided employment/self-employment during 1990-91 under this programme.

#### **Eradication of unemployment in three Border Districts :**

18.26. It is under the active consideration of the State Government to give trial to the concept of the zero-unemployment in three border districts of the State namely Amritsar, Gurdaspur and Ferozepur during the Eighth Five-Year Plan 1992-97 period. Initially, the educated unemployed persons registered with the employment exchanges in these border districts are to be provided employment/self-employment. The programme has been taken in the Special Economic Package for Punjab. A proposal for implementing this programme has been sent to Planning Commission. The abstract of total requirements of funds for this scheme as per proposal sent to Planning Commissioner is at Annexure X. The scheme will be started after the funds are released by Government of India.

#### **National Task Force Centre, Now renamed as Centre for Training and Employment of Border Youth.**

18.27 After prolonged deliberations and discussions a National Task Force Centre (Since Renamed The Centre for Training and Employment of Border Youth) has been established. Main object of this centre is to rein-identified youth away from the illicit activities, by providing employment oriented training and upgrade their skill and discipline to make them employable. During their stay in the camp, the youth are paid Rs. 400 as stipend and Rs. 300 per month are spent as diet money, besides free facilities of rented accommodation in the camps. During the year 1991-92 nearly 5000 youth will be selected for employment/self employment. A sum of Rs. 7.00 crores has been kept for 1992-93 and targets for employment/self employment is 5000. The State Government has decided to extend this programme to other districts of the State also.

#### **Direct Employment Generation During the 7th Plan Period and Annual Plans 1990-91, 1991-92, 1992-93**

18.28 The direct employment content of a project, programme or scheme has been defined as the quantum of employment which is directly generated or is expected to be generated under the project, programme or scheme, is financed from the funds allocated to the project, programme or scheme, either directly or through an executing agency which, in some cases may be contractor and thus related directly to the outlay or expenditure on the project programme or scheme. Direct employment has been bifurcated into (i) construction (or *ad hoc*) employment

involved in the construction of a facility and (ii) continuing employment involved in the maintenance and utilisation of the facility in the production and distribution of goods and services etc. The data on construction employment is measured in person days (taking a person day as work put in by one person in a full working day). The data on continuing employment is measured in person years (taking a person year as the work put in by one person in a full year of 273 working days). The work put in by persons working for parts of the year is converted into equivalent standard person years.

18.29 The estimates of direct employment (construction and continuing) generation during the Seventh Plan (1985-90) Annual Plan 1990-91 1991-92 (Estimated) and Annual Plan 1992-93 (Target), are given in table below. These estimates are based on the information furnished by the State Government Departments/Organisations concerned with plan. A request was made to the State Government Departments/Organisation to supply detailed notes indicating the norms and methodology adopted by them for estimating the employment generation under various schemes. However, the response from the departments was not encouraging. Broadly, employment content is estimated by working out all the details separately for each scheme. No standard norms can be evolved as these differ from scheme to scheme. Thus, it is not possible to adopt any methodology or norms for estimating the employment content of the Plan Schemes on an uniform and comparable basis. The estimates of total employment content during the 7th Plan and the Annual Plans 1990-91, 1991-92, 1992-93 are given below :—

#### **Estimates of Employment Generation**

	Employment content ('000 persons)
7th Plan (1985-90)	825.84
<b>Annual Plans :</b>	
1990-91 (Estimated)	236.32
1991-92 (Estimated)	326.31
1992-93 (Estimated)	399.95

The sub-heads of development, having significant impact on generation of additional (continuing) employment are Power, General Education, Medical and Public Health, Industry, Road Transport, Animal Husbandary, Agriculture and Co-operation. Construction employment is generated in the Departments such as Public Works, Irrigation, Power Soil Conservation, Forest, Urban Development and Rural Water Supply.

**Employment Strategy :**

18.30 Full employment is both the object and consequence of economic planning. There are, of course, various limitations on the expansion of employment opportunities and providing jobs for all the new entrants to the labour force is a stupendous task. Punjab is the leading State in the agriculture and Punjab agriculture is the most highly mechanised in the country. An increase of agricultural production would lead to reduction in under employment rather than creation of additional employment. Being a border State, Punjab can not attract large and medium industries due to its geographical location. Lack of mineral and energy resources, remoteness from the ports and from coal and metallurgy centres etc. place the State in a highly disadvantageous position in regard to its rapid industrial development. Moreover, an increase in industrial production does not lead to a proportional growth of opportunities for

employment because most of the new processes used in large and medium industries are based on high productivity techniques.

18.31 Notwithstanding continued efforts at creation of additional employment opportunities both under the Five-Year Plans and outside them, self-employment and self-entrepreneurship still hold a lot of promises in alleviating the unemployment problem because the organised sector has a limited absorptive capacity. Punjab has a long tradition of small industries and it is not lacking in entrepreneurship. The problem of unemployment cannot be solved unless the unemployed persons go in for self-employment on a massive scale. Realising this, the State Government has adopted policy of encouragement of small scale, tiny and ancillary units through training, financial assistance in the form of interest and investment subsidies and margin money to help the entrepreneurs to raise loans from banks and financial institutions.

## CHAPTER XVIII-A

### ENTREPRENEURSHIP DEVELOPMENT PROGRAMMES

18.32. The following schemes/programmes have been included in the Annual Plan 1992-93 for entrepreneurial training programmes by different Departments.

#### **Dairy Development :**

18.33. (i) For providing more opportunity for self-employment in rural area of the State 2,000 unemployed rural educated youth will be given scientific/commercialised dairy training for creating/promoting entrepreneurship in the rural youth for setting up equal number of dairy units during 1992-93. For providing one month training one more regional dairy training complex would be set up in Phagwara besides strengthening the three already established such centres. A sum of Rs. 130.00 lakhs has been kept for 1992-93.

#### **Rural Development :**

##### **(i) Trysem :**

18.34. Under TRYSEM, which is a Centrally Sponsored Scheme rural youth is imparted training for equipping them with entrepreneurial skill and technology and enable them to seek self employment. Training is imparted in different trades and activities which lead to self-employment. Training is provided by different institutions such as Gram-Sewak Training Centre, Agriculture and other Universities and other State and Central Organisations. The important mode of training at present is through local service establishments, industrial units, master craftsmen, artisans and skill workers. For this purpose an outlay of Rs. 65.00 lakhs for 1992-93 has been provided. It is envisaged that with this amount 8,000 persons in 1992-93 will be imparted training. Matching share will also be provided by Government of India.

##### **(ii) Dwera :**

18.35. As adequate benefits were not reaching to the women under IRDP a programme for the Development of Women and Pre-School Children in Rural Areas was introduced in 1982 at national level with a view to provide entrepreneurial opportunities, for increasing their income and also giving support services for income generating activities. The assistance is provided by Government of India and State Government on matching basis to the organised homogeneous groups of women to take up economically viable activities together with provision of support services and child-care facilities. In addition to this UNICEF meets expenditure on staff and basic child care facilities at work sites and equipment for training and demonstration. To assist 500 groups of women, an outlay of Rs. 25.50 lakhs has been provided during 1992-93 Matching share would also be provided by Government of India.

##### **(iii) Assistance to Mahila Mandals, Balwadis and Craft Centres :**

18.36. 11,549 Mahila Mandals have been organised in the State upto 1990-91. The main purpose of this

scheme is to impart entrepreneurial skill to the women so as to enable them to augment their earnings and also to propagate the eradication of social evils, such as dowry, drinking, etc. Under the scheme seed money is provided at the rate of Rs. 15,000 per Mahila Mandal for taking up various activities such as manufacturing of Durries, Pullovers, garments, leather purses, bags and embroidered articles, preparation of washing soaps, etc. For different programmes under the scheme an outlay of Rs. 27.68 lakhs for 1992-93 has been provided.

#### **Industry**

##### **(i) Assistance for training of multi-disciplinary Managers :**

18.38. This is a new programme under which assistance for training of multi-disciplinary functionaries is proposed to be given. This training will be imparted in the existing universities/institutions. An amount of Rs. 2.00 lacs has been provided for 1992-93.

##### **(ii) Assistance for (EDP) Training Programme :**

18.37. This is also a new programme under which assistance will be given for Entrepreneur Development Programme (EDP). A number of such programmes will be conducted throughout the State in collaboration with NITCON, SISI, Banks, PFC and other institutes. An amount of Rs. 2.00 lacs for 1992-93 Plan has been kept.

##### **(iii) On the Job training for beneficiaries of Self-Employment Programme**

18.39. Under this Programme on the job training is imparted to the beneficiaries of 'Special Employment Programme' to start self-employment ventures as well as to seek gainful employment in different disciplines in the industrial sector.

#### **Technical Education**

18.40. The scheme 'Industry Institute Interaction' has been started during Annual Plan (1992-93) with an outlay of Rs. 11.48 lakhs. The main features of this programme is that the number of students trained under various trades in the respective Institutes will be directly employed in the industries after completion of their training. During Annual Plan 1992-93 about 3,000 persons will be given employment under this programme.

#### **Industrial Training :**

18.41 It has been experienced that ITI passed out trainees are handicapped to start their own ventures because of lack of proper guidance and knowledge regarding planning, preparation of project reports and completion of various other formalities in this regard. Due to these drawbacks these trainees only go in for paid jobs. This has increased number of job-seekers. To tackle this problem, it is essential that these passed out trainees be provided proper and specific skills to start their own ventures. For the purpose provision of Rs. 5.00 lacs has been made for the year 1992-93.



## ANNEXURE I

Main Workers, Marginal Workers, and Non-workers classified by Sex and Residence and their percentage distribution to total population in Punjab according to 1981 Census

Residence/Sex	Population 1981	Main Workers	Marginal Workers	Total Workers (Col. 3+ Col. 4)	Non-Workers	Percentage to total Population			
						Main Workers	Marginal Workers	Total Workers (Col. 7+ Col. 8)	Non- Workers
1	2	3	4	5	6	7	8	9	10
<b>Rural</b>									
Male ..	64,44,464	34,58,529	50,553	35,08,882	29,35,582	53.66	0.79	54.45	45.55
Female ..	56,96,694	98,096	2,94,963	3,93,059	53,03,635	1.72	5.18	6.90	93.10
Persons ..	1,21,41,158	35,56,425	3,45,516	39,01,941	82,39,217	29.29	2.85	32.14	67.86
<b>Urban</b>									
Male ..	24,92,746	12,91,317	4,145	12,95,462	11,97,284	51.80	0.17	51.97	48.03
Female ..	21,55,011	80,017	10,491	90,508	20,64,503	3.71	0.49	4.20	95.80
Persons ..	46,47,757	13,71,334	14,636	13,85,970	32,61,787	29.51	0.31	29.82	70.18
<b>Total</b>									
Male ..	89,37,210	47,49,646	54,698	48,04,344	41,32,866	53.15	0.61	53.76	46.24
Female ..	78,51,705	1,78,113	3,05,454	4,83,567	73,68,138	2.27	3.89	6.16	93.84
Persons ..	1,67,88,915	49,27,759	3,60,152	52,87,911	1,15,01,004	29.35	2.15	31.50	68.50

Source:—Census of India, 1981 Series, I, Part IIB(i) Primary Census Abstract, General Population.

## ANNEXURE II

Distribution of Main workers by cultivators, Agricultural Labourers, Household Industries and other workers in Punjab

	1971			1981 Total			Increase during 1971-81			Percentage increase		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
1	2	3	4	5	6	7	8	9	10	11	12	13
Cultivators	16,61,020 (43·27)	4,133 (5·58)	16,65,153 (42·56)	17,56,779 (36·99)	10,507 (5·90)	17,67,286 (35·86)	95,759	6,374	1,02,133	5·76	154·22	6·13
Agricultural Labourers	7,78,613 (20·29)	8,092 (10·92)	7,86,705 (20·11)	10,47,175 (22·05)	45,050 (25·29)	10,92,225 (22·17)	2,68,562	36,958	3,05,520	34·49	456·72	38·8
Household Industries	1,18,764 (3·09)	5,338 (7·21)	1,24,102 (3·17)	1,18,534 (2·49)	8,652 (4·86)	1,27,186 (2·58)	(-)230	3,314	3,084	(-)0·19	62·08	2·48
Other Workers	12,80,120 (33·35)	56,512 (72·29)	13,36,632 (34·16)	18,27,158 (38·47)	1,13,904 (63·96)	19,41,062 (39·39)	5,47,038	57,392	6,04,430	42·73	101·56	45·22
Total	38,38,517 (100·00)	74,075 (100·00)	39,12,592 (100·00)	47,49,646 (100·00)	1,78,113 (100·00)	49,27,759 (100·00)	9,11,129	1,04,038	10,15,167	23·74	140·45	25·95

Note:—Figures in brackets show percentage to total

Source:—Census of India, 1981 Series 17—Punjab, Paper-I of 1981, Supplement, Provisional Population Totals.

\*Census of India, 1981, Series-I, India, Part-II(B) Primary Census Abstract—General Population.

## ANNEXURE III

Distribution of population (age-group 15—59) in Punjab by usual activity status, residence and sex, 32nd Round (July, 1977—June, 1978) and 38th Round (Jan.—December, 1983) of NSSO (State Sample)

(Figures in hundreds)

Activity Status	Residence	32nd Round (July, 1977—June, 1978)			38th Round (January—December, 1983)		
		Males	Females	Total	Males	Females	Total
1	2	3	4	5	6	7	8
(a) Working Force	Total	36,215 (84.27)	1,882 (4.70)	38,097 (45.90)	42,549 (88.01)	1,498 (3.53)	44,047 (48.49)
	Rural	27,215 (85.39)	1,223 (4.06)	28,438 (45.87)	29,512 (88.81)	831 (2.80)	30,343 (48.20)
	Urban	9,000 (81.04)	659 (6.66)	9,659 (45.01)	13,037 (86.24)	667 (5.23)	13,704 (49.15)
(b) Unemployed	Total	981 (2.28)	179 (0.45)	1,160 (1.40)	997 (2.06)	290 (0.68)	1,287 (1.42)
	Rural	682 (2.14)	55 (0.18)	737 (1.19)	640 (1.92)	180 (0.60)	820 (1.30)
	Urban	299 (2.69)	124 (1.26)	423 (2.01)	357 (2.36)	110 (0.86)	457 (1.68)
(c) Labour Force (a + b)	Total	37,196 (86.55)	2,061 (5.15)	39,257 (47.30)	43,546 (90.07)	1,788 (4.21)	45,334 (49.91)
	Rural	27,897 (87.53)	1,278 (4.24)	29,175 (47.06)	30,152 (90.73)	1,011 (3.40)	31,163 (49.50)
	Urban	9,299 (83.73)	783 (7.92)	10,082 (48.02)	13,394 (88.60)	777 (6.09)	14,171 (50.83)
(d) Outside Labour Force	Total	5,782 (13.45)	37,951 (94.85)	43,733 (52.70)	4,802 (9.93)	40,695 (95.79)	45,407 (50.09)
	Rural	3,976 (12.47)	28,845 (95.76)	32,821 (52.94)	3,079 (9.27)	28,708 (96.60)	31,787 (50.50)
	Urban	1,806 (16.27)	9,016 (92.08)	10,912 (51.98)	1,723 (11.40)	11,987 (93.91)	12,710 (49.17)

## Notes:—

- (1) Projected population of the age-group 15—59 has been given.
- (2) Figures in brackets are percentages to vertical totals.

Source: Economic & Statistical Organisation, Punjab.

## ANNEXURE IV

Statement showing the number of work-seekers (Categorywise) as on the Live Registers of Employment Exchanges in Punjab as on 31st March, 1989, 31st March, 1990 and 31st March, 1991

Category	No- of work-seekers as on			Increase/ decrease during 31-3-90 over 31-3-89	%age increase/ decrease during 31-3-90 over 31-3-89	Increase/ decrease during 31-3-91 over 31-3-90	%age increase/ decrease during 31-3-91 over 31-3-90
	31-3-89	31-3-90	31-3-91				
1	2	3	4	5	6	7	8
<b>A- Educated</b>							
<b>(i) Technical—</b>							
1. Graduate Engineers	348	437	816	89	25.57	379	86.72
2. Diploma Engineers	4,357	5,189	6,986	832	19.09	1,797	34.63
3. ITI Trained Craftsmen	27,499	28,147	32,180	648	2.36	4,033	14.33
4. Other Craftsmen	11,916	5,957	3,402	(—)5,959	(—)50.00	2,555	42.89
5. Allopathic Doctors	14	27	51	13	92.86	24	88.89
6. Doctors (others)	222	275	371	53	23.87	96	34.91
7. Para-medical Personnel	3,065	3,887	2,979	822	26.82	(—)908	(—)23.35
8. Agricultural Specialists	545	643	952	98	17.98	(—)309	(—)48.05
9. Veterinary Graduates	7	4	12	(—)3	(—)42.86	8	50.00
10. Dairy Graduates	—	—	—	—	—	—	—
11. Teachers (B.Ed. & M. Ed.)	21,025	23,425	30,182	2,400	11.41	6,757	28.84
12. Teachers (JBT)	4,153	3,083	2,829	(—)1,070	(—)25.76	(—)254	(—)8.24
13. Teachers (Others)	16,508	15,885	16,762	(—)623	(—)3.77	877	5.52
14. Total Technical	89,659	86,959	97,522	(—)2,700	(—)3.01	10,563	12.15
<b>(ii) Non-Technical—</b>							
15. Graduate Freshers	30,868	35,934	39,162	5,066	16.41	3,228	8.98
16. Post-Graduate Freshers	9,041	10,581	11,383	1,540	17.03	802	7.58
17. Matriculates & below Graduates	1,72,481	2,01,982	2,42,973	29,501	17.10	40,991	20.29
18. Total Non-Technical	2,12,390	2,48,497	2,93,518	36,107	17.00	45,021	18.12
19. Total Educated (14+18)	3,02,049	3,35,456	3,91,040	33,407	11.06	55,584	16.57
<b>B. Other than covered above</b>	2,70,717	2,86,806	3,00,943	16,089	5.94	14,137	4.93
<b>Total Live Register (A+B)</b>	5,72,766	6,22,262	6,91,983	49,496	8.64	69,721	11.20

Source :—Director of Employment, Punjab.

## ANNEXURE—V

Growth of employment in the Organised Sector, Public Sector and Private Sector in Punjab as on the 31st March

Sector	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
1	2	3	4	5	6	7	8	9	10	11	12
<b>I. Public Sector</b>											
(a) Central Government	67,460 (10·62)	67,021 (10·21)	65,440 (9·70)	66,193 (9·48)	68,010 (9·65)	67,711 (9·38)	69,234 (9·42)	71,505 (9·48)	69,667 (9·11)	69,819 (8·88)	72,308 (9·14)
(b) State Government	2,55,505 (40·23)	2,59,097 (39·47)	2,67,566 (39·66)	2,76,331 (39·60)	2,76,145 (39·19)	2,78,520 (38·59)	2,78,244 (37·87)	2,78,937 (36·96)	2,81,064 (36·75)	2,89,787 (36·85)	2,93,357 (37·10)
(c) Quasi Government	1,166,606 (18·36)	1,25,150 (19·06)	1,34,058 (19·87)	1,39,717 (20·02)	1,43,753 (20·40)	1,51,544 (20·99)	1,59,779 (21·74)	1,63,981 (21·73)	1,65,931 (21·69)	1,73,104 (22·01)	1,71,618 (21·69)
(d) Local Government	28,244 (4·44)	99,118 (4·44)	30,364 (4·50)	30,619 (4·39)	31,223 (4·43)	31,971 (4·43)	32,667 (4·45)	32,223 (4·40)	33,596 (4·39)	33,487 (4·26)	32,556 (4·11)
<b>Total (I)</b>	<b>4,67,795</b> (73·65)	<b>4,80,386</b> (73·18)	<b>4,97,428</b> (73·73)	<b>5,12,860</b> (73·49)	<b>5,19,131</b> (73·67)	<b>5,29,746</b> (73·39)	<b>5,39,924</b> (73·48)	<b>5,47,646</b> (72·57)	<b>5,50,258</b> (71·94)	<b>5,66,197</b> (71·99)	<b>5,70,659</b> (72·64)
<b>II Private Sector</b>	<b>1,67,340</b> (26·35)	<b>1,76,080</b> (26·82)	<b>1,77,235</b> (26·27)	<b>1,85,024</b> (26·51)	<b>1,85,478</b> (26·33)	<b>1,92,040</b> (26·61)	<b>1,94,881</b> (26·52)	<b>2,06,996</b> (27·43)	<b>2,14,618</b> (28·00)	<b>2,20,237</b> (28·00)	<b>2,21,230</b> (27·96)
<b>Grand Total I—II</b>	<b>635,135</b> (100·00)	<b>6,56,466</b> (100·00)	<b>6,74,663</b> (100·00)	<b>6,97,884</b> (100·00)	<b>7,04,609</b> (100·00)	<b>7,21,786</b> (100·00)	<b>7,34,805</b> (100·00)	<b>7,54,640</b> (100·00)	<b>7,64,876</b> (100·00)	<b>7,86,434</b> (100·00)	<b>7,91,289</b> (100·00)

Notes: Figures in brackets are percentage to vertical totals.

Source—Director of Employment, Punjab.

## ANNEXURE—VI

Estimates of Labour Force (Age-group 15—59 years) in Punjab classified by Residence and Sex on usual activity status as available in the 38th Round (Jan—Dec., 1983) of NSS (State Sample)

(Persons in lakhs)

Residence/Sex	As on 31st March						Increase during 1985—90 (Col. 7—Col. 2)	Average Annual Increase
	1985	1986	1987	1988	1989	1990		
I	2	3	4	5	6	7	8	9
<b>Rural:</b>								
Males	33·89	34·44	35·01	35·58	36·16	36·76	2·87	0·574
Females	1·12	1·14	1·16	1·18	1·20	1·22	0·10	0·020
Persons	35·01	35·58	36·17	36·76	37·36	37·98	2·97	0·594
<b>Urban:</b>								
Male	14·94	15·50	16·09	16·69	17·33	17·98	3·04	0·608
Female	0·89	0·92	0·96	0·99	1·03	1·07	0·18	0·036
Persons	15·83	16·42	17·05	17·68	18·36	19·05	3·22	0·644
<b>Total :</b>								
Males	48·83	49·94	51·10	52·27	53·49	54·74	5·91	1·182
Females	2·01	2·06	2·12	2·17	2·23	2·29	0·28	0·056
Persons	50·84	52·00	53·22	54·44	55·72	57·03	6·19	0·238

## ANNEXURE—VII

Estimates of Working Force (Age-group 15—59 years) in Punjab classified by Residence and Sex on usual activity status basis as available in the 38th Round (Jan.—Dec. 1983) of NSS (State Sample)

(Persons in lakhs)

Residence/Sex	As on 31st March						Increase during 1985—90 (Col. 7—Col. 2)	Average Annual Increase
	1985	1986	1987	1988	1989	1990		
1	2	3	4	5	6	7	8	9
<b>Rural :</b>								
Males	33.17	33.72	34.27	34.83	35.40	35.98	2.81	0.562
Females	0.92	0.94	0.96	0.97	0.99	1.00	0.08	0.016
Persons	34.09	34.66	35.23	35.80	36.39	36.98	2.98	0.578
<b>Urban :</b>								
Males	14.54	15.09	15.66	16.25	16.87	17.50	2.96	0.592
Females	0.76	0.79	0.82	0.85	0.88	0.92	0.16	0.032
Persons	15.30	15.88	16.48	17.10	17.75	18.42	3.12	0.624
<b>Total :</b>								
Males	47.71	48.81	49.93	51.08	52.27	53.48	5.77	1.154
Females	1.68	1.73	1.78	1.82	1.87	1.92	0.24	0.048
Persons	49.39	50.54	51.71	52.90	54.14	55.40	6.01	1.202

## ANNEXURE—VIII

Estimates of unemployed (Age-group 15—59 years) in Punjab classified by Residence and Sex on usual activity status as available in the 38th Round (Jan.—Dec., 1983) of NSS (State Sample)

(Persons in thousands)

Residence/Sex	As on 31st March						Increase during 1985—90 (Col. 7—Col. 2)	Average Annual Increase
	1985	1986	1987	1988	1989	1990		
1	2	3	4	5	6	7	8	9
<b>Rural :</b>								
Males	71.72	72.89	74.08	75.30	76.53	77.79	6.07	1.214
Females	19.81	20.14	20.47	20.80	21.14	21.49	1.68	0.336
Persons	91.53	93.03	94.55	96.10	97.67	99.28	7.75	1.550
<b>Urban :</b>								
Males	39.78	41.29	42.85	44.47	46.15	47.90	8.12	1.624
Females	12.53	13.01	13.50	14.01	14.54	15.09	2.56	0.512
Persons	52.31	54.30	56.35	58.48	60.69	62.99	10.68	2.136
<b>Total :</b>								
Males	111.50	114.18	116.93	119.77	122.68	125.69	14.19	2.838
Females	32.34	33.15	33.97	34.81	35.68	36.58	4.24	0.848
Persons	143.84	147.33	150.90	154.58	158.36	162.27	18.43	3.686

## ANNEXURE—IX

Number of beneficiaries and amount of loan advanced by various Corporation/Government Departments under the State Sector Schemes

Sr. No.	Name of the Corporation	Year	Amount of Loan Advanced			Amount of subsidy	Number of Beneficiaries		
			(Rs. in lakhs) Direct lending schemes	Bank tie up schemes	(Col. 4 + Col. 5)		Direct lending Schemes	Bank Tie up schemes	Total (Col. 8 & Col. 9)
1	2	3	4	5	6	7	8	9	10
1	Punjab Scheduled Castes Land Dev. and Finance Corporation Limited	1985-86 (Actual)	201.95	1,261.92	1,463.87	410.30	1,312	25,887	27,199
		1986-87 (Actual)	74.41	1,359.95	1,434.36	440.55	668	24,010	24,678
		1987-88 (Actual)	86.40	1,396.35	1,482.75	451.01	835	21,848	22,683
		1988-89 (Actual)	26.62	1,538.44	1,565.06	500.00	311	21,190	21,501
		1989-90 (Actual)	48.52	1,608.12	1,565.64	519.99	569	25,554	26,123
		1990-91 (Actual)	62.50	2,504.40	2,566.90	789.24	309	29,086	29,395
		1991-92 (Target)	100.00	1700.00	1800.00	850.00	1500	2,500	4,000
2	Punjab Backward Classes Land Dev. and Finance Corporation Limited	1985-86 (Actual)	7.42	239.03	246.45	—	126	4,395	4,521
		1986-87 (Actual)	10.08	201.52	211.60	—	149	3,071	3,220
		1987-88 (Actual)	11.26	142.24	153.50	—	143	1,914	2,057
		1988-89 (Actual)	61.14	206.91	268.05	—	1,011	2,539	3,550
		1989-90 (Actual)	135.00	240.00	385.00	—	1,288	2,856	4,144
		1990-91 (Actual)	126.02	194.47	320.49	43.17	1,347	2,080	3,427
		1991-92 (Target)	135.00	240.00	375.00	60.00	1,500	3,000	4,500
3	Punjab Ex-Servicemen Corporation Limited	1985-86 (Actual)	—	197.84	197.84	2.56	—	1,818	1,818
		1986-87 (Actual)	—	182.35	182.35	—	—	1,492	1,492
		1987-88 (Actual)	—	191.44	191.44	—	—	1,205	1,205
		1988-89 (Actual)	—	200.00	200.00	21.00	—	1,120	1,120
		1989-90 (Actual)	—	200.00	200.00	16.00	—	1,151	1,151
		1990-91 (Actual)	—	52.35*	52.35	17.46	—	630	630
		1991-92 (Target)	—	200.00	200.00	64.00	—	2,000	2,000
4	Punjab Women and Children Development Welfare Corporation Limited	1985-86 (Actual)	0.10	141.22	141.22	4.00	1	3,956	3,956
		1986-87 (Actual)	6.15	72.10	78.25	8.00	108	2,161	2,269
		1987-88 (Actual)	11.94	138.53	150.47	5.00	252	3,483	3,735
		1988-89 (Actual)	12.00	140.00	152.00	N.A.	250	3,000	3,250
		1989-90 (Actual)	10.00	120.00	130.00	N.A.	250	2,000	2,250
		1990-91 (Actual)	—	43.62	43.62	14.52	—	705	705
		1991-92 (Target)	—	45.00	45.00	15.00	—	500	500
5	Total (1 to 4)	1985-86 (Actual)	209.47	1,840.01	2,049.48	416.86	1,439	36,056	37,495
		1986-87 (Actual)	90.64	1,815.92	1,906.56	448.55	925	30,734	31,659
		1987-88 (Actual)	109.60	1,868.56	1,978.16	456.01	1,230	28,450	29,680
		1988-89 (Actual)	99.76	2,085.35	2,185.11	521.00	1,416	27,849	29,265
		1989-90 (Actual)	193.52	2,168.12	2,361.64	535.99	2,107	31,561	33,668
		1990-91 (Actual)	188.52	2,794.84	2,983.36	864.39	1,656	32,501	34,157
		1991-92 (Target)	235.00	2,185.00	2,420.00	989.00	3,000	8,000	11,000

\*Tentative

## ANNEXURE—X

## Abstract of Total Requirement of funds for the Zero-Unemployment in three border districts of Punjab

Scheme	No. of Beneficiaries	Total Amount	State Share	Beneficiaries Share	Financial Institutions	Requirement of funds for the year 1991-92
		Rs. (in crores)	Rs. (in crores)	Rs. (in crores)	Rs. (in crores)	(in crores)
1. Scheme for setting up small Scale Industries (including Agro-based industry)	1800	180.00	27.00	9.00	144.00	7.00
2. Scheme for Allied Agriculture activities for unemployed teachers, post graduates, graduates and agriculture specialists	18260	237.38	36.52	11.87	188.99	9.13
3. Scheme for craftsmen, under graduates and matriculates	84000	840.00	252.00	42.00	546.00	63.00
4. Scheme for unemployed teachers	2500	18.00	18.00	—	—	4.50
<b>Total</b>	<b>106560</b>	<b>1275.38</b>	<b>333.52</b>	<b>62.87</b>	<b>878.99</b>	<b>83.63</b>





## CHAPTER-XIX

### REVISED MINIMUM NEEDS PROGRAMME

The Revised Minimum Needs Programme includes the following programmes:—

- (i) Elementary Education
- (ii) Adult Education
- (iii) Rural Electrification
- (iv) Rural water Supply
- (v) Environmental improvement of slums
- (vi) Nutrition

19.2 In Draft 8th Plan & A.P. 1922-93, as outlay

of Rs. 57642.00 lakhs and Rs. 9156.00 lakhs has been proposed for this purpose.

#### Elementary Education :

19.3 The Elementary Education under the 'Minimum Needs Programme' includes (i) Primary Education age group 6—11 (I—V classes) and (ii) Middle education age group 11—14 (VI—VIII classes) Allocations being provided under these programmes for the Annual Plan 1992-93 are as under :—

(Rs. in lakhs)

Name of the Scheme	Annual Plan 1992-93		
	Total Allocation	Distt. level	State level
1	2	3	4
1 Primary Education	562.00	541.00	21.00
2 Middle Education	66.00	50.00	16.00
Total	628.00	591.00	37.00

19.4 5 new Government primary schools would be opened in new colonies/harijan basties/uncovered area, pre-primary classes will also be started in 100 Government Primary Schools. One each primary school from the existing 20 educational blocks would be converted into Government Model Primary Schools. These schools would be provided additional class room, play fields and other infrastructural facilities. Additional posts of one peon-cum-chowkidar would also be provided to in the schools to be converted into model schools. The physical deficiencies in the form of buildings, lavatory and drinking water facilities, furniture etc. would also be identified at the grassroots level and accordingly would be removed from the Government primary schools out of funds devolved to the districts. Physical deficiencies from the existing middle schools will also be removed out of funds to be devolved to the districts.

#### Rural Electrification :

19.5 All the 12,126 inhabited villages in the State wise electrified by 10th May, 1976. The

next step is to intensify and improve the use of power in the rural area. The most important activities under the programme would be—

- (i) the energisation of tubewells/pumpsets and replacement of diesel engines by electric motors;
- (ii) Electrification post-harvest operations and cottage and small industries;
- (iii) More intensive coverage of rural households including Harijan Basties; and
- (iv) Improvement of supply condition by augmentation and improvement of works.

19.6 Rs. 30.00 crores for Annual Plan 1992-93 is being provided to energise 25,000 pumpsets during 1992-93. This scheme is being implemented by the District Planning and Development Boards.

**Rural Health :****PH 3.1 (a) Opening of new Sub-Centres M.P.W.—strengthening of existing sub-centres and providing of medicines in existing sub-centres.**

A sub-centre is provided to serve a rural population of 5000 app. By the end of 7th Plan 2852 sub-centres were in position, 112 sub-centres were set up during 1990-91, same is the target for 1991-92. An allocation of Rs. 190.00 lacs has been provided for the establishment of 60 sub-centres in the year 1992-93. Along-with these steps as per norms of G.O.I. each subcentre is to be provided with medicines worth Rs. 2,000 lacs per annum so as to provide medical treatment to pregnant mothers, children and general public. Last year the G.O.I. had decided to provide medicine for sub-centres being funded by G. O. I. only. Therefore the rest of sub-centres are required to be covered under minimum needs programme.

**PH 3.2(a) Construction of Housing Colony in Selected Blocks of the State for Doctors and Para Medical Staff.**

There are 330 PHC (Mini) and 1246 subsidiary Health Centres functioning in the rural areas of the State. A large number of these are functioning in the buildings provided by the Gram Panchayats as temporary arrangement. In the absence of proper building the adequacy of services being provided by these institutions is not satisfactory. As such it is essential to provide buildings and staff quarters at those institutions in a phased manner.

During 1991-92 a sum of Rs. 50.00 lacs was provided for the construction of buildings of colonies for medical officers in selected blocks of the state in Rural areas so as to create a nucleus for round the clock services in such blocks.

A sum of Rs. 145.00 lacs on the capital side is provided for the year 1992-93.

**PH 3.2(b) Grant-in-aid for Construction of Buildings for sub-Centres PHC's and CHC's**

As a result of the rapid increase in the setting up of medical institutions there has been a big backlog in the provision of buildings for the institutions. As at present there are approximately 320 Primary Health Centres, 985 Subsidiary Health Centres and more than 2000 Sub-Centres which are without proper buildings. In the absence of proper buildings the desired quality of services cannot be provided.

In order to provide buildings for these institutions it is proposed to solicit the participation of the community in the form of free land for the construction of buildings and the 50% of the cost for the construction. The remaining 50% is proposed to be provided as matching grant. For this purpose it has been proposed to provide a sum of Rs. 50.00 lacs on the capital side in the Annual Plan 1992-93.

**PH 3.5—Opening/Establishment of PHC by Upgrading existing SHC's Dispensaries.**

19.8 During the 7th Plan period 330 SHC's were upgraded to the level of PHCs raising the total No. of

PHC's to 460 i.e. one for approximately 30,000 population. It was proposed to upgrade 12 SHCs to the level of PHC during 1990-91 for which a sum of Rs. 280.00 lacs (225.00 lacs capital) was provided. Rs. 225.00 lacs was meant for the completion of ongoing works at 16 places.

During 1991-92 it was proposed to upgrade 12 More SHCs to PHC besides continuing the 12 being established during 1990-91. A sum of Rs. 250.00 lacs (200.00 lacs capital) was provided for this purpose. The SHC's upgraded to PHCs will be provided with one Community Health Officer, one staff Nurse, one Lab. technician and two Class-IV employees. The amount on the revenue side is meant for salary of additional staff, purchase of machinery and equipment, for provision of medicines and office expenses etc.

An amount of Rs. 225.00 lacs (165.00 lacs on Capital) is provided during 1992-93 for the continuation of 12+12 PHC's being established and for the establishment of 12 PHCs during 1992-93.

**PH 3.5 (iii) Providing of recurring expenditure for Telephone Facilities at 460 Primary Health Centres (PHC's)**

In order to establish proper referral system from PHC (at 30,000 Population level) upwards, Government of India under this scheme has provided funds on non-recurring basis for the provision of telephone facilities at all the PHC's (except where already existing) in the rural areas of the State. The purpose of this scheme is to give prior information to the higher institutions for taking suitable preparatory action for care of the patient being referred from the lower level in case of emergency.

A sum of Rs. 17.00 lacs on the revenue side is proposed to be provided during 1992-93 for payment of telephone call bills for telephone installed at these PHCs.

**PH 3.6 Continuing Education of PHC/Rural Health staff (50:50 Sharing Basis).**

Under this scheme, medical and para medical Staff working in the PHCs/Rural areas of the State is proposed to be given re-orientation training in batches after every 3—5 years at selected training schools/centres in order to update their knowledge and improve their skills. The recurring expenditure on salary, stipend etc. is shareable on 50:50 basis between State Government and Government of India. A sum of Rs. 6.00 lacs was provided during 1991-92 as 50% state share for this purpose.

An amount of Rs. 7.50 lacs is provided on this account during 1992—93 on the revenue side.

**PH 3.7 Establishment of Community Health Centres**

19.14 As per decision of cadre review committee taken in November, December, 1989, it is proposed to establish one C.H.C. for approximately every one lakh population. The projected mid year population 1995 is expected to be 156 lakhs. Thus 156 CHCs are required to be established by the year 1995. It has been further decided by the cadre review committee to provide each CHC, with a specialist in Medicine,

Surgery, Gynae and Obst. Paediatrics, Anaesthesia, Public Health and one S.M.O.

By 31st March, 1990, 70 CHCs have been established during the period following 7th Plan, it was planned to establish 16 SHCs during 1990-91 for which an amount of Rs. 135.00 lacs (Rs. 80.00 lacs capital) was provided.

During 1991-92 a sum of Rs. 100 lacs excluding funds for salaries for establishment of 18 more CHCs besides continuation of 16 CHCs being established during 1990-91. The amount under the capital Head is proposed for the provision of additional building at some of the CHCs established during the 7th Plan period.

A sum of Rs. 165.50 lacs (72.00 lacs Capital) is provided during 1992-93.

#### PH 6.2(b) Provision of Additional Laboratory Technicians in each PHC (50:50 S.B.)

National Malaria Control Programme was implemented in Punjab State in the year 1953 and switched over to the National Malaria Eradication Programme. Under the scheme 'Provision of Additional Laboratory Technician in each Primary Health Centre' one additional Laboratory Technician is to be provided to each PHC so that the blood slides under N.M.E.P. are tested immediately and Radical Treatment can be given in time.

Uptill now 100 posts of Additional Laboratory Technicians have been created during the year 1985-86 (50) & 1986-87 (50) 30 posts were proposed to be provided during 1991-92.

A sum of Rs. 26.00 lacs is provided during 1992-93 for continuation of these posts on the revenue side.

#### Rural Water Supply :

19.21 There are 12342 inhibited villages in the state, out of which 6287 villages have been declared problem villages as per the criteria laid down by Government of India. State Government has provided potable drinking water supply to 4270 villages upto 31st March, 1991 covering population of 55.60 lakhs with an expenditure of Rs. 197.70 crores. During 1991-92 an outlay of Rs. 22.00 crores was provided to cover 325 problem villages under MNP. These funds will be supplemented by a centrally sponsored programme i.e. ARP to cover additional 175 villages under this programme during 1991-92.

19.22 In addition to above Rural Water Supply scheme is being implemented in non-problem villages having population more than 5000 during 1991-92 with an outlay of Rs. 340.00 lakhs to cover 12 villages during this period.

19.23 During 1992-93, an outlay of Rs. 28.00 crores has been provided to cover 260 problem villages and 12 non-problem villages having population more than 5000 persons. In addition 320 villages has been proposed to be covered under ARP with an outlay of Rs. 30.00 crores during this period.

#### Environmental Improvement of slums :

19.24 The scheme forms an important part of the State plan and basic facilities of drinking water, drainage, pavement of streets, street lighting and community baths/latrines to the slum dwellers are to be provided under this programme. During 1990-91 actual expenditure Rs. 165.00 lakhs was incurred. An outlay of Rs. 175.00 lakhs has been provided for assistance to the local bodies for the implementation of the scheme during 1991-92.

19.25 During the year 1992-93, it is proposed to cover a population of 70,000 persons with an outlay of Rs. 175.00 lakhs.

#### Nutrition Programme :

##### Nutrition Programme

##### C.D.S. Scheme :

19.26 Supplementary Nutrition is one of the important components of the Integrated Child Development Services Schemes (ICDS). Supplementary Nutrition is given to children below 6 years of age and to nursing and expectant mothers from low income group families. Special attention is paid to children below 3 years of age in Supplementary Nutrition Programme.

19.27 The aim is to provide Supplementary feeding to bridge the calories and protein gap. Supplementary Nutrition is given to following categories of beneficiaries belonging to poor section of community for 300 days in a year :—

- (i) children in the age group of 3—6 years who come to Anganwadi Centres for non-formal pre-school activities;
- (ii) children under 6 years of age who fall in grade and are mal-nourished ;
- (iii) pregnant and lactating mothers.

Children below 6 years of age are provided Supplementary Nutrition containing 300 calories and 10—12 grams of protein expectant and nursing mothers are provided Supplementary Nutrition containing 500 calories and 20—25 grams of protein. The average cost of food supplement per child per day as under :—

- |                                       |                   |
|---------------------------------------|-------------------|
| (i) Children below 6 years            | 95 paise per day  |
| (ii) Pregnant and lactating women.    | 115 paise per day |
| (iii) Severely mal-nourished children | 135 paise per day |

19.28 It is expected that by 2000 A.D. all the remaining blocks in the State will be covered under the ICDS programmes in a phased manner, providing the following package of services to above cited beneficiaries:—

1. Supplementary Nutrition.
2. Immunisation.

3. Health check up and referral services.
4. Nutrition and Health Education.
5. Non-formal pre-school education.

19.29 Nutrition Programme was envisaged in 1972-73. It being beneficiary oriented and rural based scheme about 70% children pregnant women and expectant ladies from poor sections mainly from

Scheduled Castes are being benefitted. The remaining 30% beneficiaries are also from poor families belonging to non-S.Cs. Besides, this programmes also helps to remove untouchability because children and women of all castes assemble together, dine together, learn together attend social functions together. Upto the year 1991-92 there were 61 ICDS projects having 7050 anganwadis to cover 2,86,000 beneficiaries. Every year 5 New Projects will be sanctioned by GOI Rs. 514.13 Lacs have been provided for 1992-93.

The Statistics of this programme are as follows :—

Year	No. of Projects	No. of Anganwadi	Expenditure in curred	No. of Ben. Covered (in lacs)
1	2	3	4	5
1985—90	48	5376	1243.58	11.73
1990-91	60	6000	200.00	2.47
1991-92	61	7050	300.00	2.86
1992-93 (Target)	66	7550	514.13	3.03

#### Rural Housing Programme

This is a new scheme which has been proposed to be implemented at the district level during 1992-93 for providing houses to the landless and houseless people in the rural areas. The Department of Rural Development will act as a nodal department and would develop necessary infrastructure in the villages under operation and the work of construction of houses shall be done by the beneficiaries themselves. The developed plots will be given to the beneficiaries. Total cost per site for development has been estimated at Rs. 10,000. The focal points have been proposed to be selected near the Tehsils or Towns so as to attract not only the landless but also other category of persons desirous of owning a house. Landless persons will be given Rs. 10,000 as subsidy in the shape of developed house-sites while others

will have to pay the full cost of development and price of land so fixed by the Government. Land required for the purpose will be made available free of cost by the concerned Gram Panchayats. The Departments of Rural Development will be responsible for overall coordination and liaison of Rural Housing Programme with various agencies involved in financing and execution, prepare models for adoption of individual houses/complexes as a whole, adoption and popularisation of new low cost technology in material and construction and for effective monitoring and evaluation of the programme. An outlay of Rs. 5.00 crore for 1992-93 has been provided as subsidy for the development of 5000 house-sites. The provision of this scheme has been reflected under the sub-head "Housing".

## ANNEXURE VII

Physical Targets and Achievements during the Annual Plan 1990-91 and 1991-92 and Proposal for the and Annual Plan 1992-93

Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93	
		Target	Achievement		Target	Anticipated achievement	Target	
1	2	3	4	5	6	7	8	9
<b>1. Rural Electrification</b>								
(a) Village Electrified	No.	All the 12126 inhabited villages electrified by 10th May, 1976.						
(b) Pump sets/Tubewells energised by electricity	No.	30000	44237	—	30000	30000	25000	
<b>2. Elementary Education</b>								
(a) Class I—V								
(Age-group 6—10 years enrolment)	'000'	2310	2310	—	2352	2352	2392	
(b) Class VI—VIII								
(Age-group 11—14 years) enrolment	'000'	952	952	—	976	976	1000	
<b>3. Rural Health</b>								
(i) Estt. of P.H.C. by upgrading existing S.H.Cs.	No.	12	—	Sanction not received	12	12	12	
(ii) Opening of New sub-Centre MPW scheme strengthening of sub-centres	No.	112	—	Do	112	—	20	
(iii) Establishment of CHCs.	No.	16	—	Do	18	—	16	
Rural Water Supply	No.	225	222	—	325	325	260	
Nutrition	(in lacs)	1.86 lacs (beneficiaries)	1.77 lacs (beneficiaries)	—	2.86 lacs (beneficiaries)	2.86 lacs (beneficiaries)	3.03 lacs (beneficiaries)	
Rural Housing Programmes	No.	—	—	—	—	—	5000 House sites	



## CHAPTER XX

### WORLD BANK AIDED PROJECTS

#### (A) INTEGRATED WATERSHED DEVELOPMENT PROJECT (HILLS), PUNJAB

20.1. The World Bank Aided Integrated Watershed Development Project (Hills), Punjab, has come into operation from 1st September, 1989 after the completion of earlier Kandi Watershed and Area Development Project (1980—88). The earlier project was an attempt to deal with the menace of flood control and soil erosion in the backward, Sub-montaneous areas of Shivalik foothills (Kandi area) in the State through an integrated approach by involving a multi-disciplinary team of various departments. As against the earlier Project, where 11 major watersheds were treated covering an area of 39,420 hectares, the new project is designed to address one of the State's most serious environmental problems of watershed degradation in the ecologically fragile agro-economic zones covering about 80,000 hectare area of 17 watersheds of District Ropar and Hoshiarpur including 9 watersheds of the upper catchment of these districts. The total cost of the project is Rs. 53.21 crores and is for 7 years i.e. from 1989-90 to 1995-96. One of the salient features of this project is the introduction of one of the major effective vegetative/rainfed technology which can be replicated over a wide area to conserve soil and moisture conservation both in arable and non-arable lands. Other treatments include, the introduction of Horticulture in the arable marginal lands and livestock improvement programmes i.e. introduction of improved bulls for natural breeding and promote stall feedings. The project would also train the implementing staff in the new technology to achieve proper results during the project period under various components. The project is likely to benefit 25000 farming families, 2500 landless families, 1300 livestock herders under different project components.

20.2. The project would be carried out under unified command of watershed planning and implementation Office and all the participating components like Forest, Soil Conservation, Animal Husbandry, Horticulture, Agriculture & Agricultural Research will be responsible to the project Director in respect of execution and management of their respective project programme. This project will treat 17 watersheds in

all extending over an area of approximately 80,000 hectares. Four of the watersheds i.e. Arnala, Nara-Dada Manjhi, Dasuya Langerpur and Jayanti Devi Ki Rao will be treated at the initial stage. The other four watersheds i.e. Sugbrao, Suan Khad, Balachaur Choe and Mohan Majra Nighi will be taken up after mid-term review of the project. The remaining 9 watersheds, namely, West Suan, Kamahi Devi, Chak Sadhu, Rattewal, Takarla, Jahanda Ji Ki Khad, Sahora, Patiari, Kukar Suha and Basu Khad falling in the upper catchment area of districts Ropar and Hoshiarpur will be treated under the forest component only.

20.3. The role to be assigned to each of the components would depend upon the local situation, specific problems identified, future scope of development and people's participation etc. Particular attention under the project will be paid to the other aspects also like monitoring, publicity and social services, etc.

20.4. The project objectives are to verify and to promote low cost replicable and sustainable measures to :—

- (a) Reverse man-made ecological degradation in parts of Shivalik Hills (Kandi Tract);
- (b) To improve the fodder and fuel situation in these areas;
- (c) To protect farm lands from floods and erosion and enhance yield in rainfed farming through soil moisture conservation in situ.

20.5. For the Annual Plan, 1992-93, an outlay of Rs. 1,200.00 lakhs is provided under various components of the Project against the expenditure of Rs. 762.04 lakhs during 1991-92. Componentwise details of expenditure and outlay under this Project from 1989-90 onwards is given below :—

(Rs. in lakhs)

Component	Total Project Cost	1989-90 Actual Expdr.	1990-91 Actual Expdr.	1991-92 Approved Outlay	1991-92 Actual Expenditure	1992-93 Approved Outlay
1	2	3	4	5	6	7
Forest	2356.55	258.00	430.99	420.00	570.19	861.60
Soil Conservation	1330.31	71.38	84.32	260.00	106.20	238.02
Animal Husbandry	646.15	25.00	20.96	130.00	23.43	38.87
Agriculture	456.11	—	0.43	90.00	17.55	17.65
Agricultural Research (PAU)	228.05	12.00	30.00	40.00	10.00	15.00
Horticulture	152.04	7.62	10.00	30.00	10.68	9.41
Watershed Planning & Implementation Office (WPIO)	152.04	10.00	15.69	30.00	23.99	19.45
<b>Total</b>	<b>5321.25</b>	<b>384.00*</b>	<b>592.39</b>	<b>1000.00</b>	<b>762.04</b>	<b>1200.00</b>

\*Excludes an expenditure of Rs. 120.18 lakhs incurred out of the State Plan.



Serial No.	Component/Treatment	Unit	Project period	1990-91	1991-92	Annual Plan 1992-93
				Target	Achievement	Achievement
1	2	3	4	5	6	7
	(vii) Village Ponds	No.	12	6	3	2
	(viii) Rehab. of village ponds	No.	22	10	2	2
	(ix) Makhawal tanks	No.	12	2	1	3
	(x) Water harvesting tanks	No.	10	—	—	1
	(xi) Falm Nussetics	No.	—	—	8	—
<b>3. Animal Husbandry</b>						
	(i) Livestock reduction	No.	2331	180	190	1605
	(ii) Supplementary feeding—					
	(a) Late pregnancy	No.	12705	750	548	3821
	(b) Calf rearing	No.	6352	425	517	1976
	(iii) On farm fodder production	Hect.	370	100	50	54
<b>4. Horticulture</b>						
	Rainfed Horticulture demonstration	Hect.	60	16	12	11
<b>5. Agriculture</b>						
	Rainfed crop demonstration	Hect.	3666	100	464	504

**(B) Strengthening and Re-organisation of Agricultural Extension and Administration (T & V) :**

20·15 'Strengthening & Reorganisation of Agricultural Extension and Administration', a World Bank Aided Project popularly known as Training and Visit (T & V Scheme) was introduced in the 7th Five Year Plan and is likely to continue till 1992-93. The Project was sanctioned for four years i.e. from 1987-88 to 1990-91. Since the amount provided for the project i.e. Rs. 11·40 crore would not be utilised during the project period due to the late implementation of the Project in the Punjab State, it is proposed to extend this project beyond 1990-91 so that the purpose of the project is fulfilled.

20·16 The scheme aims at reorganising the Department of Agriculture with a view to integrate its multifarious activities with a mission to impart latest farming technology to the cultivators at their doorsteps. Apart from this aspect, the scheme has another component i.e. to keep the implementing departmental staff comprising subject matter specialists, block agricultural officers, agricultural extension officers, abreast of the latest agricultural techniques through organising seminars/workshops and refresher courses etc. The coverage of this scheme which was confined only to three districts in the 1st Phase i.e. Amritsar, Bhatinda and Hoshiarpur, was subsequently

extended to the entire Kandi belt of the State under the Integrated Watershed Development Project (Hills), Punjab covering complete Ropar District and Dera Bassi and Dhar Blocks of Patiala and Gurdaspur districts respectively. Under this scheme, an agricultural inspector is the basic consultant for 1080 farming families. At the block level, the scheme is supervised by the agricultural officers while there is a team of officers like District Training Officer and Subject Matter Specialists representing different facilities who work under the overall supervision of the Chief Agricultural Officer. In each district, the staff splits itself into groups for imparting training to the farmers by holding meetings periodically where the extension officers of the Agriculture Department discuss diverse problems with the farmers and suggest suitable solutions on the spot. The PAU has also been involved to the desired extent under this Scheme. Almost the entire staff of the Agriculture Department except most technical categories manning the laboratories has been clubbed under this scheme.

20·17 An expenditure of Rs. 432·67 lakh has been incurred on this project in the 7th Plan and another expenditure of Rs. 195·87 lakh has been made during 1990-91. An amount of Rs. 317·79 lakh was spent against on outlay of Rs. 364·50 lakhs provided during the year 1991-92. For Annual Plan 1992-93 an outlay of Rs. 350·00 lakh has been provided to continue this programme/project provided the World Bank Project is extended beyond 1991.

20.18 Physical progress in respect of T & V project from 1987-88 to 30th September, 1991 is given in the table below :—

PHYSICAL PROGRESS REPORT OF T. & V. PROJECT FROM 1987-88 TO 30TH SEPTEMBER, 1991

Category	Total Target	Achievement				1-4-91 to 30-9-91
		1987-88	1988-89	1989-90	1990-91	
1	2	3	4	5	6	7
<b>(A) A.E.W.</b>						
Institutional Training (Individual)	200	1	73	43	60	11
Refresher Training (Individual)	300	5	60	85	68	114
<b>(B) B. A. O.</b>						
Institutional Training (Individual)	16	7	27	37	9	10
Refresher Training (Individual)	20	14	20	12	50	78
<b>(C) Class-I</b>						
Refresher Training (Individual)	20	—	3	—	5	5
Higher Education (Individual)	—	—	—	1	17	10
<b>(D) No. of Pre-Service Training (for newly appointed A.E.W. B.A.O. &amp; D. A. O.)</b>						
No. of Participants	10	1	9	3	4	—
<b>(E) No. of Agricultural Officers Workshop</b>						
No. of Participants	24	4	6	6	2	2
<b>(F) No. of Pro-crop Season Training</b>						
No. of Participants	24	1	6	4	2	2
<b>(G) No. of Bio-monthly Training for SMS</b>						
No. of Participants	70	3	8	14	5	16
<b>(H) No. of Monthly Training for A.E.W.</b>						
No. of Participants	140	12	28	28	36	18
<b>(i) No. of Monthly Training for B.A.O.</b>						
No. of Participants	140	12	16	18	36	18
<b>(I) No. of Review meetings</b>						
No. of Participants	140	12	16	18	6	30
<b>(J) No. of farming families contacted by each A.E.W. per year</b>						
No. of Participants	—	180	80	80	1080	540
<b>(K) No. of contract farmers contacted</b>						
No. of Participants	144000	15720	28500	35750	119484	80000
<b>(L) No. of fortnightly trainings</b>						
No. of Participants	298	24	72	72	72	36
<b>(M) No. of Review meetings distt. level/with World Bank Officers</b>						
No. of Participants	—	3	10	17	5	5
<b>(N) No. of Demonstration Plots</b>						
No. of Participants	—	190	1925	2950	4922	—

**(C) Punjab Irrigation and Drainage Project Phase-II**

20.19 Keeping in view the fact that most of the surface water in the State has already been exploited. The main thrust and approach in future in the State is better water management and improved functioning to make the best utilisation of available waters. The

modernisation of the Irrigation system has been viewed in the context of World Bank assistance by importing modern machinery etc. The objectives of this project are to support the investment programme in Irrigation of the State of Punjab which are viz. (i) Improving the productivity of the Irrigation system, (ii) Raising living standard in the poorest and most

undeveloped area of the State of Punjab through the development of irrigation facilities, (iii) Initiating drainage works, trials and studies to address the short and long term environment and production impact of the raising water table in the state of Punjab in the context of other basin States and (iv) further upgrading the efficiency and skill of the Irrigation Department.

20.20 The project size of the Punjab Irrigation and Drainage Project has been kept at Rs. 459.70 crores at the current rupee dollar exchange. The world bank assistance is to the tune of 165.00 million U.S. Dollars (I.B.R.D. loan of U.S. Dollars 15 million and IDA credit of US Dollar 150 million). The entire amount of the credit will pass on to the State Government as Central Plan assistance for implementing the project over the period of 7 years, though there is no bar in hastening the implementation schedule and drawing bank assistance in the shortest period, The project is expected to be completed by September 30, 1997.

The enclosed Annexure-III shows the project/schemes which are likely to be included in this World Bank Irrigation and Drainage Project Phase-II with the outlay provided during 1992-93.

#### (D) Strengthening of Technical Education in Punjab

20.21 Various programmes/schemes have been proposed to be implemented with the World Bank Assistance to the tune of Rs. 79.48 crores. For this purpose, an outlay of Rs. 12.31 crores have been provided in the Annual Plan 1991-92. Out of which share of the World Bank is 70% and share of the State Government is 30%. Since reimbursement will be made after the expenditure has been incurred, the total outlay of Rs. 12.31 crores has been projected in the State Plan. In Annual Plan 1992-93, an outlay of Rs 3011.00 lakhs has been provided for this purpose. Various Components to be implemented under this project are as under :—

(Rs. in lacs)

Sr. No.	Name of the component	1991-92		1992-93	
		Approved outlay	Capital content	Approved outlay	Capital content
1	2	3	4	5	6
1	Direction and Administration	79.25	40.00	210.18	100.00
2	New Institutions/courses in Govt. polytechnics/Institutes	673.56	476.24	1777.33	939.08
3	Private Polytechnics	240.76	107.76	530.49	247.14
4	Other Programmes	237.43	204.00	493.00	226.00
	Total	1231.00	768.00	3011.00	1512.22

#### Direction and Administration :

20.22 Under this component, an outlay of Rs. 79.25 lakhs was provided for this purpose in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 210.18 lakhs has been provided for implementing various programmes. The schemes included under this component are strengthening of Directorate, Establishing continuing centre, Autonomy to State Board of Technical Education, State project implementation Unit and setting up of Curricular Development Centre in the Directorate.

#### New Institutions/courses in Govt. Polytechnics/Institutes.

20.23 Under this component, an outlay of Rs. 673.56 lakhs was provided to implement various schemes in the Annual Plan 1991-92. However, it has been revised to Rs. 903.38 lakhs. In Annual Plan 1992-93, an outlay of Rs. 1777.33 lakhs has been provided under this component. Under this component, 2 Polytechnics for women have been proposed to be set up. Various courses are also proposed to be started under this component in different polytechnics.

#### Private Polytechnics

20.24 An outlay of Rs. 240.76 lakhs has been provided for this purpose in the Annual Plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 530.49 lakhs has been provided for this purpose. Under this component, various courses are proposed to be started in different polytechnics. Other programmes like autonomy to Thapar Polytechnic Patiala, faculty development, modernisation of equipment, strengthening of community Polytechnic Wing and application of Science & Technology model project and Industry institute interaction has also been included.

#### Other Programmes :

20.25 An outlay of Rs. 237.43 lakhs has been provided for this purpose in the Annual plan 1991-92. In Annual Plan 1992-93, an outlay of Rs. 493.00 lakhs has been provided for this purpose. Various schemes like student Hostel & staff quarters, Modernisation of existing polytechnics and Establishing Maintenance cell have been included under this component.

**(E) Externally Aided UNDP Projects**

20.27 The Government of India, department of Finance have approved and forwarded the following proposals to UNDP for assistance. These R & D centres are proposed to assist the industry in technology

upgradation. The UNDP assistance will be in the form of imported machinery, technical experts from abroad, fellowships etc. The state Government will provide land building, indigenous machineries, staff and running expenses.

	State Govt. Share /Rs. in lacs)		UNDP Assistance (US \$ in lacs)	
	1992-97	1992-93	1992-97	1992-93
1. Machine Tools R & D Centre, Batala	300.00	30.00	24.39	8.76
2. Autoparts R & D Centre, Ludhiana	295.00	29.00	40.94	18.30
3. Bicycle R & D Centre, Ludhiana, Phase-II	232.00	40.00	16.27	5.51
4. Sewing Machine Development Centre, Phase-II, Ludhiana	150.00	46.00	—	58.75
5. Research and Development Centre for Electrical Appliances/Goods, Rajpura	22.00	2.50	176.56	58.75
6. Development Centre for Re-rolling Industry, Gobindgarh	183.00	1.00	15.08	6.69
7. Research & Development Centre for Rubber Products, Jalandhar	160.00	36.00	18.61	4.62
8. Schemes/Projects to be implemented under Economic Package	5.00 (Token)	1.00 (Token)	—	—

**(F) MEDICAL PUBLIC HEALTH****PH 6.17 (a) World Bank Project-Training for Manpower Development**

13.62 The aim of the project is to accelerate the provision of manpower and quality services in the State by imparting training and retraining and providing proper working place to the most peripheral staff i.e. MPW(F) in rural areas of the State. It is possible only through a well organised training programme followed by regular and systematic in-service training. Besides this there is a need of specialised training courses for medical and non medical supervisors at all levels. It is also proposed to impart Health Knowledge and motivation techni-

ques to certain organised groups in the community like private practitioners, voluntary organisations and local bodies etc.

The project will have the following components:—

- (1) Training and Manpower development.
- (2) Strengthening/provision of infrastructure.
- (3) Removal of matriciennes in the neonatal delivery system, During 1992-93 a sum of Rs. 140.00 (67 lacs capital) is provided as 10% share of State Government.

**ANNEXURE-I**  
**SUB-HEAD SPECIAL AREA PROGRAMME**

(Rs. in lakhs)

Name of the Project/Component	1990-91 Actual Expenditure	1991-92 Outlay	Annual Plan 1992-93	
			Approved Outlay	Amount reimbursable by the World Bank
1	2	3	4	5
<b>Integrated Watershed Development Project (Hills) Punjab :</b>				
1. Forests	430.99	420.00	861.60	} 80%
2. Soil Conservation	84.32	260.00	238.02	
3. Animal Husbandry	20.96	130.00	38.87	
4. Agriculture	0.43	90.00	17.65	
5. Agricultural Research (P.A.U.)	30.00	40.00	15.00	
6. Horticulture	10.00	30.00	9.41	
7. Watershed Planning and Imple- mentation office (WPIO)	15.69	30.00	19.45	
<b>Total</b>	<b>592.39</b>	<b>1000.00</b>	<b>1200.00</b>	<b>960.00</b>

**ANNEXURE-II**

(Rs. in lakhs)

Name of the Project/Component	1990-91 Expenditure	1991-92 Outlay	Annual Plan 1992-93	
			Approved Outlay	Amount reimbursable by the World Bank
1	2	3	4	5
Strengthening and reorganisation of agriculture extension and administration (T. & V. Project)	195.87	364.50	350.00	210.00

## ANNEXURE-III

(Rs. in lakhs)

Name of the Project/Component	Annual Plan 1992-93			
	1990-91 Expenditure	1991-92 Outlay	Approved Outlay	Amount reimbursable by the World Bank
1	2	3	4	5
<b>Punjab Irrigation and Drainage Project Phase-II :</b>				
1. Extension and Improvement of Shah Nehar Canal	719.48	1050.00	1050.00	610.00
2. Lining of Channel Phase-II	327.10	1200.00	1200.00	700.00
3. Providing Gates and Gearing to Modernise the existing Canals	91.68	86.00	140.00	82.00
4. Communication System on Canals	—	25.00	50.00	30.00
5. Computer aided design and training	—	50.00	50.00	30.00
6. Setting up of Punjab Irrigation and management institute	—	25.00	100.00	58.00
7. Low Dams in Kandi Area Phase-II	366.72	650.00	800.00	467.00
8. Installation of Deep T/Wells	463.83	497.03	642.00	374.00
9. Lining of Water Courses Phase-II	578.40	1100.00	1200.00	700.00
10. Surface drainage project for lowering water table in South West District of Punjab	378.44	640.00	640.00	373.00
11. Sub-surface drainage project for lowering water table in South West District of Punjab		100.00	100.00	58.00
12. Integrated utilisation of water resources	—	128.00	41.00	24.00
<b>Total</b>	<b>2925.65</b>	<b>5551.03</b>	<b>6013.00</b>	<b>3506.00</b>

## ANNEXURE-IV

(Rs. in lakhs)

Name of the Project/Component	1990-91 Expenditure	1991-92 Outlay	Annual Plan 1992-93	
			Approved Outlay	Amount reimbursable by the World Bank
1	2	3	4	5
<b>World Bank Aided Project—Technical Education</b>				
1. Direction and Administration ..	—	79.25	210.18	147.13
2. Government Polytechnics/Institutions ..	—	673.56	1777.33	1244.13
3. Private Polytechnics ..	—	240.76	530.49	371.86
4. Other Programmes ..	—	237.43	493.00	345.24
<b>Total</b> ..	<b>—</b>	<b>1231.00</b>	<b>3011.00</b>	<b>2108.36</b>

## ANNEXURE-V

(Rs. in lakhs)

Name of the Project/Component	1990-91 Expenditure	1991-92 Outlay	Annual Plan 1992-93	
			Approved Outlay	UNDP Assistance (US \$ in lacs)
1	2	3	4	5
IN 3.2 Sewing Machine Development Centre, Ludhiana ..	—	20.00	46.00	—
IN 3.3 (a) New UNDP aided Projects ..	10.00	145.00	99.00	32.57
(i) Machine Tools Research and Development Centre, Batala ..	—	—	30.00	8.76
(ii) Automotive Parts Research and Development Centre, Ludhiana ..	—	—	29.00	18.30
(iii) Bicycle Research and Development Centre, Ludhiana, Phase-II ..	—	60.00	40.00	5.51
(b) Economic Package—				
(i) Research and Development Centre for Electrical Appliances/goods, Rajpura ..	—	1.00	2.50	58.75
(ii) Development Centre for Re-Rolling Industry, Gobindgarh ..	—	1.00	1.00	6.69
(iii) Research and Development Centre for Rubber Products, Jalandhar ..	—	1.00	36.00	4.62
(iv) Schemes/Projects to be implemented under economic package ..	—	—	1.00 (Token)	—
<b>Total</b> ..	<b>10.00</b>	<b>228.00</b>	<b>185.50</b>	<b>102.63</b>

## ANNEXURE VI

Rs in lakhs

PH : 6.17	World Bank Assistance Project Training for Man Power Development ..	16.36	120.00	140.00	1260.00
	(10% State Share)				
	<b>Grand Total (Annexure I to VI)</b> ..	<b>3740.27</b>	<b>8494.53</b>	<b>10899.50</b>	<b>8141.99</b>

## CHAPTER XXI

### DECENTRALISED PLANNING

Decentralised Planning has been the subject matter of discussion for quite some time. The principle of decentralisation inherent in the new approach of the Planning Commission has been adopted to have decentralisation below the State level. Substantial districtwise allocations have been made with broad guidelines about priorities to be followed at and below the district level. The final aim is to have village level Planning as the basis for all planned projections in order to give a sense of participation to the common man in the process of planned growth and development.

21.2. In our State, first step was taken in the direction of district level planning in the year 1988-89 when an allocation of Rs. 5.70 crores was made under the head 'untied funds'. These funds were placed at the disposal of Deputy Commissioners to be utilised for creation of permanent assets of public utility and to bridge the gaps wherever possible. In the year 1989-90, an amount of Rs. 14.47 crores has been devolved to the districts under this head. Apart from giving independence to the district level planning machinery to utilise these funds in accordance with the felt needs of the people, this also helped in mopping up additional resources for development works in the form of matching contribution and creating a feeling of community participation. This contribution, however, varied from district to district.

21.3. Although decentralised planning was initiated in 1988-89, yet the actual work started in 1990-91 when the scheme and programmes of each department, which could be better implemented, supervised and coordinated at district level, were decentralised and a sum of Rs. 255.50 crores, was set apart out of the total plan of Rs. 905.00 crores. The allocation was subsequently revised to Rs. 254.87 crores during the course of the year. Against this allocation, district Planning and Development Boards incurred an expenditure of Rs. 247.60 crores and matching contribution raised from the people by the Distt. Planning & Development Boards was Rs. 9.75 crores. For the sake of convenience and to give reasonable amount of freedom to the District Planning & Development Boards in formulation, implementation and monitoring of various developmental projects in accordance with the felt needs of the people, the entire decentralised amount was classified under four categories, viz. Untied Funds, funds for infrastructural facilities, funds for specific schemes in operation in some districts and funds for Human Resources Development and beneficiary-oriented programmes. The category-wise details of the allocation and expenditure incurred during 1990-91 are given as under :—

	(Rs. in crores)		
	Allocation Original	Revised	Expendi- ture
(a) Untied Funds	24.00	24.00	23.86
(b) Funds for infra- structural facilities	167.00	131.43	133.90
(c) Funds for specific schemes in operation in some districts	13.14	23.35	23.58
(d) Funds for Human Resources Develop- ment and beneficiary oriented programmes	51.36	76.09	66.26
Total	255.50	254.87	247.60

21.4. The guidelines for utilisation of these funds have been issued to ensure that local bodies such as Panchayats and Municipal Committees etc. are fully involved in the implementation of these district level programmes. The involvement of the Parent-Teacher Associations has been ensured in a big way for creating educational infrastructure. The technical agencies of various Government Departments working at field level worked in a coordinated manner for the overall development of the State.

21.5. In the Annual Plan, 1991-92, a sum of Rs. 284.03 crores was set apart for District Plan out of the total plan of Rs. 1010.00 crores. The entire decentralised amount has been classified as under :—

	(Rs. in crores)		
	Allocation Original	Revised	Antici- pated Expenditure
(a) Untied Funds	24.98	25.29	25.29
(b) Funds for infra- structural facilities	155.91	175.51	175.51
(c) Funds for Area Specific Schemes	8.21	9.20	9.20
(d) Funds for Human Resources Develop- ment and Beneficiary Oriented Programmes	94.93	93.59	93.59
Total	284.03	303.59	303.59



21.6. For items (a) and (b) above, District Planning and Development Boards are required to incur expenditure in accordance with the guidelines issued by the Planning Department. For funds placed under the categories 'untied' and 'infrastructure' Distt. Planning and Development Boards are free to take up any infrastructural development scheme. Regarding components at (c) and (d), the Distt. Planning and Development Boards are required to go by the departmental priorities and guidelines unless they are able to identify better and more useful schemes. District-wise allocation under untied funds and 'infrastructure' has been made on the basis of pre-determined formula based on indicators of economic development. The districtwise allocation of funds under the four heads, as mentioned above, is given at Annexure 'A' to the Chapter. Schemewise outlays for 1992-93 under categories i.e. Area Specific, Beneficiary oriented and Infrastructure are given at annexure B, C and D respectively. The details of district level schemes have been given in the Chapters portion with respective sub-heads of development.

21.7. During the Annual Plan, 1992-93, a provision of Rs. 336.78 crores has been approved for district plan out of the total allocation of Rs. 1150.00 crores. The sub-headwise details indicating therein the proposed allocation has been given in Statement IV. Besides 'untied funds' amounting to Rs. 18.18 crores have been approved to be placed at the disposal of District Planning and Development Boards for the year 1992-93. During 1992-93, efforts will be made to complete the spill over works. Besides District Planning & Development Boards will formulate schemes keeping in view the felt needs of the people and allocation will be prioritised by determining the local priorities.

21.8. The Department of Planning has carried out this exercise to facilitate the Policy implementation at district level for various Administrative Departments of the State Government. However, the proper execution and implementation of individual departmental schemes has been ensured by the respective departmental Officers under the overall guidance of the District Planning and Development Boards keeping in view the departmental guidelines in this regard. The assets so created are to be the responsibility of the concerned administrative department and each department will be responsible for maintenance of the assets so created. In brief, whereas the overall supervision, final control and maintenance remains with the concerned department the new approach is aimed at modifying the implementing procedure in order to better assess the need of the area and to give a better sense of participation and responsibility to the community; close supervision during the implementation and better quality of work

since it will be monitored nearest to the implementation level.

21.9. While deciding the composition of the District Planning and Development Boards and Block Planning and Development Committees, the underlined Policy and objectives behind the decentralised planing have been kept in view. Representation has been ensured to various Sections and it has been kept in view that all the areas are represented on the Boards. The basic functions of the District Planning and Development Boards shall be as under :—

- (i) To formulate a long-term district perspective plan and to evolve a strategy of planned development of the district on the basis of felt needs of the people and local priorities ;
- (ii) To prepare prioritywise list of schemes/ Programmes taking into account the resources available from the State funds, State Mandikaran Board, State Rural Development Board and Community Contribution well before the beginning of each year ;
- (iii) To take appropriate measures for proper implementation of schemes/programmes and projects ;
- (iv) To monitor the progress of projects and for this purpose the District Planning and Development Board may meet as frequently as necessary. The Board will communicate performance reports to the State Planning Board at regular intervals ;
- (v) To encourage the Panchayats and other local bodies to take up implementation of development projects themselves with a view to ensure maximum involvement of the people and to maximise the confidence in their leadership and implementing capability. The involvement should be both in terms of financial and physical parameters ; and
- (vi) Any other related function that may be assigned by the State Planning Board.

21.10. The Department of Planning has issued detailed guidelines to the District Planning and Development Boards for proper utilisation of these funds. Suitable delegation to the district heads in order to ensure proper implementation has already been given.

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DISTRICTWISE ALLOCATION OF FUNDS

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**ANNEXURE**  
**ANNUAL**  
**Districtwise allocation of**

Serial No.	District	Untied			Infrastructure schemes		
		Rural	Urban	Total	Rural	Urban	Total
1	2	3	4	5	6	7	8
1	Amritsar	110.13	72.69	182.82	1809.05	877.16	2686.21
2	Ferozepur	100.03	30.02	130.05	1444.50	1334.04	2778.54
3	Gurdaspur	96.18	33.07	129.25	1248.94	947.06	2196.00
4	Jalandhar	93.78	61.70	155.48	1179.13	679.12	1858.25
5	Kapurthala	48.10	16.46	64.56	527.18	289.75	816.93
6	Ludhiana	66.36	76.97	143.33	1111.05	889.64	2000.69
7	Fatehgarh Sahib	64.86	12.33	77.19	576.79	281.41	858.20
8	Hoshiarpur	108.68	18.09	126.77	1176.77	535.71	1712.48
9	Sangrur	92.81	32.40	125.21	1019.17	613.99	1633.16
10	Bhatinda	86.56	21.82	108.38	614.96	329.74	944.70
11	Mansa	106.65	9.72	116.37	546.30	251.12	797.42
12	Patiala	98.10	38.63	136.73	861.47	569.50	1430.97
13	Ropar	66.85	15.58	82.43	791.37	501.97	1293.34
14	Faridkot	105.80	33.13	138.93	1024.35	427.26	1451.61
	<b>Total</b>	1244.89	472.61	1717.50	13931.03	8527.47	22458.50

\*Note :—Out of Rs.33578.21 lakhs to be devolved to Districts during 1992-93, an allocation of Rs. 33087.61 lakhs has been

A

## PLAN

Funds for 1992-93

(Rs. in lakhs)

beneficiary oriented Schemes			Area Specific Schemes			Total		
Rural	Urban	Total	Rural	Urban	Total	Rural	Urban	Total
9	10	11	12	13	14	15	16	17
693.15	191.98	885.13	63.20	100.50	163.70	2675.53	1242.33	3917.86
429.81	94.11	523.92	13.00	—	13.00	1987.34	1458.17	3445.51
489.38	114.47	603.85	140.00	—	140.00	1974.50	1094.60	3069.10
675.34	164.86	840.20	55.00	65.00	120.00	2003.25	970.68	2973.93
312.46	61.08	373.54	30.00	—	30.00	917.74	367.29	1285.03
482.38	202.94	685.32	125.00	194.00	319.00	1784.79	1363.55	3148.34
203.02	61.56	264.58	20.00	—	20.00	864.67	355.30	1219.97
520.59	165.81	686.40	178.00	50.00	228.00	1984.04	769.61	2753.65
484.37	172.04	656.41	—	—	—	1596.35	818.43	2414.78
301.80	90.04	391.84	—	18.00	18.00	1003.32	459.60	1462.92
224.98	66.73	291.71	—	—	—	877.93	327.57	1205.50
358.69	113.41	472.10	—	63.00	63.00	1318.26	784.54	2.02.80
328.94	128.76	457.70	2.00	17.50	19.50	1189.16	663.81	1852.97
511.04	118.67	629.71	—	15.00	15.00	1641.19	594.06	2235.25
<b>6015.95</b>	<b>1746.46</b>	<b>7762.41</b>	<b>626.20</b>	<b>523.00</b>	<b>1149.20</b>	<b>21818.07</b>	<b>11269.54</b>	<b>33087.61</b>

made. Balance amount of Rs. 590.60 lakhs will be distributed subsequently.

**ANNEXURE B**  
**ANNUAL PLAN 1992-93**  
**Outlay and Expenditure**  
**District Level Plan Schemes**  
**Area Specific Schemes**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>Crop Husbandry</b>						
A(P)3.2	Seed Testing lab.	36.00	28.00	—	—	—
2.2						
A(P)4.2	Fertiliser Quality Control lab.	15.00	12.00	—	—	—
3.2						
	<b>Total</b>	<b>51.00</b>	<b>40.00</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Soil Conservation</b>						
SC(A)3.5	National Watershed Development Programme for Rainfed Agriculture	20.00	—	—	—	—
	<b>Total</b>	<b>20.00</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Animal Husbandry</b>						
A. H. 3.21	Establishment of quarantine Station near Indo-Pak Border District Amritsar	—	—	—	—	3.20
	<b>Total</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3.20</b>
<b>Dairy Development</b>						
D. M. 1.6	Flushing out the milk dairies from the municipal limits of cities and towns in the State	20.00	11.08	—	—	—
	<b>Total</b>	<b>20.00</b>	<b>11.08</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>Forestry and Wild life</b>						
Ft. 2.5	Regeneration Afforestation/Treatment/Reclamation of Forest Areas	—	—	—	—	150.00
	<b>Total</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>150.00</b>
<b>Rural Development</b>						
CD 2.13	National Net Work of Nirman or Nirmanth Kendras	6.00	3.00	—	—	—
	<b>Total</b>	<b>6.00</b>	<b>3.00</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>IRRIGATION AND FLOOD CONTROL</b>						
<b>Major and Medium Irrigation Schemes</b>						
1	Extension of non-perennial Irrigation to area in U.B.D.C. tract	—	—	100.00	100.00	100.00
2	Constg.-Kahan Singh Wala reclamation Channel 0-58000 off taking RO-11070/R main Branch	—	—	13.00	13.00	13.00
	<b>Total</b>	<b>—</b>	<b>—</b>	<b>113.00</b>	<b>113.00</b>	<b>113.00</b>

**ANNEXURE B**  
**ANNUAL PLAN 1992-93**

**Outlay and Expenditure**

**District level Plan Schemes**

**AREA SPECIFIC SCHEMES**

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated expenditure	Approved Outlay	of which Capital Content
1	3	2	4	5	6	7
<b>Industry and Mineral</b>						
IN 3.10(ii) Setting up of Common Effluent Treatment Plant for small units (C.S)	—	—	50.00	45.00	50.00	50.00
IN 4.4 Setting up of District Level Marketing Complexes for Rural Tiny Industrial Products	—	—	—	—	5.00	5.00
IN 3.12 Hand tool Institute, Jalandhar	15.00	14.86	—	—	—	—
IN 6.7 Setting up of Dari Centre at Nakodar	—	—	2.00	2.00	—	—
IN 9.1 Development of Sericulture	42.90	17.97	4.00	4.00	10.00	7.00
<b>Total</b>	<b>57.90</b>	<b>32.83</b>	<b>56.00</b>	<b>51.00</b>	<b>65.00</b>	<b>62.00</b>
<b>Roads and Bridges</b>						
1.R.D.1.2 Machinery	37.00	17.48	—	—	—	—
2.R.D. 5.3 Bye-Passes	70.00	17.48	170.00	270.00	170.00	170.00
<b>Total</b>	<b>107.00</b>	<b>34.96</b>	<b>170.00</b>	<b>270.00</b>	<b>170.00</b>	<b>170.00</b>
<b>Road Transport</b>						
RT3(II) RT-2 Construction of Transport Complexes Punjab Roadways (i) Land and Building	5.00	—	—	—	—	—
<b>Total</b>	<b>290.00</b>	<b>1.38</b>	<b>166.20</b>	<b>166.20</b>	<b>105.00</b>	<b>105.00</b>
<b>SCIENCE &amp; TECHNOLOGY</b>						
<b>I. Other Scientific Research</b>						
1. Support to Jawahar Lal Nehru Centre for environment (Kanjli) Kapurthala	—	—	10.00	10.00	—	—
<b>Total</b>	<b>—</b>	<b>—</b>	<b>10.00</b>	<b>10.00</b>	<b>—</b>	<b>—</b>
<b>II. ECOLOGY &amp; ENVIRONMENT</b>						
1 Scheme regarding giving support to District Environment committees	12.00	10.00	12.00	12.00	—	—
2 Upgradation of Central Laboratory of Board at Patiala	State level	—	5.00	6.30	8.00	7.10
3 Setting up of the three regional laboratories at Ludhiana, Bathinda and Amritsar	State level	—	10.00	11.95	10.00	—
<b>Total</b>	<b>12.00</b>	<b>10.00</b>	<b>27.00</b>	<b>30.25</b>	<b>18.00</b>	<b>7.10</b>
<b>SPORTS AND YOUTH SERVICES</b>						
SY 1.6 (i) Improvement in State School of Sports Jalandhar	—	—	30.00	30.00	—	—
(iv) Laying of Synthetic Track and provision of staff for the maintenance thereof	—	—	40.00	40.00	30.00	—
(v) Construction of Sports Hostels in school adopted by sports authority of India	—	—	40.00	40.00	45.00	—
<b>Total</b>	<b>—</b>	<b>—</b>	<b>110.00</b>	<b>110.00</b>	<b>75.00</b>	<b>—</b>



## ANNEXURE C

## ANNUAL PLAN 1992-93

## Outlay and Expenditure

## District Level Plan Schemes

## Beneficiary Oriented Schemes

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93		
	Approved outlay	Anticipated expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	of which Capital Content	
<b>Crop Husbandry</b>							
A(P) 5.3	Intensification of Plant Protection Works	—	—	20.00	20.00	25.00	—
A(P) 13.1	Assistance to Small/Marginal farmers on IRD pattern	150.00	121.95	150.00	150.00	135.00	—
A(P) 14.3	Development of Horticulture in the State including Development of Horticulture in border areas for the rehabilitation of misguided youths	69.00	53.62	85.00	101.00	150.00	10.00
A(P) 14.5	Production and multiplication of vegetables seeds and development of vegetables in the State including development of vegetable for the Welfare of Rai Sikhs of Ferozepur district	20.00	27.99	33.00	33.00	38.00	5.00
A(P) 14.6	Demonstration-cum-fruit preservation labs and community canning Centres	10.00	11.85	15.00	15.00	17.00	1.00
A(P) 14.10	Scheme for the Development of rainfed horticulture in Pathankot tehsil of Gurdaspur district	—	—	5.00	5.00	5.00	—
A(P) 15.2	Bee Keeping	30.00	18.68	20.00	20.15	30.00	—
	<b>Total</b>	<b>279.00</b>	<b>234.09</b>	<b>328.00</b>	<b>344.15</b>	<b>400.00</b>	<b>16.00</b>
<b>102 Soil Conservation</b>							
SC(A) 3.1	Soil and Water Conservation on Watershed basis in Kandli Non-Project areas	195.00	170.00	195.00	—	—	—
SC(A) 3.2	Soil and Water Conservation Programme in other areas of the State	30.00	210.25	245.00	—	—	—
SC(A) 3.6	Scheme for removal of sand from the Agricultural land damaged during floods 1988	300.00	52.50	0.10	0.10	—	—
	<b>Total 102</b>	<b>525.00</b>	<b>432.75</b>	<b>440.10</b>	<b>0.10</b>	<b>—</b>	<b>—</b>
<b>102 Land Reclamation and Development</b>							
SC(A)4.1	Reclamation of Alkali Soils (Sharing basis)	200.00	196.63	120.00	300.00	125.00	—
SC(A) 4.2	Reclamation of Kallar lands in Punjab	180.00	166.82	190.00	190.00	200.00	—
	<b>Total 103</b>	<b>380.00</b>	<b>363.45</b>	<b>310.00</b>	<b>490.00</b>	<b>325.00</b>	<b>—</b>
	<b>Total (102—103)</b>	<b>905.00</b>	<b>796.20</b>	<b>750.10</b>	<b>490.10</b>	<b>325.00</b>	<b>—</b>
<b>Animal Husbandry</b>							
AH 4.1	CSS-S.L.P.P. Scheme Assistance to Small/Marginal farmers and Agricultural labourers for rearing of cross bred heifers/Setting up of Poultry/Piggery Units	31.00	31.40	44.04	44.04	56.17	—



**ANNEXURE C**  
**ANNUAL PLAN 1992-93**

**Outlay and Expenditure**

**District level Plan Schemes**

**Beneficiaries Oriented Schemes**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	of which Capital Content
1	2	3	4	5	6	7
AH 4.5 CSS-S.L.P.P. Setting up of Poultry, Piggery, Sheep and goats units ..	15.50	16.78	—	—	—	—
AH 9.2 Production & Popularisation of new fodder varieties ..	11.00	12.10	—	—	—	—
AH 9.4 Production & Distribution of Quality fodder seed providing Technical Extension services in the field ..	—	—	11.00	11.00	25.82	1.50
<b>Total</b> ..	<b>57.50</b>	<b>60.28</b>	<b>55.04</b>	<b>55.04</b>	<b>81.99</b>	<b>1.50</b>
<b>Dairy Development</b>						
DM 2.1 Scheme for providing self employment to rural unemployed youth ex-servicemen & widows by providing of scientific commercialise milk production ..	52.50	47.26	60.50	60.50	130.00	43.25
<b>Total</b> ..	<b>52.50</b>	<b>47.26</b>	<b>60.50</b>	<b>60.50</b>	<b>130.00</b>	<b>43.25</b>
<b>Fisheries</b>						
FH 2.6 Promotion of intensive fish culture by providing assistance to private// Coop. sectors and rehabilitation of ex-Servicemen development Agencies ..	8.00	7.74	20.00	19.76	—	—
<b>Total</b> ..	<b>8.00</b>	<b>7.74</b>	<b>20.00</b>	<b>19.76</b>	<b>—</b>	<b>—</b>
<b>Rural Development</b>						
CD 1.2 Expenditure on training under IRDP (State Share) ..	54.25	50.93	60.00	60.00	65.00	—
CD 1.3 Subsidy to Rural Development Agencies under Integrated Rural Development Programme (State Share) ..	432.39	447.70	480.00	408.52	504.00	—
CD 1.4 Scheme for strengthening, Administration (State Share) ..	55.86	81.59	60.00	46.95	56.00	—
CD 1.5 Development of Women & Children in rural areas (DWCRA) (State Share) ..	12.00	5.00	22.40	10.20	25.50	—
CD 1.6 Strengthening of Training Infrastructure under TRYSM (State Share) ..	16.00	2.75	8.50	4.90	8.50	—
CD 2.3 Promotion and Strengthening of Mahila Mandals ..	25.63	24.33	25.63	25.63	27.63	—
CD 2.4 Composite Programme for women and Pre-School Children ..	14.16	13.22	14.16	14.16	9.91	—
<b>Total</b> ..	<b>610.34</b>	<b>625.57</b>	<b>670.74</b>	<b>570.41</b>	<b>696.59</b>	<b>—</b>

## ANNEXURE C]

ANNUAL PLAN 1992-93

## Outlay and Expenditure

## District level Plan Schemes

## Beneficiaries Oriented Schemes

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved outlay	Anticipated Expenditure	Approved outlay	Anticipated expenditure	Approved Outlay	of which capital content
1	2	3	4	5	6	7
<b>Integrated Rural Energy Programme:</b>						
Integrated Rural Energy Programme ..	—	—	30.00	30.00	—	—
<b>Total</b> ..	—	—	30.00	30.00	—	—
<b>Non-conventional Sources of Energy :</b>						
1 Family size Bio-gas Plant(Agriculture Department) ..	—	State level	12.00		Transferred to State level	
2 Community and Institutional Biogas Plants (Agro Industries Corpn) ..	—	Ditto	50.00	Ditto	Ditto	Ditto
3 Solar Water Heating System ..	—	Ditto	16.00	Ditto	Ditto	Ditto
4 Improvement in efficiency of Pumpset ..	—	Ditto	5.00	Ditto	Ditto	Ditto
5 State subsidy on Solar cookers ..	—	Ditto	5.00	Ditto	Ditto	Ditto
<b>Total</b> ..	—	—	88.00	—	—	—
<b>Industry and Minerals</b>						
IN 3.4 Modernisation of Small Scale Industries ..	48.35	14.20	110.00	102.34	79.00	—
IN 3.10 (i) Pollution Control Scheme ..	—	—	50.00	47.5	50.00	50.00
IN 4.3 Setting up of Tiny Industrial Estates ..	—	—	50.00	50.00	—	—
IN 11.1 Employment Programme for educated youth ..	20.00	130.45	20.00	20.00	—	—
IN 11.2 (i) Special Employment Programme ..	300.00	215.70	425.00	428.25	300.00	300.00
(ii) Special Employment Programme for Educated Youth ..	—	2219.00	—	—	—	—
IN 12.4 (ii) Interest Free Loan ..	750.00	790.23	900.00	1354.00	900.00	900.00
(iii) State Capital Subsidy in lieu of Central Central Investment Subsidy	300.00	476.53	350.00	526.00	350.00	350.00
(iv) Land Subsidy	80.00	45.10	150.00	110.50	150.00	150.00
(v) Generating Set Subsidy	50.00	102.83	50.00	45.00	50.00	50.00
(vii) Re-inbursement of Ostrsi/Farmland tax and electricity charges etc.	—	—	10.00	33.00	50.00	50.00
IN 12.6 Special Interest Subsidy in Border districts	—	—	300.00	120.99	—	—
<b>Total</b>	1548.35	3994.10	2415.00	2878.58	1929.00	1850.00

**ANNEXURE C**  
**ANNUAL PLAN 1992-93**  
**Outlay And Expenditure**  
**DISTRICT LEVEL PLAN SCHEMES**  
**Beneficiary oriented schemes**

(Rs. in lakhs)

Major /Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>Industrial Co-operatives</b>						
IN 9.1	Participation in the Share Capital of Industrial Co-operatives including Apex Handloom and Primary Handloom Weavers Cooperative Societies	9.00	7.93	—	—	—
IN 9.3	Market Development Assistance and Re-bate to Apex Handloom and Primary Handloom Weavers Cooperative Societies	21.50	35.68	—	—	—
IN 9.5	Financial Assistance to Punjab State Apex Handloom Cooperative Societies for setting up of Processing units	1.50	2.55	—	—	—
Total II		32.00	46.16	—	—	—
Total III		1580.35	4040.26	2415.00	2878.58	1929.00
<b>1. General Education :</b>						
ED 1.13	Non-formal Education	10.00	2.46	20.00	—	—
ED 4.1	Mass Education Programme	—	—	80.00	—	—
Total I		10.00	2.46	100.00	—	—
<b>II. Sports and Youth Services :</b>						
SY 1.21	Establishment of village youth clubs	9.86	9.66	10.00	10.00	12.00
SY 1.24	Training to Youths for self Employment	800.00	300.37	—	—	—
Total II		809.86	310.03	10.00	10.00	12.50
Total (I & II)		819.86	312.49	110.00	10.00	12.50
<b>Medical and Public Health</b>						
1. P.H.6.16	Grant of additional incentives out of State funds to the acceptors of Sterilisation	—	—	70.00	70.00	70.00
2. P.H.7.9	Self Employment of Doctors/Para Medical Staff	—	—	100.00	75.00	100.00
Total		—	—	170.00	145.00	170.00
<b>WATER SUPPLY AND SANITATION</b>						
<b>Urban Water Supply :</b>						
WS 7	Low Cost Sanitation Project	—	—	20.00	20.00	50.00
Total		—	—	20.00	20.00	50.00

## ANNEXURE C

## ANNUAL PLAN 1992-93

## OUTLAY AND EXPENDITURE

## DISTRICT LEVEL PLAN SCHEMES

## Beneficiary Oriented Schemes

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>RURAL WATER SUPPLY &amp; SANITATION</b>						
RWS 2 Low cost Sanitation	300.00	218.63	175.00	190.00	175.00	175.00
Urban Development	300.00	218.63	175.00	190.00	175.00	175.00
UD 10 Nehru Rojgar Yojana	—	241.05	100.00	100.00	To state level	—
Total	—	241.05	100.00	100.00	—	—
<b>Welfare of Scheduled Castes and Backward Classes</b>						
SC 2.1 Free Books to SC Students (1—12 stages)	—	42.50	300.00	300.00	355.13	—
SC 1.7 Liberation of Scavengers (State share)	82.00	—	70.00	—	—	—
SC 5.1 Prematric Scholarships to Children of those engaged in unclean occupation (State Share)	63.00	7.86	38.66	41.16	10.00	—
SC 8.1 One Electric Point to every unelectrified SC household	60.00	151.22	60.00	60.00	72.00	—
SC 10.1 Grant for the purchase of plot for Economic Ventures including commercial activities	5.00	23.75	50.00	48.25	150.00	—
SC 11.1 Awards to SC Sports students (6—12 Classes)	25.00	9.00	27.20	27.20	27.20	—
SC 12.1 Capital subsidy to BCs under Bank tie-up loans	60.00	41.80	60.00	60.00	72.00	—
SC 16.1 Capital subsidy to PSCFC under Bank tie-up loaning programme to below poverty line SCs.	—	—	850.00	850.00	1100.00	—
SC 18.1 On the job training and guaranteed Employment to SCs.	72.00	42.19	172.00	162.00	180.00	—
SC 19.1 Cash Incentive/Awards to SC girls at Primary Stage	140.00	2.11	—	—	—	—
SC 21.1 Assistance to SCs for the Development of manurial pits	50.00	4.00	37.00	37.00	44.40	—
SC 21.2 Individual water borne latrines in rural areas	60.00	43.00	60.00	57.00	125.00	—
SC 22.1 Integrated and comprehensive programme for Socio Economic Housing Dev. of SC landless Agriculture labour, Sweepers, Scavengers and other Artisans in Rural/Urban Areas.	—	360.32	208.00	211.00	—	—
SC 23.1 Advance Vocational Training for Self Employment to SCs in collaboration with ITI Patiaja	1.00	—	1.40	1.40	2.00	—
SC 24.3 Attendance Scholarship to SC Primary Girl Students	—	—	—	—	720.00	—
Total	618.40	727.75	1934.26	1855.01	2857.73	—

**ANNEXURE C**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**  
**DISTRICT LEVEL PLAN SCHEMES**  
**Beneficiary oriented Schemes**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>Labour and Labour Welfare :</b>						
Training Retraining, Seminar Study, Tour, Staff Training for men & women	3.00	1.31	—	—	—	—
ITI 2.14 Enhancement of rate by Rs. 50 as per revised norms	—	—	—	—	—	—
(i) of stipend per trainee	13.00	5.71	13.00	13.00	13.00	—
(ii) of raw material	—	—	50.00	50.00	50.00	—
Total	16.00	7.02	63.00	63.00	63.00	—
<b>Employment Services :</b>						
1. E. S. 4.5 Schemes for Project Scope of Avenues of Self Employment in the State	—	—	—	—	4.00	—
2. E.S. 4.6 Scheme for providing pre-service on the job training of ITI Trained applicants for employment.	—	—	—	—	60.00	—
3. E.S. 4.7 Setting up of Distt-vocational Guiding Centre at each Distt. H. Q.	—	—	—	—	6.00	—
<b>Industrial Training :</b>						
4. ITI 2.11 Upgradation of four SC ITIs. at Mansa, Mukatsar, Faridkot & Fatehgarh Churian.	52.00	—	90.00	90.00	—	—
5. ITI 2.12 Purchase of Land and Construction of building for Art & Craft Centre, Amritsar.	12.00	—	20.00	20.00	—	—
Total	64.00	—	110.00	110.00	70.00	—
<b>Social Security and Welfare</b>						
SW 2.2 Supply of Prosthetic and to Handicapped	—	—	—	—	0.60	—
SW 4.3 Capital subsidy to EUS women under Bank -tie up Loans	—	—	15.00	15.00	5.00	—
SW 9.1 Financial Assistance to Disabled persons	5.00	4.17	8.00	8.00	15.00	—
SW 11.1 Financial Assistance to Dependent Children	7.00	6.21	14.00	14.00	28.00	—
SW 12.1 Financial Assistance to Widows and Destitute women	14.00	20.25	65.00	64.12	90.00	—
SW 13.1 Old age pension	100.00	55.53	190.00	190.00	145.97	—
SW 10.1 (ii) Marriage grant for visually handicapped	0.60	5.25	1.00	0.85	2.40	—
SW 10.1 (iv) State Award to handicapped sportsmen	—	—	0.50	0.38	1.00	—
Total	126.60	91.41	293.50	292.35	287.97	—
<b>Nutritious</b>						
Nutritious Diet	—	200.00	300.00	300.00	514.13	—
Total	—	200.00	300.00	300.00	514.13	—
<b>Grand Total</b>	5437.55	7609.75	7623.14	7533.90	7762.41	2135.75

**ANNEXURE-D**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**  
**DISTRICT LEVEL PLAN SCHEMES**  
**Infrastructure Schemes**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93		
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	
<b>Crop Husbandry</b>							
A. P. 4.1	Soil Testing labs.	35.00	18.55	50.00	44.26	41.00	21.00
A (P) 5.1	Ground Spraying of Crops/Mobile ground Spraying	0.20	—	—	—	—	—
A. P. 9.5	Setting up of the crop cutting machinery for block level estimates	4.00	—	—	—	—	—
10.5							
A. P. 11.4	Establishment of Development centres for improving its efficiency at Agri- cultural Machinery Spinfed Bathinda	15.00	—	—	—	—	—
		—	—	—	50.00	—	—
	Total	54.20	18.55	50.00	94.26	41.00	21.00
<b>Marketing and Quality Control</b>							
A. P. 20.1	Grading of Food Grains and oil Seeds in regulated Market	8.00	—	—	—	—	—
18.1							
	Total	8.00	—	—	—	—	—
<b>Soil and Water Conservzation</b>							
SC(A) 3.2	(ii) Soil and Water Conservation prog- rammes in other areas of the state	186.00	—	—	—	—	—
SC(A) 3.3	Pilot Demonstration Soil Conervation— Cum - Development Project in Kandi Tract on Sukhomajri Pattern	150.00	150.00	100.00	100.00	100.00	—
SC(A) 3.4	Water Harvesting technology in ecologically handicapped areas	50.00	19.00	75.00	75.00	75.00	57.00
	Total	386.00	169.00	175.00	175.00	175.00	57.00
<b>Animal Husbandry</b>							
AH 3.1	Providing of Efficient vety. Services (i) Opening of new modern vety. Hospitals, Dispensaries, Stting up of Private vety. clinics and upgradatoin of existing vety.Dispinto vety Hospitals	128.00	129.41	129.60	135.80	130.00	—
AH 3.8	Providing Specialised Multi Dispensary Vety Services Setting up vety. Poly—Clinic at District level	188.00	139.92	73.40	136.35	91.50	65.00

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**  
**District level Plan Schemes**  
**Infrastructure Schemes**

(Rs. in Lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1991-92		
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved outlay	Of which capital Content	
1	2	3	4	5	6	7	
AH 3.12	AH 3.12 Modernisation of old existing vety. Hospital by Providing latest tools appliances of diagnostic aids & Providing of residence accomodation to vety. Personnel Services in rural areas	28.00	23.29	52.00	58.50	100.00	—
AH 3.15	Aid to Zila Parishad and Panchayat Samities Vety. hospitals and dispensaries	99.00	98.48	99.00	102.00	107.68	—
AH 8.5	Modernisation of slaughter houses in Punjab	10.00	10.00	10.00	10.00	—	—
AH 3.2	Providing of building facilities for vety. Hospitals/dispensaries	123.00	137.70	—	—	—	—
AH 2.1	Strengthening of office of District Animal Husbandry Officer/P.O./I.C.D.P., Punjab	3.00	—	—	—	—	—
AH 3.4	Prophylactic Vaccination against Foot and Mouth	10.00	5.00	—	—	—	—
AH 3.11	CSS-Systematic Control of livestock diseases of national importance and other related aspects	10.80	19.40	—	—	3.00	—
		599.80	563.20	364.00	442.65	429.18	65.00
<b>Dairy Development</b>							
D.M. 3.1	Scheme for extension training and education in improved methods of dairying to milk Producers	—	—	17.00	17.00	13.00	—
	Total	—	—	17.00	17.00	13.00	—
<b>Fisheries</b>							
FH 2.1	Establishment of new Fish Seed Farms/ Completion and modernisation of existing fish seed farms	25.00	42.13	78.20	78.20	80.00	80.00
3.1	Renovation/alteration of existing fish seed farms	10.00	2.31	—	—	—	—
FH 2.7	Assistance to Fish Farmers development agencies in the state	65.00	49.59	40.00	40.00	141.00	—
		100.22	94.03	118.20	118.20	221.00	80.00
<b>Rural Development</b>							
	Jawahar Rozgar Yojna (JRY) (State Share)	853.90	289.72	400.00	493.91	400.00	—
CD 2.5	Financial assistance to Panchayati Raj Institutions for Revenue Earning Schemes	75.00	52.31	100.00	100.00	120.00	—
CD2.6	Improvement of Rural Environment & Infrastructure	3750.14	2032.71	900.67	2,487.33	3,220.69	—
		4679.04	2374.74	1400.67	3081.24	3740.69	—

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**  
**DISTRICT LEVEL PLAN SCHEMES**  
**Infrastructure Schemes**

(Rs. in lakhs)

Sr. No.	Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8
<b>Forestry and Wild Life</b>							
Ft1.2	Construction of Building	8.00	6.45	10.00	10.00	10.00	—
Ft2.3	Raising of Forest Plantation in Govt. lands	275.30	343.23	—	—	381.00	—
Ft2.4	Farm Forestry	75.00	72.53	—	—	70.00	—
		358.30	422.21	10.00	10.00	461.00	—
<b>Irrigation and Flood Control</b>							
<b>Minor Irrigation:</b>							
1.	Lift Irrigation Scheme in Ropar and Anandpur Sahib Block	—	—	47.00	47.00	2.50	2.50
2.	Constg. Nidhana Minor RD 0—10000 Off-taking from 38345/R Niramvah Disty.	—	—	6.00	6.00	6.00	6.00
3.	Constg. N/L Akli Minor Off-taking RD 42490—L Raunta Disty.	—	—	2.00	2.00	—	—
4.	Constg. N/L Ablu Minor off-taking RD 58212 /L Jaitu Disty.	—	—	52.68	52.68	49.00	49.00
5.	Constg. N/L Akli Link Sub-Minor Off-taking RD 8500/R Mohma Minor of Kot Bhai Disty.	—	—	1.00	1.00	—	—
6.	Constg. Bhanga Shakoor reclamation Channel 10—43570 Off-taking RD 10500/L Kasubgu Disty	—	—	36.00	18.00	36.00	36.00
7.	Const. Mehma. Minor from O—14525 of taking R D 83460/Kasu begen Distrbutory	—	—	—	—	11.50	11.50
8.	Const. N/L/ channel of Bazidpur Minor of taking RD—626400/R Abohar	—	—	—	—	10.00	10.00
9.	3—R Minor New Mudki Disty, RD—0—27000 taking off—taking RD 127420	—	—	—	30.00	—	—
	<b>Total Minor Irrigation</b>	—	—	144.68	156.61	115.00	115.00
<b>Flood Control and Antiwater Logging:</b>							
	<b>Flood Control and Drainage</b>	—	—	525.00	1355.59	785.00	785.00
	<b>Total : Irri. Flood Control</b>	—	—	669.68	1512.27	900.00	900.00
<b>Power</b>							
	<b>Rural Electrification</b>	—	1000.00	1500.00	1500.00	3000.00	3000.00
		—	1000.00	1500.00	1500.00	3000.00	3000.00
<b>Village and Small Scale Industries:</b>							
IN 3.1	Equipping and Modernisation of Industrial development Centres	5.00	5.00	—	—	—	—
IN 3.2	Equipping and Modernisation of Quality Marketing Centres	5.00	6.74	—	—	—	—



**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**Outlay and Expenditure**  
**District Level Plan Schemes**  
**Infrastructure Schemes**

(Rs. in lakhs)

Major/Minor Head of Development Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital Contents
1	2	3	4	5	6	7
IN 3.3 Sewing Machine Development Centre, Ludhiana	14.00	6.50	To State level	—	—	—
IN 3.4 Punjab Test house, Ludhiana	5.00	5.00	do	—	—	—
IN 3.6 Research & development Centre for Bicycle, Ludhiana	30.00	20.00	—	—	—	—
Others	72.75	—	—	—	—	—
	131.75	43.24	—	—	—	—
<b>Roads and Bridges:</b>						
R.D. 1.1 Main Roads and Missinglinks	40.00	49.50	60.00	60.00	60.00	60.00
R.D. 1.2 Improvement widening and providing additional crustion existing roads	750.00	661.82	800.00	1148.72	1000.00	1000.00
R.D. 5.2 Improvement of Roads within M.C. Limits	75.00	88.01	100.00	143.90	100.00	100.00
R.D. 3.1 Village Roads	10.00	—	200.00	200.00	200.00	200.00
	875.00	799.33	1160.00	1552.62	1360.00	1360.00
<b>Road Transport :</b>						
R.T. 3(1) Installation of various equipments for road safety	20.00	93.11	—	—	30.00	—
	20.00	93.11	—	—	30.00	—
<b>Education :</b>						
ED 1.2 Opening of Primary School	1.40	0.42	—	—	—	—
ED 1.4 Furniture in Primary Schools	21.20	42.02	Merged in 1.10(ii)	—	—	—
ED 1.6 Part-time Sweepers in Schools	2.80	0.38	—	—	—	—
ED 1.7 Lavatory and drinking water facilities	15.00	16.72	Merged in 1.10(ii)	—	—	—
ED 1.10 Construction of classrooms/school buildings	200.00	905.60	Merged in to 1.19	—	—	—
ED 1.11 Science equipment and apparatus	20.00	9.96	Do	—	—	—
ED 1.14 Lavatory and drinking water facilities	14.60	10.03	Do	—	—	—
ED 1.15 Furniture in Middle Schools	20.00	16.80	Do	—	—	—
ED 1.16 Construction of classrooms/school buildings	60.00	141.34	Do	—	—	—
ED 1.17 Construction of Science Rooms	40.00	64.04	Do	—	—	—
ED 1.18 Universalisation of elementary education	3.00	—	To State level	—	—	—
ED 2.4 Science equipment and apparatus	50.00	72.20	Merged into 2.20	—	—	—
ED 2.8 Furniture in High/Senior Secondary Schools	25.00	91.10	Merged in 2.20	—	—	—
ED 2.9 Lavatory and drinking water facilities	50.00	80.23	Do	—	—	—

**ANNEXURE 'D'**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**

**District Level Plan Schemes**

**Infrastructure Schemes**

(Rs. in lacs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7
BD 2.16	Introduction of Library Services in Govt. High Schools		8.00	To State level schemes	—	—
ED 2.18	100.00	180.62	Merged in 2.20		—	—
ED 2.19	180.50	138.61	Do		—	—
ED 2.17	5.00	Do	—	—	—	—
E.D. 1.10	(i) Purchase of land for Primary Schools in urban areas		—	25.00	25.00	—
	(ii) Provision of facilities for improvement of Primary education (building)		—	362.80	648.12	459.00
	(b) For Seating		—	—	62.00	—
ED 1.2(I)	Opening of Pre Primary School		—	—	3.00	—
ED 1.2 (II)	Conversion of existing Govt. Primary School in rural areas into Govt. Model Primary Schools		—	—	17.00	—
E.D. 1.12	Upgradation of Primary Schools to Middle Standard		—	0.88	0.88	—
E.D. 1.19	Provision of facilities for improvement of Middle Education		—	55.00	85.00	50.00
ED 2.13	Upgradation of Middle Schools to High Level		4.34	—	1.12	—
ED 2.15	(a) Introduction of 10+2 System of Education in Government Schools		350.00	213.59	202.60	200.00
	(b) Vocational system of 10+2 System of Education		50.00	—	40.00	—
ED 2.20	(a) Provision of facilities for Improvement of Secondary Education for building		—	18.68	342.75	471.14
	(b) For Seating		—	—	—	51.00
	1220.84	2007.49	1030.15	1473.86	1142.00	909.00
<b>Sports and Youth Services:</b>						
SY 1.4	Providing of Sports material to Govt. Middle, High/Higher Secondary & Senior Secondary Schools		14.00	1.00	To State	—
S.Y. 1.6	(ii) Improvement in Rural area Schools (to be implemented on 50:50 Sharing basis with Government of India)		—	77.83	10.00	10.00
	Total	..	14.00	78.83	10.00	10.00
<b>Medical and Public Health</b>						
PH 1.3	(a) Opening of New Dispensaries in Urban Slum Area & other suitable places		9.00	4.87	19.00	19.00
PH 1.3	(b) Strengthening of existing Dispensaries/ Institution in Medium Towns		—	—	18.00	18.00

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**OUTLAY AND EXPENDITURE**  
**District Level Plan Schemes**  
**INFRASTRUCTURE SCHEMES**

(Rs. in lakhs)

Major/Minor Head of Development/Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Exp.	Approved Outlay	Anticipated Exp.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>P.H. 1.5</b> Upgradation of Existing Hospitals Institutions.	68.00	137.48	—	—	5.00	5.00
<b>P.H. 1.6</b> Establishment of Intensive Care Units in District Hospitals	18.00	9.20	—	—	—	—
<b>PH 1.8</b> Opening of Pspchiartric Clinics at District Level Hospitals	—	17.70	6.50	6.50	10.00	—
<b>PH 1.9</b> Estt. of Psysiotherapy units at District Level Hospitals	7.50	4.10	8.50	8.50	13.00	—
<b>P.H. 1.10</b> Blood Transfusion Services in the State Sub-Divisional Hospitals	9.00	15.21	—	—	10.00	—
<b>PH 1.11</b> Providing Independent Feeders to provide continuous light in Hosps.	10.00	11.15	10.00	10.00	13.00	—
<b>PH 1.12</b> Providing of the Generator Set at District & Other important Hosps.	10.00	6.82	10.00	10.00	13.00	—
<b>PH 1.13</b> (a) Providing of Solar Water Heating pannels in Hospitals	5.00	3.17	5.00	5.00	7.00	—
<b>PH 1.19</b> Providing of Mortuary Vans at District Headquarter Hospitals	—	—	5.75	5.75	9.50	—
<b>PH 1.20</b> Improment of Distt. Offices by additional space/renovation and Store facilities	—	—	—	—	18.00	12.00
<b>PH 1.21</b> Removed of Short Comings in the existing Distt. Sub divisional & other Hospitals	147.25	253.39	—	15.00	5.00	—
<b>PH 3.1</b> (a) Opening of New Sub-Centres MPW Schemes Strenghtening of Sub-Centres	116.50	231.78	78.00	78.00	190.00	150.00
<b>PH 3.2</b> (a) Construction of Housing Oolony in Selected Blocks of the State for Doctors and Rara Medical Staff	—	145.33	50.00	50.00	145.00	145.00
(b) Grant-in-aid for construction of SHC/PHC building 40:60	—	—	50.00	52.37	50.00	50.00
<b>PH 3.5</b> Estt. of New PHCs/upgradation of Existing SHCs to PHCs.	280.00	40.70	200.00	200.00	225.00	165.00
<b>PH 3.5</b> (iii) Providing of Telephone facilities at 460 PHCs	—	—	13.00	13.00	17.00	—
<b>PH 3.5</b> (iv) Estt. of Mobile Medical Teams in 7 border areas (40 Teams)	125.00	89.64	93.00	93.00	5.00	—
<b>PH 3.5</b> (v) Estt. of one Model PHC in one block in each District (12)	15.00	86.30	10.00	10.00	—	—
<b>PH 3.7</b> Estt. of Community Health Centres	135.00	112.91	100.00	100.00	165.50	72.00
<b>PH 3.9</b> (a) Estt. of Dental Clinics Strengthening Removing of shortcomings in the existing Dental Central Clinics	12.00	39.67	12.00	12.00	15.00	—

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**Outlay and Expenditure**  
**District Level Plan Schemes**  
**INFRASTRUCTURE SCHEMES**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
PH. 3.9 (1) (i) Strengthening of Dental Clinics in 100 and above bedded Hospitals	—	—	—	—	15.00	—
P.H. 3.9 (1) (iii) Opening of New Dental Clinics at CHCS and other suitable places	—	—	—	—	13.00	—
PH 6.11 (a) Revamping of Emergencies in the State	—	—	—	—	—	—
PH 6.11 (b) Providing of better/Modern equipment for Major Hospitals	—	38.15	400.00	400.00	—	—
PH 6.11 (c) Estt. of Intensive Care Units in Districts	—	—	—	—	18.00	—
P.H. 6.11 Strengthening of Food Labs.	3.20	8.16	3.10	3.50	4.00	1.50
PH 6.18 Establishment of Health Equipment and maintenance Repair Unit	—	—	3.00	3.00	4.00	—
PH 7.2 Prophylaxis against Nutritional Anemia in Young Girls	4.45	15.05	5.00	5.00	7.00	—
P.H. 7.3 Management Information System	4.50	6.00	—	—	—	—
P.H. 7.4 Creation of Training/Leave reserve Posts of doctors	5.55	6.00	—	—	—	—
PH 7.5 Completion and Improvement in the buildings of the Department not owned by P.W.D.	100.00	259.48	100.00	100.00	100.00	100.00
PH 7.10 Mobile Team for disaster management (one for each district)	—	—	45.00	45.00	50.00	—
A.Y. 2.2 Strengthening of existing Hospitals	1.00	9.25	—	—	—	—
AY 2.3 Upgradation of Ayurvedic Dispensaries into Swasthya Kendras	9.00	—	9.50	9.50	18.00	—
A.Y. 2.4 Establishment of 10 bedded Ayurvedic Hospitals at District Headquarter	4.50	—	—	—	13.00	—
A.Y. 2.5 National Health Programme—Implementation through Ayurvedic	2.00	14.08	—	—	10.00	—
A.Y. 2.7 Providing of Essential Furniture/Equipment in the existing ISM Dispensaries	—	—	—	—	12.00	—
H.M. 2.3 Opening of Homoeopathic Dispensaries in the State	5.00	1.52	—	—	—	—
H.M. 2.4 Upgradation/Strengthening of existing Hospitals	68.00	137.48	—	—	—	—
H. M. 2.4 Strengthening of existing Dispensaries	5.00	2.27	—	—	—	—
Total	1169.45	1706.86	1254.75	1272.12	1230.00	700.50

## ANNEXURE—D

ANNUAL PLAN 1992—93

Outlay and Expenditure

District Level Plan Schemes

INFRASTRUCTURAL SCHEMES

(Rs. in lakhs)

Major/Minor Head Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7
<b>WATER SUPPLY AND SANITATION</b>						
<b>(A) Rural Water Supply and Sanitation :</b>						
(a) RWS—1 (i) Rural Water Supply	1800.00	1741.31	2200.00	2299.00	2450.00	2450.00
Total	1800.00	1741.31	2200.00	2299.00	2450.00	2450.00
<b>(B) Urban Water Supply and Sanitation</b>						
WS—1 Financial Assistance to Municipal Committees (Water Supply and Sewerage Schemes)—						
L. I. C. Aided Projects						
(i) 4th Package	150.00	—	To State Level	—	—	—
(ii) 5th Package	500.00	—	Do	—	—	—
(d) HUDCO Aided Water Supply Supply and Sewerage Projects	250.00	—	Do	—	—	—
Total	900.00	—	—	—	—	—
Total (A+B)	2700.00	1741.31	2200.00	2299.00	2450.00	2450.00
<b>Housing :</b>						
HG 1.1 For Government Residential Building at district/tehsil headquarters and at other places	383.00	67.10	364.00	364.00	400.00	400.00
HG 5.1 (b) Grant to Cooperative House building Societies/Housing Federations for development of Housing Project Sites in Rural Areas	120.00	—	120.00	—	93.00	93.00
Total	503.00	67.10	484.00	364.00	493.00	493.00
<b>Urban Development</b>						
UD—6 Environmental Improvement of Slums	165.00	72.72	175.00	174.25	150.00	150.00
UD—8 Grant-in-aid to MCs./Corporations/NACs :						
(i) Development activities	200.00	974.76	1200.00	1331.93	3538.00	3538.00
(ii) Punjab Urban Renewal Project	3000.00	1685.99	4010.00	2349.00	2500.00	2500.00
UD—9 Low Cost Sanitation for Rehabilitation of Scavengers	—	—	50.00	50.00	—	—
UD—10 Counter Magnet to NCR, New Delhi- Patiala	—	—	200.00	100.00	—	—
Total	3365.00	2733.47	5635.00	4004.23	6188.00	6188.00

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**Outlay and Expenditure**  
**District Level Plan Schemes**  
**INFRASTRUCTURE SCHEMES**

(Rs. in lakhs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93		
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	
<b>Social Welfare :</b>							
SW 3.5	Assisted Home work schemes for children of E. W. S. Women PUNWQC	5.00	—	2.00	3.20	3.00	—
SW 3.6	Day care Centre for children of working women-PUNWAC	2.50	2.00	12.50	13.75	3.03	—
	<b>Total</b>	<b>7.50</b>	<b>2.00</b>	<b>14.50</b>	<b>16.95</b>	<b>6.03</b>	<b>—</b>
<b>Welfare of S. Cs, S. T. and other B. Cs.</b>							
	Hostel for Boys and Girls Schools and Colleges	1.50	0.53	(To State level)	—	—	—
SC 6.1	Environmental Improvement in S. C. Basti including drinking water units	119.45	77.55	180.00	181.01	130.00	—
SC 9.1	One Electric Point connection in S. C. Dharamshala	11.54	6.32	11.54	11.54	14.00	—
SC 17.1	Nursery School-cum-Crèches in the localities of safai Mazdoors	56.00	10.72	28.00	30.00	33.60	—
SC 20.1	Reading Room in S. C. Dharamshalas	15.00	40.68	15.00	20.25	20.00	—
	Completion/Improvement of S. C. Dharamshalas	—	82.85	—	—	—	—
SC 24.7	Construction of Dr. B. R. Ambedkar Bhawan.	—	—	—	100.00	200.00	200.00
	<b>Total</b>	<b>257.50</b>	<b>209.03</b>	<b>234.54</b>	<b>342.80</b>	<b>397.60</b>	<b>200.00</b>
<b>LABOUR AND LABOUR WELFARE—</b>							
<b>Industrial Training Institutions :</b>							
ITI 2.1	Substitution to unpopular grade to popular ones and introduction of new trade in I. T. I. and addition to and replacement of tools and equipment	20.00	1.47	19.00	19.00	State level	—
		—	1.70	—	—	—	—
ITI 2.3	Completion of Existing Buildings and construction of new buildings for existing I.T.I.s/I. T. Is/TATs/G/S/Art and Craft Centre/provision of land	10.00	2.62	20.00	20.00	85.00	85.00
ITI 2.3	Construction of advanced I.T.I. for S. C.	50.00	—	50.00	—	—	—
ITI 2.4	Modernisation of I. T. I. under UNDP/ILO	2.00	—	(To State level)	—	—	—
ITI 2.6	Expansion of I. T. Is. located in the rural areas	10.00	—	10.00	11.20	—	—
ITI 2.7	Opening of New I. T. Is. in Rural un-represented minorities concentrated areas	30.00	—	20.00	20.00	—	—
ITI 2.8	Providing independent feeder/diesel operating sets in I. T. Is.	3.00	—	5.00	5.00	—	—

**ANNEXURE D**  
**ANNUAL PLAN 1992-93**  
**Outlay and Expenditure**  
**District Level Plan Schemes**  
**INFRASTRUCTURE SCHEMES**

(Rs. in lacs)

Major/Minor Head of Development/ Name of the Scheme	Annual Plan 1990-91		Annual Plan, 1991-92		Annual Plan 1992-93	
	Approved Outlay	Anticipated Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7
ITI 2.13 Modernisation of work centre, Rajpura	5.00	— (To State level)	—	—	—	—
ITI 2.16 Setting up of 5 new I.T.Is. for girls (50:50) World Bank Project	50.00	— (To State level)	—	—	—	—
<b>Women Training :</b>						
ITI 3.1 Completion of existing building and construction of new buildings for GISG/Government Industrial Training Institute for Women	30.00	6.01	35.00	35.22	—	—
ITI 3.3 Modernisation and replacement of machinery and equipment in Girls Schools	10.00	0.28	10.00	11.00	30.00	—
ITI 3.4 To provide deficient staff according to norms in the existing Government Industrial Training Institute for Girls	2.00	— (To State level)	—	—	—	—
ITI 3.5 Opening of new Industrial Schools for F Girls and introduction of additional seats in the existing schools	6.00	—	5.00	5.00	10.00	10.00
<b>Employment :</b>						
ES 4.1 Expansion of Employment Services in urban area	3.00	—	3.20	3.20	—	—
ES 4.2 Setting up of Rural Manpower Units	2.00	—	0.80	0.80	—	—
Total	233.00	16.67	178.00	180.42	125.00	95.00
<b>Public Works :</b>						
<b>Infrastructures : Schemes—</b>						
PW 3.1 (a) Divisional Offices/Tehsil Buildings	—	—	495.00	449.95	—	—
C (b) Monstruction of Sales Tax Check Barrier at Shamboo	—	—	7.00	7.00	—	—
C (d) Construction of Additional Complex for additional Excise and Taxation Commissioner's Office, Patiala	—	—	8.00	8.00	—	—
C (e) Construction of Building Complex for the Sales Tax Check Barriers in the State	—	—	40.00	40.00	—	—
PW 3.2 Courts	—	—	75.00	75.00	—	—
PW 3.3 Patwar Khanas	15.00	—	15.00	15.00	86.00	86.00
PW 3.4 Police Stations	—	—	100.00	100.00	120.00	120.00
Other Infrastructure	—	140.49	—	—	165.60	—
Total	15.00	140.49	740.00	694.95	371.60	206.00
Grand Total	16697.69	14280.61	17245.49	19161.57	22618.50	16724.50
United Funds	2400.00	2385.55	2498.00	2528.65	1817.50	1817.50
Overall Total of District level Schemes	25549.85	24760.78	28402.83	30358.57	33678.21	21734.85

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**PART II**  
**STATEMENT**

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**PART-II**  
**STATEMENTS**

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**ANNEXURE**  
**ANNUAL PLAN**  
**Outlay and Expenditure for 1990-91**

Code No.	Major Head/Minor Head of Development	1990-91		1991-92	
		Budgeted Outlay	Expenditure	Budgeted Outlay	Anticipated Expenditure
1	2	3	4	5	6
<b>I. Agriculture and Allied Activities</b>					
	Crop Husbandry	3142.30	2161.94	3357.80	1251.1
	Soil and Water Conservation	1336.00	1026.22	973.00	1153.00
	Animal Husbandry	973.00	1303.52	873.50	969.90
	Dairy Development	338.00	599.03	469.00	432.65
	Fisheries	208.00	229.47	207.00	184.91
	Forestry and Wild Life	530.00	588.03	584.00	709.30
	Food Storage and Warehousing	0.10	—	0.10	—
	Agricultural Research and Education	335.00	316.41	525.00	527.50
	Agricultural Financial Institutions	460.00	454.00	550.00	550.00
	Marketing and Quality Control	8.00	6.43	13.00	12.98
	Co-operation	1720.00	1680.96	2164.00	2443.50
	<b>Total</b>	<b>9050.40</b>	<b>8366.01</b>	<b>9716.40</b>	<b>8234.90</b>
<b>II. Rural Development</b>					
Special Programmes for Rural Development					
	IRDP & Allied Programmes	581.50	547.59	645.70	543.33
	Rural Employment (Jawahar Rozgar Yojna)	353.90	328.89	400.00	493.91
	Other Rural Development Programmes (Inclu. Community Development and Panchayats)	4010.00	1955.83	1048.61	2634.67
	<b>Total</b>	<b>4945.40</b>	<b>2832.31</b>	<b>2094.31</b>	<b>3671.91</b>
<b>III. Special Area Programmes</b>					
	Integrated Watershed Dev. Project (Hills)	700.00	592.39	1000.00	770.19
	<b>Total</b>	<b>700.00</b>	<b>592.39</b>	<b>1000.00</b>	<b>770.19</b>
<b>IV. Irrigation and Flood Control</b>					
	Major and Medium Irrigation	4571.00	2841.20	4071.00	4018.00
	Minor Irrigation	1744.00	1717.65	1934.68	1930.30
	Command Area Development	585.00	578.40	1100.00	1700.00
	Flood Control (Incl. Anti-sea erosion, etc.)	1606.00	1487.40	1440.00	2200.50
	<b>Total</b>	<b>8506.00</b>	<b>6624.65</b>	<b>8545.68</b>	<b>9848.90</b>

1992-93

1991-92 and Approved Outlay for 1992-93

(Rs. in lakhs)

Annual Plan (1992-93)		Employment Content (*000 persons)	Rural Component
Approved Outlay	Of which Capital Content	1992-93	1992-93
7	8	9	10
2598.02	1278.50	9.02	2598.02
1168.00	460.00	3.09	1168.00
1300.00	133.00	0.57	1300.00
568.00	463.25	0.09	568.00
297.00	80.00	0.16	297.00
812.00	—	7.38	812.00
0.10	0.10	—	0.10
800.00	147.15	—	800.00
632.00	632.00	13.89	632.00
15.20	—	—	15.20
1144.26	1115.16	12.08	1144.26
9334.58	4309.16	46.28	9334.58
674.05	—	25.00 8.00 (Self-Emp.) 12.09	674.05
400.00	—	12.09	400.00
3402.08	—	11.77	3402.08
4476.13	—	48.86	4476.13
1200.00	—	8.00	1200.00
1200.00	—	8.00	1200.00
4071.00	3906.00	12.42	4071.00
2089.00	1785.00	6.22	2089.00
1200.00	1200.00		1200.00
1640.00	1640.00		9.31
9000.00	8531.00	27.95	9000.00

**ANNEXURE-**  
**ANNUAL PLAN**  
**Outlay and Expenditure for 1990-91, 1991-92 and approved**

Code No.	Major Head/Minor Head of Development	1990-91		1991-92	
		Budgeted Outlay	Expenditure	Budgeted Outlay	Anticipated Expenditure
1	2	3	4	5	6
<b>V.</b>	<b>Energy</b>				
	Power ..	35000.00	50519.00	35000.00	35000.00
	Non conventional sources of energy ..	71.00	76.93	99.00	132.00
	Integrated Rural Energy Programme ..	30.00	30.00	30.00	30.00
	<b>Total</b> ..	<b>35101.00</b>	<b>50625.93</b>	<b>35129.00</b>	<b>35162.00</b>
<b>VI.</b>	<b>Industry and Minerals</b>				
	Village and Small Industries ..	930.00	2914.86	1664.00	1610.66
	Industries (Other than Village and Small Industries) ..	3770.00	3621.50	4736.00	5151.29
	<b>Total</b> ..	<b>4700.00</b>	<b>6536.36</b>	<b>6400.00</b>	<b>6761.95</b>
<b>VII.</b>	<b>Transport</b>				
	Civil Aviation ..	60.00	31.50	80.00	100.00
	Roads and Bridges ..	1610.00	1609.60	2150.00	2642.62
	Road Transport ..	2200.00	2053.17	2407.03	2607.03
	<b>Total</b> ..	<b>3870.00</b>	<b>3694.27</b>	<b>4637.03</b>	<b>5349.65</b>
<b>VIII.</b>	<b>Science, technology and Environment</b>				
	Scientific Research (Incl. S & T) ..	99.00	108.89	137.75	118.95
	Ecology and Environment ..	57.50	42.64	86.00	89.25
	<b>Total</b> ..	<b>156.50</b>	<b>151.53</b>	<b>223.75</b>	<b>208.20</b>
<b>IX.</b>	<b>General Economic Services</b>				
	Secretariat Economic Services	2590.00	2485.24	2767.50	2649.43
	Tourism	150.00	117.00	177.50	—
	Survey and Statistics	15.87	1.71	40.25	8.00
	Civil Supplies	2.00	5.04	20.00	1.00
	Other General Economic Services—(Programme Implementation)	4.00	0.31	4.00	0.48
	<b>Total</b>	<b>2761.87</b>	<b>2609.30</b>	<b>3009.25</b>	<b>2658.91</b>

1  
1992-93  
outlay for 1992-93

(Rs. in Lakhs)

Annual Plan (1992-93)		Employment Content ('000 persons)	Rural Component
Approved Outlay	Of which Capital Content	1992-93	1992-93
7	8	9	10
39668.00	39668.00	88.533	23285.00
175.00	100.25	69.010	88.00
40.00	—	12.750	40.00
39883.00	39768.25	170.293	23413.00
1910.00	1603.00	50.00	499.50
5190.00	5190.00	8.00	2088.00
7100.00	6793.00	58.00	2587.50
80.00	30.00	—	—
2500.00	2500.00	1.05	200.00
2650.00	2620.00	—	—
5230.00	5150.00	1.05	200.00
175.00	84.75	—	68.00
127.00	24.00	—	6.00
302.00	108.75	—	74.00
2150.00	1817.50	0.29	2250.00
52.00	50.00	—	—
75.00	—	—	—
7.70	—	—	—
4.00	—	—	—
2288.70	1867.50	0.29	2250.00

**ANNEXURE**  
**ANNUAL PLAN**  
**Outlay and Expenditure for 1990-91,**

Code No.	Major Head/Minor Head of Development	1990-91		1991-92	
		Budgeted Outlay	Expenditure	Budgeted Outlay	Anticipated Expenditure
1	2	3	4	5	6
<b>X.</b>	<b>Social Services Education</b>				
	General Education	1647.50	1417.51	2300.00	2185.72
	Technical Education	1000.00	620.45	3720.00	3921.42
	Sports & Youth Services	930.00	539.09	1081.00	312.85
	Art and Culture	339.00	119.36	294.00	128.24
	Sub-Total (Education)	(3916.50)	(2696.41)	(7395.00)	(6548.23)
	Medical and Public Health	1981.50	2208.36	3900.00	4448.97
	Water Supply and Sanitation	3225.00	2566.12	3099.50	3363.50
	Housing (incl. Police Housing)	3093.56	1796.93	2874.08	2783.89
	Urban Development (incl. State Capital Projects)	4472.00	8862.20	6866.00	5004.23
	Information and Publicity	201.00	173.23	201.00	195.25
	Welfare of Scheduled Castes, Scheduled Tribes & Other Backward Classes	1360.00	1624.76	2446.00	2523.39
	Labour and Labour Welfare	618.00	334.07	808.00	761.00
	Social Security and Welfare	271.00	195.05	430.00	421.08
	Nutrition	—	199.82	300.00	300.00
	Other Social Services (Defence Service Welfare)	53.00	47.46	130.00	130.00
	Total	19191.56	20704.41	28449.58	26479.54
<b>K1</b>	<b>General Services</b>				
	Jails	340.00	318.83	375.00	300.00
	Printing and Stationery	224.27	39.33	225.00	200.35
	Public Works	799.00	425.71	1025.00	1335.34
	Other Administrative Services (PSIPA)	154.00	1.00	170.00	18.00
	Total	1517.27	784.87	1795.00	1853.69
	Grand Total	90500.00	103522.03	101000.00	101000.00

—I

1992-93

1991-92 and Approved Outlay for 1992-93

(Rs. in Lakhs)

Annual Plan (1992-93)		Employment Content ('000 Persons)	Rural Component
Approved Outlay	Of which Capital Content	1992-93	1992-93
7	8	9	10
2710.00	1192.00	7.00	1504.00
4578.00	2255.00	1.63	—
1173.00	—	7.00	79.00
393.00	116.00	0.10	—
(8854.00)	(3563.00)	(15.73)	(1583.00)
4600.00	2018.50	19.78	601.00
3200.00	3200.00	3.00	2975.00
4300.00	4207.00	—	—
6500.00	6493.00	—	—
231.00	—	0.35	110.00
3920.94	611.81	39.00 (Self Emp.)	2729.98
944.33	224.14	0.18	228.78
452.77	105.00	—	228.88
514.13	—	—	478.24
173.40	80.40	—	56.80
33690.57	20502.85	39.04	8991.68
270.00	270.00	—	—
808.50	99.85	0.19	—
1200.00	1200.00	—	86.00
216.52	195.33	—	—
2495.02	1765.18	0.19	86.00
115000.00	88795.69	399.953	61612.89



## ANNEXURE-II

## ANNUAL PLAN 1992-93

## Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Sr. No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>1. AGRICULTURE &amp; ALLIED SERVICES</b>								
<b>1. Rice</b>								
	Irrigated	} '000' tonnes	6200	6535	—	6300	6400	6600
	Unirrigated							
	Total		6200	6535	—	6300	6400	6600
<b>(ii) Wheat</b>								
	Irrigated	} "	11500	12155	—	11650	11650	12000
	Unirrigated							
	Total		11500	12155	—	11650	11650	12000
<b>(iii) Jowar</b>								
	Irrigated	} "	—	—	—	—	—	—
	Unirrigated							
	Total		—	—	—	—	—	—
<b>(iv) Bajra</b>								
	Irrigated	} "	20	12	—	20	6	20
	Unirrigated							
	Total		20	12	—	20	6	20
<b>(v) Maize</b>								
	Irrigated	} "	500	336	—	600	350	300
	Unirrigated							
	Total		500	336	—	600	350	300
<b>(vi) Other Cercals</b>								
	Irrigated	} "	110	102	—	110	110	120
	Unirrigated							
	Total		110	102	—	110	110	120
<b>(vii) Pulses</b>								
	Irrigated	} "	200	109	—	220	214	182
	Unirrigated							
	Total		200	109	—	220	214	182

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**

**Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93**

Sr. No	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>(viii) Total Foodgrains</b>								
	Irrigated	} '000' tonnes	18530	19249	—	18900	18730	19222
	Unirrigated							
	<b>Total</b>			<b>18530</b>	<b>19249</b>	<b>—</b>	<b>18900</b>	<b>18730</b>
<b>2. COMMERCIAL CROPS</b>								
<b>(i) Oilseeds</b>								
<b>(a) Major Oilseeds</b>								
	Groundnut	"	20	8	—	8	8	10
	Caster Seed	"	—	—	—	—	—	—
	Sesamum	"	5	7	—	6	6	6
	Rapeseed & Mustard	"	275	73	—	175	175	158
	Linseed	"	1	1	—	1	1	1
	<b>Total</b>		<b>301</b>	<b>89</b>	<b>—</b>	<b>190</b>	<b>190</b>	<b>175</b>
<b>(b) Other Oilseeds</b>								
	Soyabean	"	—	—	—	—	—	—
	Sunflower	"	—	26	—	60	60	75
	Sarfflower	"	—	—	—	—	—	—
	Niger Seed	"	—	—	—	—	—	—
	<b>Total</b>		<b>—</b>	<b>26</b>	<b>—</b>	<b>60</b>	<b>60</b>	<b>75</b>
	<b>Total Oilseeds (a + b)</b>		<b>301</b>	<b>115</b>	<b>—</b>	<b>250</b>	<b>250</b>	<b>250</b>
(ii)	Sugarcane (Cane)	"	7000	6000	—	8000	7800	9900
(iii)	Cotton	'000' bales	2100	1909	—	2300	2400	2400
(iv)	Jute & Mesta	'000' tonnes	—	—	—	—	—	—
<b>3. MAJOR HORTICULTURE CROPS</b>								
<b>'A' Fruits</b>								
1	Apple	"	—	—	—	—	—	—
2	Banana	"	—	—	—	—	—	—
3	Orange (Citrus)	"	180	279	—	280	280	285
4	Mango	"	65	66	—	66	66	60
5	Grapes	"	25	56	—	60	60	60
6	Others (Guava, Ber, Litchi, Peach, Pear etc.)	"	300	228	—	234	234	245
	<b>Total</b>		<b>570</b>	<b>629</b>	<b>—</b>	<b>640</b>	<b>640</b>	<b>650</b>

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**

**Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93**

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
"B"	Vegetables including Potato	'000' tonnes	1400	1422	—	1440	1440	1450
	Total A+B		1970	2051	—	2080	2080	2100
<b>4. IMPROVED SEEDS</b>								
<b>(i) Production of Seeds</b>								
(a)	Cereals	"	13.850	5.60	—	6.725	7.50	12.330
(b)	Pulses	"	0.580	0.06	—	0.440	0.33	0.615
(c)	Oilseeds	"	0.600	0.07	—	0.220	0.22	0.237
(d)	Cotton	"	0.620	0.40	—	0.440	0.62	1.050
(e)	Jute & Mesta	"	—	—	—	—	—	—
	Total		15.650	6.13	—	7.825	8.67	14.232
<b>(ii) Distribution of Seeds</b>								
(a)	Cereals	'000' tonnes	15.200	4.27	—	6.150	5.70	7.565
(b)	Pulses	"	0.625	0.07	—	0.400	0.10	0.350
(c)	Oilseeds	"	0.300	0.03	—	0.200	0.27	0.220
(d)	Cotton	"	0.620	0.27	—	0.400	0.61	0.625
(e)	Jute & Mesta	"	—	—	—	—	—	—
	Total		16.745	4.64	—	7.150	6.68	8.760
<b>5 Chemical Fertilizers</b>								
(i)	Nitrogenous (N)	"	845	878	—	890	928	925
(ii)	Phosphatic (P)	"	335	328	—	360	355	380
(iii)	Potassic (K)	"	20	14	—	20	17	21
	Total		1200	1220	—	1270	1200	1326
<b>6 Plant Protection</b>								
(i)	Pesticides Consumption (Technical grade material)	"	6.56	6.50	—	6.60	6.60	6.700
(ii)	Area Coverage	'000' hect.	15000	14000	—	15000	14600	15000
<b>7 Area Under</b>								
(i)	Pesticides (ii) Fertilizers	"	The whole area is covered under Fertilizers and Pesticides					
<b>8 High Yielding Varieties</b>								
(i)	Rice—Total area cropped	"	1700	2024	—	1700	1950	1900
	Area under HYV	"	1600	1906	—	1600	1850	1750
(ii)	Wheat—Total area cropped	"	3100	3272	—	3050	3200	3250
	Area under HYV	"	3100	3272	—	2800	3200	3250
(iii)	Jowar—Total area cropped	"	—	—	—	—	—	—
	Area under HYV	"	—	—	—	—	—	—
(iv)	Bajra—Total area cropped	"	20	11	—	20	6	20
	Area under HYV	"	11	11	—	10	6	10
(v)	Maize—Total area cropped	"	250	188	—	175	190	165
	Area under HYV	"	160	160	—	145	160	150
	Total area under the above five cereals (Both HYV & Non-HYV)		5070	5495	—	4945	5346	5335

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**

Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Sr. No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
	Total area under the HYV—above 5 cereals	'000' hec.	4871	5349	—	4555	5216	5160
<b>9</b>	<b>Dry Land Rainfed Farming</b>							
	(i) Development of Selected Micro Water—Sheds (Cumulative)							
	(a) No. of watersheds taken up	No.	32	32	—	34	34	36
	(b) Area covered under watersheds	'000' hec.	32	32	—	34	34	36
	(c) Area under Land Development	„	2.0	2.0	—	2.0	2.0	2.0
	(d) Construction of Water Harvesting/ Storage Structure	No.	—	—	—	—	—	—
	(ii) Area covered outside the selected watersheds by dry farming practices	'000' hec.	300	302	—	300	300	300
	(iii) Adoption of dry farming/practices in and outside the selected watersheds	Nos.	—	—	—	—	—	—
	(a) Distribution of seeds fertilizer drills	„	30	34	—	30	30	30
	(b) Distribution of other improved implements	„	400	449	—	500	500	500
	(c) Distribution of Chemical fertilizers	'000' tonnes	—	—	—	—	—	—
	(d) Distribution of improved/ drought resistant seeds	„	1.11	1.12	—	1.00	1.00	1.00
	(e) Seedlings planted under afforestation	Lakh Nos.	—	—	—	—	—	—
	(f) Area covered under Social Forestry	'000' hec.	—	—	—	—	—	—
	(g) Other measures (Specify)	„	—	—	—	—	—	—
<b>10</b>	<b>Land Stock Improvements :</b>							
	(i) Reclamation of Alkaline areas	}	25.60	25.67	—	13.95	18.22	19.11
	(ii) Reclamation of Saline areas							
	(iii) Development of culturable wasteland and old fallow land for productive uses	„	—	—	—	—	—	—
	(iv) Development of Flood Prone/Coastal Saline area	„	—	—	—	—	—	—
<b>11</b>	<b>Cropped Area (Cumulative) :</b>							
	(i) Net	„	4250	N. A.	—	4275	N. A.	4275
	(ii) Gross	„	7300	N. A.	—	7550	N. A.	7550

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**

**Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93.**

Sr. No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>12 Agricultural Marketing :</b>								
(i)	Total No. of Markets at Mandi Level	No. (Cum.)	—	143	—	—	143	—
(ii)	Regulated Market	"	—	641	—	—	641	—
(iii)	Sub-Market	"	—	511	—	—	511	—
(iv)	Sub-Market Yards Developed	"	—	70	—	—	70	—
<b>13 Storage :</b>								
Owned Capacity with :								
(i)	State Warehousing Corpn.	'000' (Cum.) tonnes	1415	1415	—	1467	1467	1487
(ii)	Cooperatives	"	2342	2342	—	2342	2342	—
(iii)	State Government	"	—	—	—	—	—	—
<b>14 Soil Conservation</b>								
Area Coverage								
(i)	Agricultural Land	'000' ha.	14.982	14.728	Shortfall is due to late release of funds	22.950	22.950	23.250
<b>III. Cooperation :</b>								
(i)	Short term loans	Rs. in crores	550.00	363.13	Achievement was less due to disturbed condition in the State and adverse effect of loan waiving scheme	600.00	600.00	500.00
(ii)	Medium term loans	"	1.00	0.46		1.50	1.50	1.00
(iii)	Long term loans	"	120.00	58.09		106.00	86.00	95.00
(iv)	Retail sale of fertilisers	"	270.00	185.54		300.00	300.00	300.00
(v)	Agricultural Produce marketed	"	500.00	328.00		550.00	550.00	550.00
(vi)	Retail sale of consumer goods by urban consumer cooperatives	"	4.50	4.50		4.50	4.50	4.50
(vii)	Retail sale of consumer goods through Cooperatives in rural areas	"	40.00	36.93		40.00	40.00	40.00
(viii)	Cooperative Storage	Lakh tonnes	23.42	—	—	—	—	—
(ix)	Processing units							
	(a) Organised	No. (Cum.)	87	87	—	94	94	94
	(b) Installed	"	70	70	—	75	75	75

## ANNEXURE II

## ANNUAL PLAN 1992-93

Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>Animal Husbandry and Dairy Products</b>								
(i)	Milk	.. 000 tonnes	5170	5142	—	5395	5395	5700
(ii)	Eggs	.. Millions	1700	1820	—	1890	1890	1950
(iii)	Wool	.. Lakh Kg.	15.20	14.49	—	15.20	15.20	15.60
<b>Animal Husbandry Programme</b>								
(i)	I.C.D. Projects	.. No.	5	5	—	5	5	5
(ii)	No. of Frozen Semen Bull Stations	No. (Cum)	4	4	—	4	4	5
(iii)	No. of Insemination performed with exotic bull semen	.. Lakh No.	8.50	8.92	—	9.70	9.70	11.00
(iv)	No. of cross-bred Animals (Females)	Lakh No.	6.00	6.00	—	6.50	6.50	7.00
(v)	Establishment of Sheep Breeding Farms	No.	2	2	—	2	2	2
(vi)	Sheep and Wool Extension Centre	No.	38	38	—	38	38	38
(vii)	Establishment of fodder seed Production farms (Progressive)	No.	2	2	—	2	2	2
(viii)	Veterinary Hospitals— (opened during)							
	(i) New	.. No.	10	10	—	10	10	5
	(ii) Upgrading of Vety. Department Units	No.	—	—	—	—	—	50
	(iii) Private	.. No.	—	—	—	10	10	10
To the Govt. Vety. Health Institutions								
(a)	Veterinary Hospitals	.. No.	891	891	—	901	901	
(b)	Veterinary Dispensaries	.. No.	1008	1008	—	1008	1008	
<b>Aquaculture</b>								
(i)	Fish Production	.. (000 tonnes)	9.50	11.20	—	12.00	12	
(ii)	Fish Seed produced:							
	(a) Fingerlings	.. Cum.	—	—	—	—	—	
	(b) Fry	.. (Millions)	25.00	25.00	—	27		
(iii)	Fish Seed Farms	.. No.	10	10	—			
(iv)	Nurseries area	.. Hect.	30	30	—			
(v)	Hatcheries	.. No.	2	2	—			
<b>Dairy Programmes</b>								
(i)	Fluid Milk Plants (including composite and feeder/balancing milk plants) in operation	No.	10					
(ii)	Milk Products factories including creameries in operation	No.	9					
(iii)	Dairy Coop. Unions	.. No.	11	11				

## ANNEXURE II

## ANNUAL PLAN 1992-93

Physical Targets and Achievements during 1990-91 and 1991-92 and  
Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>Forests</b>								
(i)	Social Forestry	.. 000 Hect.	9.95	10.32	—	11.87	14.53	19.53
(ii)	Afforestation—							
	(a) Trees planted	.. 000 Nos.	28500.00	32820.00	—	20600.00	20600.00	22963.00
(iii)	Production of some selected forests products—							
	(a) Timber	.. 000 Cum.	60	43	—	50	50	50
	(b) Fuel Wood	.. ..	10	1	—	5	5	5
	(c) Bamboo	.. 000 National tonnes						
	Industrial	.. ..	1.00	—	—	1.00	1.00	1.00
<b>IRDP</b>								
(i)	Beneficiaries Identified	.. Nos.	—	—	—	—	—	—
(ii)	Beneficiaries assisted	.. Nos.	23060	35944	—	25500	25500	25000
(iii)	Scheduled Castes/Scheduled Tribes Beneficiaries (out of ii above)	.. Nos.	11530	18198	—	12750	12750	12500
(iv)	Beneficiaries Assisted under Industries Service and Business (I.S.B.)	.. Nos.	21354	25622	—	17850	17850	17500
(v)	Youths trained/being trained under TRYSEM	.. Nos.	6854	10287	—	6854	6854	8000
(vi)	Youth under self-employment	.. Nos.	6854	10277	—	6854	6854	8000
(vii)	Development of Women and Children in Rural Areas (DWCRA)							
	No. of Groups organised/strengthened	.. Nos.	240	220	—	448	448	500
	JRY— Employment generated	.. Lakh mandays	31.72	21.80	Shortfall due to less release of Central Assistance	36.36	36.36	33.00
<b>IRRIGATION AND FLOOD CONTROL</b>								
<b>Small and Medium Irrigation Schemes</b>								
	Construction and Improvement of Nahar Canal system (including Kandi canal)	Th. Sect.	—	—	—	1.50	1.50	1.50
	Construction of non-perennial Irr. UBDC tract	Do	0.01	0.01	—	0.04	0.04	0.00

**ANNEXURE II**  
**ANNUAL PLAN 1992-93**

Physical Targets and achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target (Th. Hectare)
1	2	3	4	5	6	7	8	9
3	Remodeling of channels utilisation of surplus Ravi Beas waters	Th. Hect.	10.00	10.00	—	17.00	17.00	12.00
4	Lining of channels phase I ..	Do	—	—	—	1.609 (28 km)	1.609 (28 kms)	1.50 (26 km)
5	Lining of channels Phase II ..	Do	3.00	3.00	—	8.50 (129 km)	8.50 (129 km)	4.00 (125 km)
<b>6. Setluj Yamuna Link Canal</b>								
	Providing irrigation facilities to Punjab areas	Do	—	—	—	—	—	—
7	Rehabilitation and Improvement of canals regulation structures in the canal system (Gates and Gearings)	Do	0.14	0.14	—	0.16	0.16	0.30
8	Dholbaha Dam	Do	—	—	—	—	—	—
9	Constg. Kahan Singh Wala Reclamation channel 0—58000 off taking RD 110780—Rhin Br. (Part of the scheme constg. New Disty. Mr. and Bridges)	Do	0.35	0.30	—	—	—	1.540
10	Constg. Nidhana Minor RD 0—18000 off-taking from RD 30345/R Nirmwala Disty.	Do	0.30	0.30	—	—	—	0.940
11	Constg. N/L Ahlu Mr. off-taking RD 58212/L Jaitu Disty	Do	—	—	—	—	—	1.50
12	Constg. Bhangar Shakoor Reclamation channel RD 0—43570 off-taking RD 10500/L Kasa Begu Disty.	Do	—	—	—	—	—	2.050
13	Constg. Mehma Minor from RD 0—14525 off-taking RD 83460/L Kasubegu Disty.	Do	—	—	—	—	—	0.620
	Constg. N/L channel of Bajidpur Minor off-taking from RD 626400 R. Abohar Minor.	Do	—	—	—	—	—	—
Total 'A'			13.80	13.80	—	28.809	28.809	25.96
<b>Minor Irrigation on Schemes</b>								
1	Low Dams in Kandi areas Phase-II	Th. Hect.	—	—	—	0.80	0.80	1.50
2	Lining of watercourses Phase-II	Do	1.20	1.20	—	7.00	7.00	3.20 (320 km)
3	Tubewells and other schemes ..	Do	2.160	2.160	—	2.95	2.95	3.00 (50 T. well)
4	Lift irrigation schemes ..	Do	0.14	0.14	—	0.57	0.57	—
Total 'B'			3.500	3.500	—	11.32	11.32	7.70
Grand Total A & B			17.300	17.300	—	40.129	40.129	33.66



## ANNEXURE II

## ANNUAL PLAN 1992-93

## Physical Targets and Achievements during the Annual Plan 1990-91 and 1991-92 and Proposals for 1992-93

(Rs in lakhs)

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>(iv) Power</b>								
(i)	Installed Capacity	M.W.	40	—	—	250	40	220
(ii)	Electricity Generation	MUs.	14682	13500	—	15300	15300	18807
(iii)	Electricity sold including export	MUs.	13000	Net yet finalised	—	14755	14700	17806
(iv)	Transmission lines 220 KV and above	Ckt. Kms.	80	90	—	212	212	281
<b>(v) Rural Electrification —</b>								
(a) Village electrified All the 12,126 inhabited villages electrified by 10-5-1976.								
(b)	Pumps/Tubewells energised by electricity	Nos.	30000	44237	—	30000	30000	25000
<b>(vi) Release of Connections—</b>								
(a)	General	Nos.	150000	133108	—	150000	150000	150000
(b)	Industrial	Nos.	5000	8865	—	7000	7000	7000
<b>(v) Non-Conventional number of energy</b>								
1	Installation of Domestic Biogas Plants	Nos.	2200	2334	—	2000	2000	2200
2	Community and Institutional Biogas Plants	Nos.	25	21	—	40	40	—
3	Solar Water Heating System	Nos.	60000	25300	—	116000	—	10000
4	Improvement efficiency of Pump sets	Nos.	500	378	—	500	—	—
<b>(vi) IREP</b>			<b>Blocks</b>	<b>8</b>	<b>8</b>	<b>—</b>	<b>10</b>	<b>10</b>

## ANNEXURE II

## ANNUAL PLAN 1992-93

Physical Targets and Achievements during 1990-91 and 1991-92  
and Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93 Target
			Target	Achievement		Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
<b>"Industry and Minerals"</b>								
<b>Village and Small Industries</b>								
<b>(i) Small Scale Industries—</b>								
(a)	Units functioning	.. No. 000(cum)	161.90	160.357	—	175.350	175.350	190.350
(b)	Production	.. Rs. in lakhs	—	2158	—	—	2238	2318
(c)	Persons Employed	.. No. lacs	—	6.69	—	—	7.20	7.70
<b>(ii) Industrial Estate and Area—</b>								
(a)	Focal Points	.. Nos. (cum)	16	16	—	16	16	5
(b)	No. of Units	.. Nos. 000	160	160	—	190	190	190
(c)	Production	.. Rs. in lakhs	—	—	—	—	—	—
(d)	Employment	.. No. 000 (cum)	1600	1600	—	1900	1900	1900
<b>(iii) Handloom Industry —</b>								
(a)	Production	.. M.Mts.	60	59	—	70	70	70
(b)	Employment	.. No. 000 (cum)	35	34	—	40	40	40
<b>(iv) Powerloom Industry—</b>								
(a)	Production	.. M. MTS.	280	278	—	300	300	300
(b)	Employment	.. No. 000 (cum)	70	70	—	80	80	80
<b>(v) Sericulture—</b>								
(a)	Production of raw silk	.. 000 Kgs.	8	7	—	10	10	10
(b)	Employment	.. No. 000 (cum)	1.6	1.4	—	2.3	2.3	2.4
<b>(vi) Coir Industry —</b>								
(a)	Production of Yarn	.. 000 tonnes	—	—	—	—	—	—
(b)	Production of other items	.. Do	—	—	—	—	—	—
(c)	Employment	.. No. 000 (cum)	—	—	—	—	—	—
<b>(vii) Handicrafts—</b>								
(a)	Production	.. Rs. in lakhs	—	—	—	—	—	—
(b)	Employment	.. No. 000 (cum)	—	—	—	—	—	—
<b>(viii) Khadi and Village Industries—</b>								
<b>(a) Within the purview of KVIC</b>								
(i)	Production	.. Rs. in lakhs	5000	5000	—	6000	6000	6000
(ii)	Employment	.. No. 000 (cum)	80	80	—	90	96	90
<b>(b) Outside the purview of KVIC</b>								
(i)	Production	..	—	—	—	—	—	—
(ii)	Employment	..	—	—	—	—	—	—
<b>(ix) District Industries Centre—</b>								
(a)	Units registered	.. No. (cum)	14000	14000	—	16000	16000	16000
(b)	No. of Artisans assisted	.. No. 000 (cum)	16	16	—	20	20	20
<b>(c) Financial assistance obtained from the financial Institutions including Banks— (Rs. in lacs)</b>								
(d)	Staff in position (as on date)							
(i)	General Manager	.. Nos.	12	12	—	12	12	12
(ii)	Functional Manager	.. Nos.	44	44	—	44	44	44
(iii)	Project Manager	.. Nos.	36	36	—	36	36	36

## ANNEXURE-II

## ANNUAL PLAN 1992-93

## Physical Targets and Achievements During 1990-91 and 1991-92 and proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan (1992-93)
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>IX. EDUCATION</b>								
<b>1 Elementary Education—</b>								
<b>(i) Class I—V (Age Group 6—10)</b>								
<b>(a) Total Enrolment—</b>								
	Boys	'000	1256	1256	—	1285	1285	1308
	Girls	„	1054	1054	—	1067	1067	1084
	<b>Total</b>	„	<b>2310</b>	<b>2310</b>	<b>—</b>	<b>2352</b>	<b>2352</b>	<b>2392</b>
<b>(ii) Percentage of age-group—</b>								
	Boys	„	101.22	101.22	—	102.31	102.31	101.71
	Girls	„	100.00	100.00	—	101.23	101.23	101.58
	<b>Total</b>	„	<b>101.14</b>	<b>101.14</b>	<b>—</b>	<b>101.77</b>	<b>101.77</b>	<b>101.70</b>
<b>(b) Enrolment of Scheduled Caste—</b>								
	Boys	'000	3.75	3.75	—	4.76	4.76	4.80
	Girls	„	2.95	2.95	—	3.22	3.22	3.35
	<b>Total</b>	„	<b>6.70</b>	<b>6.70</b>	<b>—</b>	<b>7.98</b>	<b>7.98</b>	<b>8.15</b>
<b>Percentage of age group—</b>								
	Boys		101.07	101.07	—	100.93	100.93	100.84
	Girls		100.07	100.07	—	109.15	109.15	103.72
	<b>Total</b>	„	<b>101.82</b>	<b>101.82</b>	<b>—</b>	<b>110.10</b>	<b>110.10</b>	<b>102.14</b>
<b>(d) Class VI—VII-Age Group (11—14)—</b>								
	Boys	'000	560	560	—	574	574	588
	Girls	„	392	392	—	402	402	412
	<b>Total</b>	„	<b>952</b>	<b>952</b>	<b>—</b>	<b>976</b>	<b>976</b>	<b>1000</b>
<b>Percentage of age-group—</b>								
	Boys		96.05	96.05	—	96.14	96.14	96.23
	Girls		74.10	74.10	—	97.34	97.34	101.17
	<b>Total</b>		<b>85.75</b>	<b>85.75</b>	<b>—</b>	<b>96.74</b>	<b>96.74</b>	<b>99.20</b>

## ANNEXURE-I

## ANNUAL PLAN 1992-93

Physical Targets and achievements during the Annual Plan 1990-91 and 1991-92 and Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1990-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>Enrolment of Scheduled Caste—</b>								
	Boys	'000	114	114	—	116	116	118
	Girls	„	65	65	—	66	66	68
	Total	„	179	179	—	182	182	186
<b>Percentage of age group—</b>								
	Boys		77.81	77.81	—	77.85	77.85	77.63
	Girls		47.08	47.08	—	46.80	46.80	47.22
	Total		62.03	62.03	—	62.75	62.75	62.83
<b>2 Secondary Education—</b>								
<b>(i) Class IX-X Enrolment—</b>								
	Boys	'000	271	271	—	277	277	283
	Girls	„	181	181	—	186	186	191
	Total	„	452	452	—	463	463	474
<b>(ii) Class XI-XII Enrolment—</b>								
	Boys	'000	86	86	—	88	88	90
	Girls	„	30	30	—	31	31	31
	Total	„	116	116	—	119	119	121
<b>3 Teachers—</b>								
	(i) Primary I—V	No.	47899	47899	—	47919	47919	47969
	(ii) Middle Classes VI— VIII	No.	25435	25435	—	26465	25465	25537
	(iii) Secondary Classes IX-X	No.	21923	21923	—	21983	21983	22055
	(iv) Senior Secondary Classes (XI-XII)	No.	1864	1864	—	4384	4384	5484
<b>Medical and Public Health</b>								
<b>D.H.S.</b>								
1	PH 3.5 (i) Establishment of PHC by upgrading existing SHCs.	Number	12	—	Sanction not received	12	12	12
2	PH 3.1 (a)— Opening of new Sub-Centre-MPW scheme strengthening of Sub-Centres	Number	112	—	Do	112	—	20

## ANNEXURE-II

## ANNUAL PLAN 1992-93

## Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Serial No.	Item	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2.	3	4	5	6	7	8	9
<b>MEDICAL AND PUBLIC HEALTH</b>								
<b>D.H.S.</b>								
1	PH 3.5(i)—Establishment of PHC by upgrading existing SHC's	Number	12	—	Santion not received	12	12	12
2	PH 3.1 (a)—Opening of new sub centres—HPW scheme streng the opening of subcentes	Number	112	—	Do	112	—	20
3	PH 3.7— Establishment of CHC	Number	16	—	Do	18	—	16
4	PH 1.3(a) Opening of New dispensaries in Urban slum areas/other suitable places	Number	5	—	—	5	5	5
5	PH 1.8—Opening of Psychaiatric units at District level hospitals	Number	—	—	—	—	—	3
6	PH1.9—Establishment of Physio-therapy units at District level hospitals	Number	—	—	—	—	—	2
<b>Homeopathic</b>								
1	H.M 12.3—Opening of Homeopathic dispensaries in the State	Number	—	—	—	—	—	30
2	H.M.2.7— Establishment of Mobile Homeopathic Units	Number	—	—	—	—	—	5
<b>Ayurvedic</b>								
1.	Ayurveda Hospital/Swasthya Kendras		1	1	—	12	10	8
<b>Sewerage and Water Supply</b>								
<b>(A) Urban Water Supply—</b>								
(a)	Original scheme Population covered	No. Lakhs	—	—	—	—	—	—
<b>(b) Urban Low Cost Sanitation</b>								
(a)	Community Latrines constructed	Nos.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
(b)	Household Latrines constructed	No.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
(c)	Towns covered	.. Lakhs		12	12	12	12	24
(d)	Population covered	.. Lakhs	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
<b>(c) Rural Water Supply</b>								
<b>1. Minimum Needs Programme—</b>								
<b>(a) Piped Water Supply—</b>								
(i)	Village Covered	.. Nos.	300	205		325	325	260
(ii)	Population covered	.. Lakhs	N.A.	2.26		3.21	3.21	2.90
<b>Central Sector A.R.P.</b>								
<b>Piped Water Supply—</b>								
(i)	Villages covered	.. Nos.	200	167		175	86	160
(ii)	Population covered	.. Lakhs	N.A.	2.16		N.A.	0.86	1.40

## ANNEXURE-II

## ANNUAL PLAN 1992-93

## Physical Targets and Achievements during 1990-91 and 1991-92 and Proposals for 1992-93

Serial No.	Items	Unit	1990-91		Remarks	1991-92		Annual Plan 1992-93
			Target	Achievement		Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
<b>(d) Housing</b>								
Village Housing Project—								
	(i) Rural Housing	.. Nos.	600	600	—	—	—	—
	(b) Low Income Group Housing Scheme	Nos.	400	400	—	400	400	—
	(c) Middle Income Group Scheme	Nos.	300	300	—	300	300	—
<b>(g) Urban Development</b>								
Environmental Improvement of slums								
	(i) Persons	.. Nos.	70,000	70,000	—	70,000	70,000	70,000
Welfare of S.Cs. P.B.Cs.								
1	Free supply of Books to S.C. student (+ 2 Classes)	Students (in lacs)	9.73	9.73	—	10.00	10.00	10.00
2	Hostel Building Construction	.. No.	—	—	—	2	2	3
Social Welfare								
	ICDS Projects	.. Projects (in Nos.)	60	60	—	61	61	66
		Bens (in lacs)	1.86	1.77	Due to late release of funds	2.86	2.86	3.03
2	Financial Assistance to Disabled persons	Peons (in Nos.)	1169	1169	—	2000	2000	2500
3	Financial Assistance to Women	Do ✓	4668	4668	—	7100	7100	9100
4	Financial Assistance to Children	Do	2208	2208	—	3700	3700	4700
5	Old age pension	.. Do	15000	13685	—	20000	20000	27000
6	Marriage grant to Visually Handicapped	Do	—	—	—	20	20	20
7	State Award to Handicapped Sportmen	Do	—	—	—	50	500	100

## ANNUAL PLAN 1992-93—PROPOSALS

A.1—Completed Schemes as on 31st March, 1990 (Sp<sup>i</sup>)

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the scheme	Commence- ment year	Estimated Cost		Cumu- lative ex- penditure upto end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>IV. Irrigation Control Schemes.</b>								
1 04 0000 00								
<b>B.I. Completed Schemes as on 31.3.1990 (Spill over liability)</b>								
<b>A. Major Irrigation Schemes (Commercial)</b>								
104270101								
IR1-2 Lining of Channels, Phase-I. . .		Moderinsation of Canals in all Distts. of Punjab	1974-75	15203.00	19092.00	18586.66	83.784	77.144
<b>B Medium Irr. Schemes.</b>								
104270100								
IR 1.17 Dholbaha Dam	03 4701	Flood Control-Cum- Irrigation to Area .. of District Hoshiarpur	1980-81	349.00	2113.00	1871.20	2.6	1.29
IR 1.21* Constructing Kahan Singh Wala Reclamation Channel 0—58000 off-taking RD-110780/R Main Branch (Part of the Scheme) Const. of New Distys. Minors dan Bridges.		Reclamation Channel of District Feroze- pur	1984-85	35.34	52.45	39.67	3.87	2.33
<b>Minor Irrigation Surface Work.</b>								
104270200								
01								
MI(I) 2.9* Constg. Nidhana Minor) RD 0—18000aoff-taking from 30343/R Nizmwah Disty.	Do	Reclamation channel of District Ferozepur	1987-88	9.75	23.00	16.16	0.94	—
MI(I) 2.14* Constg. N/L Akli Minor off-taking RD 42490/L of Raunta Disty.	Do	Flow Scheme District, Bhatinda	1986-87	15.88	59.35	26.22	—	—
MI(I) 2.15* Constg. N/L Akli Minor off-taking RD-8500-R Mehma Mara Minor of Kot-Bhai Disty.	Do	Flow Scheme District Bhainda and Faridkot	1988-89	9.67	12.23	2.50	—	—
<b>Total</b>				<b>15622.64</b>	<b>21352.03</b>	<b>20542.41</b>	<b>91.194</b>	<b>80.764</b>
R.T.P. (II) 2×210 MW	105280100 02 102	Thermal Ropar	1985	35198.00	39950.00	39686.00	420MW	420MW
				<b>35198.00</b>	<b>39950.00</b>	<b>39686.00</b>	<b>420MW</b>	<b>420MW</b>

## III A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

over liability, if any, for 1992-93 and Beyond)

(Rs. in lakhs)

Annual Plan, 1990-91	Annual Plan, 1991-92	Annual Plan, 1992-93	Anticipated Benefits (in Units) 1992-93	Remarks (Specifically Environmental measures/ Costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
376.77	500.00	500.00	1.50 (26 km)	—
172.85	—	—	—	—
—	13.00*	13.00*	1.540	Transferred to District Level
—	6.00*	6.00*	0.940	Transferred to District Level
—	2.00*	—	—	—
—	1.00*	—	—	—
549.62	522.00	519.00	3.980	—
171.00	—	400.00	—	—
171.00	—	400.00	—	—

\*District level schemes.



## ANNUAL PLAN 1992-93—PROPOSALS

A.1— Completed Schemes as on 31st March, 1990 (Spill over)

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Scheme	Commencement year	Estimated cost		Cumulative expendi- ture upto end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisa- tion
1	2	3	4	5	6	7	8	9
<b>Housing</b>								
HG 2-2	Houses for Homeless	Houses in Rural area	1973-74	324.00	324.00	318.59	318.59	—
HG 3-1	Contribution of Housing Board :							
	(i)	Allotment of free LIG Houses to registered migrants/widows/destitutes	—	1986-87	129.86	129.86	129.86	700 Houses 129.86
	(ii)	Allotment of LIG houses to registered migrants on concessional terms	—	1986-87	80.22	80.22	80.22	400 houses 80.22
		<b>Total</b>	—		<b>534.08</b>	<b>534.08</b>	<b>528.67</b>	<b>210.08</b>
<b>Urban Water Supply and Sewerage</b>								
WS-1	Financial Assistance to MCs.—							
	(a)	LIC-aided projects	—	1987-88	1474.51			
	(i)	5th package						

## III A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Liability, if any, for 1992-93 and Beyond)

(Rs in lakhs)

Annual Plan, 1990-91	Annual Plan, 1991-92	Annual Plan 1992-93	Anticipated benefits (in units)	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anticipated Outlay	Approved Outlay	1992-93	
10	11	12	13	14
32.55	16.00	—	—	—
22.85	22.85	22.85	—	—
5.04	5.04	5.04	—	—
60.44	43.89	27.89	—	—
66.12	354.50	—	—	—

## ANNUAL PLAN 1992-93—PRO POSALS

A-2—Schemes completed during 1990-91/likely to be completed during 1991-92 (Spill over liability, if any)

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Schemes	Commence- ment year	Estimated Cost		Cumula- tive ex- penditure upto end of 7th Plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Secretariat Economic Services 110345100</b>								
101 P.M. 1-3 (i)		Consultancy and Technical Service (New Scheme)	..	—	—	13.50	—	—
<b>Census Survey &amp; Statistical 110345400</b>								
S.T. 1-3		Working Class Family Income and expenditure survey	..	—	—	0.11	—	—
<b>Urban Water Supply &amp; Sewerage</b>								
WS-1		Financial Assistance MCs—	..					
		(a) LIC-aided projects—						
		(i) 5th package	..	1987-88	1474.51	—	—	—
1	U.B. (C.-II)(PHC) (46.35 MW)	105280100 Hydro	..	1984	2084	9992	5871.00	15.45
		01 Malikpur						
		102						
2.	Rice Straw TPP Talkheri (1X10 MW)	Do Thermal	..	1987	2500	3630	1849.00	—
		Talkheri (Patiala)				13622	7720	—

## III-A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

for 1992-93 and Beyond)

Annual Plan, 1990-91	Annual Plan, 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units) 1992-93	Remarks (Specifically Environmental Measures/ Costs)
Actual Expenditure	Anticipated Expenditure	Proposed Outlay		
10	11	12	13	14
1.50	—	—	—	—
1.71	—	—	—	—
66.12	354.00	—	—	—
1788.00	500.00	400.00	—	—
510.00	500.00	400.00	—	—
2328.00	1000.00	800.00	—	—

ANNEXURE  
ANNUAL PLAN 1992-93—PROPOSALS

A.3 Critical on going schemes

Particulars	Code, No. Major Head/ Minor Head	Nature and Location of the scheme	Commencement year	Estimated cost		Cumulative expenditure upto end of 7th plan	Upto the end of 7th plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>101240100 Crop Husbandry</b>								
<b>Critical on-going schemes</b>								
<b>001 Direction &amp; Administration</b>								
A(P) 1.2	Strengthening & Reorganisation of Agriculture Extension & Administration	World Bank aided Project for providing latest agril. technology at the doorsteps of farmers in Amritsar, Hoshiarpur & Bathinda Districts	1987-88	1140.17	Under revision	432.67	—	—
Total Critical on-going Schemes				1140.17	—	432.67	—	—
<b>Sanctioned Schemes/Committed in 1991-92</b>								
A(P) 1.3	Scheme for staff at distt. level		1991-92	—	—	—	—	—
15.4				—	—	—	—	—
Total—001				1140.17	—	432.67	—	—
<b>002 Foodgrain Crops</b>								
A(P) 2.1	Integrated Programme for Rice Development (IPRD)-Sharing	Provision for incentives to paddy growers	1989-90	—	—	30.37	—	—
Total—002				—	—	30.37	—	—
<b>103 Seed</b>								
A(P) 3.2	Setting up/strengthening of seed testing labs.	Testing of seed samples. Location—Gurdaspur, Faridkot	1978-79	—	—	51.08	8000 Samples	8000 Samples
Total—103				—	—	51.08	8000 Samples	8000 Samples
<b>105 Manures and Fertilizers</b>								
*A(P) 4.1	Soil testing labs.	Testing of soil samples in the State	1979-80	—	—	393.46	10000 Samples	10000 Samples
A(P) 3.5	Scheme for diversification of crops and supply of necessary infrastructure and other inputs	—	1991-92	—	—	—	—	—
A(P) 4.5	Creation of input testing infrastructure in the State	Testing of fertiliser/ micronutrient samples in the State, Location Faridkot, Amritsar & Patiala	1977-78 & 1991-92	—	—	45.39	2000 Samples	2000 Samples
A(P)4.2,4.4				—	—	—	—	—
Total—105				—	—	438.85	12000 Samples	12000 Samples

\*District Plan Scheme

Note:— Figures in the denominator under Col, 1 indicate Old Scheme Nos,

## III A

## FOR SPILL-OVER AND ON GOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated benefits (In Units) 1992-93	Remarks (specifically environmental measures/costs)
Actual Expenditure	Anticipated Expenditure			
10	11	12	13	14
195.87	364.50	350.00		The project is likely to make favourable impact on agricultural development in the project area districts
195.87	364.50	350.00	—	—
—	0.10	40.00	—	—
195.87	364.60	390.00	—	—
47.50	77.91	140.00		Rice production will be increased
47.50	77.91	140.00	—	—
28.00(P)	17.85	38.00		Quality seed will be provided to farmers
28.00	17.85	38.00	—	—
18.55(P)	44.26	41.00		Soil testing facility will be provided to farmers for economic use of various inputs
—	—	—	—	—
12.00(P)	21.95	50.00		It will ensure good quality inputs to the farmers
30.55	66.21	91.00	—	—

## ANNUAL PLAN 1992-93 PROPOSALS

## A. 3 Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Scheme	Commencement year	Estimated Cost		Cumulative expenditure upto end of 7th plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>107 Plant Protection</b>								
*A(P) 5.3	Intensification of plant protection works	Supply of pesticides free of cost to the farmers to face epidemics	1969-70	—	—	203.79	—	—
A(P) 5.6	Establishment of pests & diseases surveillance service in Punjab	—	1991-92	—	—	—	—	—
A (P) 5.7	Control of pests on cotton (Sharing)	Supply of pesticides for cotton crop on concessional basis	1984-85	—	—	167.43	—	—
Total—107				—	—	371.22	—	—
<b>108 Commercial Crops</b>								
A(P) 6.3	Intensive Cotton Develop- ment Programme including aerial spray on Cotton (Sharing)	Incentive on cotton cultivation in the cotton belt of the State	1979-80	—	—	410.12	—	—
Total—108				—	—	410.12	—	—
<b>109 Extension and Training</b>								
A(P) 7.4	Study tour of farmers	—	1988-89	—	—	4.00	—	—
Total—109				—	—	4.00	—	—
<b>110 Crop Insurance</b>								
A (P) 8.1	Comprehensive Crop Insurance	To introduce crop insurance in the State		—	—	—	—	—
Total—110				—	—	—	—	—
<b>111 Agricultural Economics and Statistics</b>								
A(P) 9.4	Agricultural Census (Sharing)	To conduct agricul- tural census	1972-73	—	—	1.68	—	—
A(P) 9.5	Setting up of crop cutting machinery for block level estimates	To increase the no. of crop cutting experi- ments for block level estimates	..	—	—	—	—	—
Total—111				—	—	1.68	—	—
<b>112 Development of Pulses</b>								
A (P) 10.1	National Pulses Develop- ment Project (Sharing)	To provide incen- tives for cultivation of pulses	1979-80	—	—	37.54	—	—
Total— 112				—	—	37.54	—	—

\*District Plan Scheme.

## III A

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Anticipated benefits (In Units)		Remarks (Specifically Environmental measures costs)
		Annual Plan 1992-93 Approved outlay	1992-93	
Actual Expenditure	Anti- cipated Expenditure			
10	11	12	13	14
20.00	20.00	25.00	Grain crops will be saved from on slaught of epidemics	—
—	—	—		—
—	—	—		—
20.00	20.00	25.00		—
6.87	92.71	132.50	Cotton production will be increased	—
6.87	92.71	132.50		—
3.00	3.00	3.00	Farmers' outlook will be broadened	—
3.00	3.00	3.00		—
—	—	0.10		—
—	—	0.10		—
0.40	0.40	0.40		—
—	—	4.00	Estimates regarding production and yield of various crops will be more reliable	—
0.40	0.40	4.40		—
3.49	9.66	10.29	To popularise cultivation of pulse crops in the State	—
3.49	9.66	10.29		—



## ANNUAL PLAN 1992-93 PROPOSALS

## A. 3 Critical on going schemes

Particulars	Code No.	Major Head/ Minor Head	Nature and Location of the scheme	Commencement year	Estimated Cost		Cumulative ex- penditure upto end of 7th plan	Upto the end of 7th Plan	
					Original	Revised		Capacity Creation	Utilisation
1	2		3	4	5	6	7	8	9
<b>113 Agricultural Engineering</b>									
A(P)11-4	(a)	Scheme for the extention and administration of agri- cultural engineering	—	1991-92	—	—	—	—	—
	(b)	Estt. of Development Centre for improving the efficiency of agricultural machinery	—	1991-92	—	—	—	—	—
A(P)11-6		Scheme for the establishment and strengthening of farmer's Agro Service Centres (Sharing)	—	—	—	—	—	—	—
A(P)11-7		Scheme for the populariza- tion of improved agricultural equipments in Punjab (Sharing)	—	—	—	—	—	—	—
A(P)11-5			—	—	—	—	—	—	—
Total—113									
<b>114 Development of Oilseeds</b>									
A(P) 12-1		Oilseeds Production Programme (Sharing)	To provide incen- tives for oilseeds cultivation in the State	1979-80	—	—	83.57	—	—
Total—114									
<b>115 Small and Marginal Farmers</b>									
*A(P) 13-1		Assistance to small/marginal farmers on IRD pattern							
	(i)	Agriculture Department	To assist farmers for installation of shallow tubewells and provision of seed minikits	1983-84	—	—	543.48	—	—
	(ii)	Soil Conservation Deptt.	To facilitate land development works	—	—	—	58.87	—	—
Total—115									
<b>119 Horticulture and Vegetable Crops</b>									
*A(P) 14-3		Development of horticulture in the State including develop- ment of horticulture in border areas for the rehabilitation of misguided youth	Incentives for fruit cultivation in the State	1980	—	—	189.55	—	—
A(P)14-4		Control of insects, pest, and diseases	—	1991-92	—	—	—	—	—
*A(P) 14-5		Production and multiplication of vegetable seed and develop- ment of vegetables in the State including development of vegetables for the welfare of Rai Sikhs of Ferozepur district	Incentives to vege- table growers in the State	1981	—	—	88.93	—	—
*A(P) 14-6		Demonstration-cum-fruit pre- servation labs. and community canning centres	To educate fruit growers in the latest techniques of fruit preservation	1980	—	—	73.45	—	—

\*District Plan Scheme

in A

## FOR SPILL-OVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated benefits (In Units)		Remarks (Specifically Environmental measures/ Costs)
			Actual Expenditure	Anticipated Expenditure	
10	11	12	13	14	
—	—	—	—	—	—
—	—	—	—	—	—
—	0.10	—	—	—	—
—	5.40	—	—	—	—
—	5.60	—	—	—	—
36.44	56.22	67.13	Cultivation of oilseeds will be encouraged		
36.44	56.22	67.13	—	—	—
121.95(P)	135.00	135.00	To provide assistance to the farmers for installation of tubewells, oilseeds/pulses minikits at negligible rate		
—	15.00	—	—	—	—
121.95	150.00	135.00	—	—	—
53.52(P)	101.00	130.00	Cultivation of fruit crops will be encouraged in the State		
—	0.63	—	—	—	—
27.99(P)	33.00	38.00	Cultivation of vegetables will be encouraged in the State		
11.85(P)	15.00	17.00	Fruit preservation will be made scientific.		

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 . Critical on going schemes

Particulars	Code No./Major Head/ Minor Head	Nature and location of the scheme	Commen- cement year	Estimated Cost		Upto the end of 7th Plan		
				Original	Revised	Cumula- tive Ex- penditure upto end of 7th plan	Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
A (P) 14-3	Setting up Information and Training Centres at Zonal level	To impart know how to the potential fruit and vegetable grow- ers to develop interest in this occupation	1986	—	—	11.42	—	—
A(P) 14-9	Scheme for the reorganisation of Department of Horticulture	—	1991-92	—	—	—	—	—
*A(P) 14-10	Scheme for the development of of rainfed horticulture in Pathankot tehsil of Gurdas- pur district	To promote rainfed horticulture in Pathankot Tehsil	1991-92	—	—	—	—	—
A(P) 14-11	Market intervention scheme for fruits	To meet losses in promotion of marketing of fruits.	1991-92	—	—	—	—	—
Total—119				—	—	363.35	—	—
<b>190 Investment in Public Sector and other Undertakings</b>								
A(P) 16-1	Share Capital to Punjab State Seeds Corporation.	—	1975-76	—	—	370.00	—	—
A(P) 16-2	Share Capital to Punjab Agro Industries Corporation	—	1966-67	—	—	3071.62	—	—
A(P) 16-3	Share Capital to Regional Rural Banks	—	—	—	—	26.25**	—	—
Total—190				—	—	3467.87	—	—
<b>800- Other Expenditure</b>								
*A(P) 15-2	Bee-keeping	Incentives for popula- rization of bee-keep- ing occupation	1981-82	—	—	31.43	—	—
A(P) 15-3	Establishment of Remote Sensing Application Centre in Punjab	Grant in aid to Re- mote Sensing Centre Ludhiana	1987-88	—	—	93.54	—	—
Total—800				—	—	124.97	—	—
Total—Crop Husbandry					1140.17	—	6419.64	20000 or 20000

\*District Plan Scheme

\*\*Expenditure pertains to 7th Plan period only

## III A

## FOR SPILL-OVER AND ON GOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Anticipated benefits (In Units)		Remarks (Specifically Environmental measures Costs)
		Annual Plan 1992-93 Approved Outlay	1992-93	
Actual Expenditure	Anti- cipated Expenditure			
10	11	12	13	14
2.98	4.00	4.00		Fruit Growers will be encouraged to undertake this occupation —
—	—	0.10	—	—
—	5.00	5.00		Horticulture will be developed in Gurdaspur district
—	96.82	50.00		To ensure remunerative market for fruits especially kinnow and grapes to encourage horticulture in the State. —
96.44	255.45	264.10	—	—
—	0.10	50.00		Improved seed will be made available to farmers which will increase the production. —
1452.75	0.10	1000.00		Development of agro based industry will be a boost to agriculture in the State. —
—	11.15	7.50	—	—
1452.75	11.35	1057.50	—	—
18.68(P)	20.15	30.00		Self employment bee-keeping units will be encouraged to supplement the income of beneficiaries —
100.00	100.00	100.00		Remote sensing technology will be strengthened which will provide vital information for agriculture sector. —
118.68(P)	120.15	130.00	—	—
2161.94	1251.11	2488.02	—	—

Particulars	Code No./Major Head/ Minor Head	Nature and Location of the scheme	Commencement year	Estimated cost		Cumulative ex- penditure upto end of 7th plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>101 2408 00 Food Storage and Warehousing</b>								
<b>02 Storage and Warehousing :</b>								
A(P) 17.3	Construction and operation of Warehousing (Sharing basis-CWC)	Share capital to PSWC to meet 50% State Share	—	—	—	400.00 (50% share in autho- rised capital)	14.15 (Lakhs MTS.)	13.2
101 2408 00 Total—02			—	—	—	400.00	14.15	13.2
<b>1 01 2515 00 Agricultural Research and Education</b>								
A(P) 18.1 Punjab Agricultural University, Ludhiana								
(i)	Crop Husbandry	Grant-in-aid to PAU for the continuation of crop husbandry & animal husbandry research in the State	—	—	—	1480.83	—	—
(ii)	Animal Husbandry		—	—	—	469.42	—	—
Total—101 2515 00			—	—	—	1950.25	—	—
<b>101 2416 00 Agricultural Financial Institutions :</b>								
A(P) 19.1 Support to Ordinary and Special debentures—								
(i)	Agriculture Department	To continue Debenture Oriented Programme of agriculture credit in the State	1967-68	—	—	421.33	—	—
(ii)	Soil Conservation Department		1967-68	—	—	241.70	—	—
A(P) 19.2	Purchase of debentures of SCLMB for the purchase of tractors and agricultural implements	"	1974-75	—	—	2154.71	—	—
A(P) 19.3	ARC scheme for the reclamation of alkaline soils	"	1980-81	—	—	4.20	—	—
A(P) 19.4	Grant of loans for fruit plantation-debenture support to Horticulture	"	1981-82	—	—	94.67	—	—
A(P) 19.5	Gobar Gas Plants—debenture support	"	—	—	—	—	—	—
A(P) 19.6	Dairy Development	"	1980-81	—	—	563.43	—	—
A(P) 19.7	Poultry, Piggery, Sheep Breeding, Cattle feed Processing units and camel carts etc.	"	1983-81	—	—	177.60	—	—
A(P) 19.8	Fish Culture	"	1985-86	—	—	18.00	—	—
A(P) 19.9	Farm Forestry	"	1984-85	—	—	22.00	—	—
Total— 101 2416 00			—	—	—	3697.74	—	—

## III A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved outlay	Anticipated benefits (In units) 1992-93	Remarks (Specifically Environmental Measures/ Costs)
Actual Expenditure	Anti- cipated Expenditure			
10	11	12	13	14
—	—	0.10		To provide storage for agricultural produce in the State
—	—	0.10	—	—
221.73	400.00	550.00		Research & Development support will be provided for agriculture and animal husbandry sector
94.68	127.57	250.00		
316.41	527.57	800.00	—	—
125.00	145.00	125.00	—	—
25.00	27.00	42.00	—	—
125.00	200.00	250.00	—	—
—	2.00	—	—	—
22.50	20.00	25.00	—	—
—	—	2.50	—	—
100.00	115.00	130.00	—	—
40.00	30.00	45.00	—	—
14.00	9.00	7.50	—	—
2.50	2.00	5.00	—	—
454.00	550.00	632.00	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 Critical ongoing schemes

Particulars	Code No./Major Head/ Minor Head	Nature and Location of the Scheme	Commencement Year	Estimated Cost		Cumulative expenditure upto the end of 7th plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>101 2435 00 Other Agricultural Programmes</b>								
<b>01 Marketing and Quality Control</b>								
<b>102 Grading and Quality Control facilities :</b>								
A(P) 20.1	Grading of foodgrains and oilseeds in regulated markets	To provide staff for grading of foodgrains/oilseeds in regulated markets	1967-68	—	—	59.10	—	—
A(P) 20.2	Scheme for setting up of Agricultural Marketing Intelligence and Analysis Wing	To identify marketing problems in agriculture sector	1991-92	—	—	—	—	—
Total 101 2435 00				—	—	59.10	—	—
Grand Total Agriculture				1140.17	—	12526.73	20000	20000
<b>Sanctioned/Committed Schemes as on 31st March, 1992</b>								
<b>101 240200 Soil and Water Conservation</b>								
<b>001—Direction and Administration</b>								
- SC (A) 1.1	Strengthening of Soil Conservation Organisation	Throughout the State	1990-91	—	—	—	—	—
Total-001				—	—	—	—	—
<b>101—Soil Survey and Testing</b>								
SC (A) 2.1	Soil Survey in the State	Throughout the State	1974-75	—	—	119.05	—	—
Total—101				—	—	119.05	—	—
<b>102—Soil Conservation</b>								
SC (A) 3.1	Soil and Water Conservation on Watershed basis in Kandi non-project areas	Kandi Area only	1974-75	—	—	540.20	21000 (Hects)	11711 (Hects)
SC (A) 3.2	Soil and Water Conservation Programme in other areas of the State	Throughout the State except Kandi Tract	1974-75	—	—	381.09	60000 (Hects)	50811 (Hects)
*SC (A) 3.3	Pilot Demonstration Soil Conservation-cum-Development Project in Kandi Tract on Sukhomajri Pattern	Kandi Area only	1983-84	—	—	131.53	500 (Hects)	644 (Hects)
*SC (A) 3.4	Water harvesting technology in ecologically handicapped areas	Throughout the State	1985-86	—	—	79.16	1000 (Hects)	741 (Hects)
SC (A) 3.5	National Watershed Development Programme for Rainfed Agriculture	Kandi Area	1986	—	—	32.44	3200 (Hects)	2457 (Hects)
*SC (A) 3.6	Scheme for removal of sand from the agricultural land damaged during floods 1988	Throughout the State	1989-90	—	—	30.29	10000 (Hects)	160 (Hects)
Total—102				—	—	1194.71	95700 (Hects)	66524 (Hects)

\*District Plan Schemes.

## III—A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
10	11	12	13	14
6.43	7.98	9.50	—	—
—	5.00	5.70	—	—
6.43	12.98	15.20	—	—
2938.78	2341.66	3935.32	—	—
—	3.50	5.00	—	—
—	3.50	5.00	—	—
1.17	2.70	18.00	—	—
1.17	2.70	18.00	—	—
173.38	195.00	300.00	3060 (Hects)	—
204.75	245.00	300.00	14700 (Hects)	—
145.78	100.00	100.00	540 (Hects)	—
63.00	75.00	75.00	500 (Hects)	—
—	—	—	—	—
27.72	0.10	—	—	—
614.63	615.10	775.00	18800 (Hects)	—



ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 Critical ongoing Schemes

Particulars	Code No./ Major Head/ Minor Head	Nature and Lo-ca tion of the Scheme	Commen- cement year	Estimated Cost		Cumulative expendi- ture upto end of 7th Plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>103—Land Reclamation Development :</b>								
*SC(A) 4.1	'Reclamation of Alkali Soils (Sharing basis)	Throughout the State	—	—	—	1094.32	—	—
*SC (A) 4.2	'Reclamation of Kallar Lands in Punjab	Throughout the State	—	—	—	372.29	—	—
Total : 103			—	—	—	1466.61	—	—
<b>109 Extension and Training :</b>								
SC(A)5.1	Training, Research and Demonstration	Throughout the State	1970-71	—	—	18.75	—	—
Total : 109				—	—	18.75	—	—
<b>800—Other Expenditure :</b>								
SC(A)6.1	Provision for machinery division at the Headquarter	Headquarter	1990-91	—	—	—	—	—
Total : 800				—	—	—	—	—
Total : 101 240200				—	—	**2799.12	95700 (Hects)	66524 (Hects)
<b>Animal Husbandry 101 2403 00</b>								
<b>109—Extension/Training</b>								
AH 1.1	Providing facilities for inservices, higher education & extension and Publicity services	P.A.U., Ludhiana	1987-88	—	—	31.35	—	—
Total : 109			..	—	—	31.35	—	—
<b>001—Direction and Administration :</b>								
AH 2.1	Strengthening of offices of DAHO/PO/ICDP.	Entire State	1985-86	—	—	1.75	—	—
Total : 001			..	—	—	1.75	—	—

\*District Plan Schemes

\*\*Expenditure figures relate to 7th Plan period only.

III—A  
FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits 1992-93	(in units)	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anticipated Expendi- ture	Approved Outlay			
10	11	12	13		14
212.45	300.00	125.00	19112 (Hects)	}	—
179.97	190.00	200.00			—
392.42	490.00	325.00	19112 (Hects)		—
—	—	—	—		—
—	—	—	—		—
18.00	41.70	45.00	—		—
18.00	41.70	45.00	—		—
1026.22	1153.00	1168.00	37912 (Hects)		—
5.88	1.50	12.20	12 trainees	}	—
			To provide extension and publicity services for development of livestock of the state.		—
5.88	1.50	12.20	—		—
—	—	—	—		—
—	—	—	—		—

A 3 Critical on going

Particulars	Code No./ Major head/ Minor Head	Nature and Lo- cation of the scheme	Commen- encement year	Estimated cost		Cumulative Expendi- ture up to end of 7th plan	Up to the end of seventh plan	
				Original	Revised		Capacity Creation	Utili- station
1	2	3	4	5	6	7	8	9
<b>101 Veterinary Services &amp; Animal Health :</b>								
*AH 3.1	Providing of efficient vety. services							
	(i) Opening of new modern vety. Hospitals Dispensaries, Setting up of Private vety. clinics. and upgradation of existing vety. disp. into vety. hospitals	} Entire State	1988-89	—	—	262.19	—	—
A.H 3.3	Establishment of state Animal Health Institute disease diagnosis/ Production of Vaccine against newly emerging livestock/Poultry diseases and setting up of Mobile Animal Health Care Units at distt. and Sub-division level	Entire State	1991-92	—	—	—	—	—
AH 3.7	CSS-Foot & Mouth diseases control programme, prophylactic vaccination in cattle and buf- faloe against F.M.D.	Entire State	1975-76	—	—	90.77	—	—
*AH 3.8	Providing Specialised multi- disciplinary vety. services, set- ting up of vety. Poly-clinics at distt. level	do	1981-82	—	—	220.09	—	—
*AH 3.12	Modernisation of old/existing vety. hospitals by providing latest tools/appliances & diag- nostic aids and providing of residential accommodation to vety. personnel serving in rural areas	Entire State	1989-90	—	—	8.89	—	—
*AH 3.15	Aid to Zila Parishad & Pan- chayat Samitis Vety. hospitals & dispensaries	Selected districts	1989-90	—	—	—	—	—
AH 3.18	Providing of cold chain for preservation of vaccine and medicines for control of con- tagious diseases	Entire State	1991-92	—	—	—	—	—
Total : 101		—	—	—	—	581.94	—	—

III A.  
FOR SPILL OVER AND ON GOING PROGRAMMES PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units)	Remarks (specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expen- diture	Approved outlay	1992-93	
10	11	12	13	14
183.09	55.84	130.00	5 new Hospitals/setting up of 10 private vety, clinics	—
			and 60 disps. to be upgraded	—
—	43.21	100.00	To provide better animal health services in the state	—
21.00	30.00	45.00	To provide vaccine in the state.	—
139.40	136.35	91.50	To provide specialised veterinary services	—
89.61	138.46	100.00	To provide accomodation to the vety. staff in rural areas and to provide more medicines	—
97.00	102.00	107.68	Grant-in-aid to Zila Parishad and Panchayat Samitis for vety. hospitals & dispensaries.	—
—	5.00	—	—	—
530.10	510.86	574.18	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS

A 3. Critical on ongoing Schemes

Particulars	Code No./ Major Head/ Minor Head	Nature and lo- cation of the Scheme	Commenc- ment year	Estimated cost		Cummulative expendi- ture upto end of 7th Plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utiliti- sation
1	2	3	4	5	6	7	8	9
<b>102— Cattle and Buffaloe Develop- ment :</b>								
*AH 4.1	CSS-Assistance to small/mar- ginal farmers & agricultural labourers for rearing of cross bred heifers/setting up of poul- try, piggery and Sheep units	Entire State	1975-76	—	—	109.33	—	—
AH 4.3	Modernisation & expansion of existing Semen Banks-cum- Bull Station & setting up of new Semen Banks/ Strengthening of frozen semen production and purchase of high genetic germ plasm	Entire State	1980-81	—	—	418.95	—	—
AH 4.11	CSS—Extension of frozen semen facilities and production and supply of bulls, Herd book registration of elite animals/progeny testing programme-modernisation of farms, Embryo transfer technology and stg. of Bull Mother Farms	Entire State.	1990-91	—	—	—	—	—
Total : 102				—	—	528.28	—	—
<b>103—Poultry Development</b>								
AH 5.1	Strengthening/modernisation of state poultry farms/Estt. of Poultry disease diagnostic & feed analytical labs and provid- ing of poultry extension services in the state	Selected Distt.	1987-88	—	—	143.21	—	—
AH 5.2	Share capital contribution to Punjab Poultry Development Corporation	Entire State.	—	—	—	279.00	—	—
Total : 103				—	—	422.21	—	—
<b>104—Sheep &amp; Wool Development</b>								
AH 6.2	CSS—Estt. of Sheep Breeding Farm for fat lamb production and providing intensive health cover in field	Entire State	1980-81	—	—	46.36	—	—
Total : 104				—	—	46.36	—	—
<b>105—Piggery Development</b>								
AH 7.2	CSS—Estt. of hybrid pig breeding farm for production of fatten- ing stock and modernisation for existing pig farms	Entire State	1991-92	—	—	—	—	—
Total : 105				—	—	—	—	—

## III— A.3

## FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expen- diture			
10	11	12	13	14
79.73	44.04	56.17		To provide subsidy to the weaker section of the society for rearing of heifers & to set up the Poultry, Piggery and Sheep units
166.59	249.05	270.00		6 Existing L.N. Gas Plants to be replaced in phased manner one new LN Gas plant of 10 Litre capacity to be setup
3.00	11.20	100.00		To increase milk production through exotic breed
249.32	304.29	426.17		
45.11	57.55	92.85		Strengthening of all the five existing poultry farms and providing poultry extension services in the field.
50.00	0.10	30.50		To strengthen the equity base of Corporation.
95.11	57.65	123.35		
8.15	23.54	17.77		
8.15	23.54	17.77		
—	7.00	10.40		
—	7.00	10.40		

## ANNUAL PLAN 1992-93 PROPOSALS

## A.3 Critical on going Schemes

Particulars	Code No. Major Head Minor Head	Nature and Location of the Scheme	Commencement year	Estimated cost		Cumulative expenditure upto end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>106—Other Livestock Development :</b>								
AH 8.1	Strengthening of Polytechnic for Animal Husbandry & Agriculture training	Patiala Polytechnic	1979-80	—	—	32.78	—	—
*AH 8.5	Modernisation of slaughter houses in Punjab	Patiala, Sangrur, Bathinda, Ferozepur Nawanshehar Banga, Pathankot, & Gurdaspur	1990-91	—	—	—	—	—
Total : 106				—	—	32.78	—	—
<b>107—Feed &amp; Fodder Development :</b>								
*AH 9.4	CSS—Production & distribution of quality fodder seeds/providing technical extension services in the field	Entire State	1975-76	—	—	250.80	—	—
Total : 107				—	—	250.80	—	—
<b>113—Administrative Investigation and Statistics</b>								
AH 10.3	CSS—Sample survey—estimation of production of milk, eggs, wool and meat & livestock Census	Entire State	1984-85	—	—	3.43	—	—
AH 10.5	Strengthening of statistical wing of Animal Husbandry deptt. for collection, processing and analysing data relating to livestock/livestock products	Entire State	1991-92	—	—	44.10	—	—
AH 10.7	Scheme for staff Component of district plan schemes	Entire State	1991-92	—	—	—	—	—
AH 10.8	Action plan for providing gainful self-employment to educated unemployed youth in the state under Economic Package Programme G.O.I.	Entire State	1990-91	—	—	—	—	—
Total : 113				—	—	47.53	—	—
Grand Total				—	—	—	—	—

## III

## FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in Units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expend.	Anticipated Expenditure			
10	11	12	13	14
6.90	5.14	8.50	—	—
10.00	10.00	—	—	—
16.90	15.14	8.50	—	—
10.91	11.00	25.82	—	—
10.91	11.00	25.82	—	—
0.35	0.08	2.76	—	—
7.42	7.62	3.15	—	—
—	31.29	92.50	—	—
379.38	—	—		To provide gainful employment to educated unemployed youth
387.15	38.99	98.41	—	—
1303.52	969.97	1296.80	—	—



Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commen- cement year	Estimated cost		Cumulative Expendi- ture up- to end of 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Dairy Development 10 12404 00</b>								
DM 1.1	Strengthening of H.Q. and District Dairy Development offices	Entire State	—	—	—	3.60	—	—
*DM 2.1	Scheme for providing self employment to rural un-employed educated youth, rehabilitation of ex-servicemen and widows by introducing scientific commercialised milk production	Entire State	—	—	—	130.47	—	—
*DM 3.1	Scheme for extension, training and education in improved methods of dairying to milk producers	Entire State	—	—	—	57.00	—	—
Total			—	—	—	191.07	—	—
<b>191 Assistance to Co-operative and Other Bodies</b>								
DM 4.1	Share capital contribution to Primary Co-operative Milk Societies, Unions and Milk Federation	Entire State	—	—	—	265.00	—	—
191 : Total			—	—	—	265.00	—	—
<b>800 Others</b>								
DM 5.1	Estt. of Govt. laboratory at Ludhiana	Ludhiana	1991-92	—	—	—	—	—
DM 5.4	Technology Mission in Dairy Development	Entire State	1991-92	—	—	—	—	—
DM 5.5	Scheme for staff component of district plan schemes	Entire State	1991-92	—	—	—	—	—
DM 5.6	Providing gainful employment to educated unemployed youth of the state under Economic Package Programme G.O.I.	Entire State	1990-91	—	—	—	—	—
Total 800			—	—	—	—	—	—
Grand Total 101240400			—	—	—	—	—	—

\*District Plan Schemes

## III-A

## FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (in units) 1992-93	Remarks (Specifically environmental Measures/Costs)
Actual Expd.	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
—	—	—		
46.16	60.50	130.00	To give the technical know-how to 2,000 candidates for setting-up of equal number of dairy units in 1992-93	—
12.80	17.00	13.00	To give training to 16,800 dairy farmers in 1992-83	—
58.96	77.50	143.00		—
250.00	350.00	420.00		—
250.00	350.00	420.00		—
—	5.00	—		—
—	—	—		—
—	0.15	5.00	Staff Scheme	
290.07	—	—		To provide gainful Employment to Educated unemployed youth
290.07	5.15	5.00		—
599.03	432.65	568.00		—

## ANNUAL PLAN 1992-93—PROPOSALS

## A. 3 Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the scheme	Commen- cement year	Estimated cost		Cumu- lative Expenditure upto end of 7th plan	Up to the end of 7th plan	
				Original	Revised		Capacity Creation	Utili- station
1	2	3	4	5	6	7	8	9
<b>Fisheries</b>		<b>101 2405 00</b>						
<b>FH 1.1</b>	Strengthening of staff at head- quarter and in sub-offices and strengthening of economic and statistical wing in Fisheries Department	Entire State	—	—	—	23.74	—	—
<b>*FH 2.1</b>	Estt. of new fish seed farms/ completion and modernisation of existing fish seed farms		—	—	—	101.26	—	—
<b>FH 2.5</b>	Scheme for the establishment of two-10 hectares fish seed hatcheries	Patiala and Jalandhar	—	—	—	98.18	—	—
<b>*FH 2.6</b>	Scheme for promotion of fish culture by providing assistance to private/Coop.sectors and rehabilitation of ex-servicemen	Entire State	—	—	—	—	—	—
<b>*FH 2.7</b>	Assistance to Fish Farmers Development Agencies in the state	Entire State	1991-92	—	—	139.12	—	—
<b>FH 4.2</b>	Training of Fisheries Personnel	Entire State	—	—	—	3.76	—	—
<b>FH 4.3</b>	Scheme for setting up fisheries extension units in the state	Entire State	1991-92	—	—	—	—	—
<b>FH 5.1</b>	Scheme for staff component of district plan schemes	Entire State	1991-92	—	—	—	—	—
<b>FH 5.2</b>	Providing gainful self employment under economic package programme G.O.I.	Entire State	1990-91	—	—	—	—	—
Total 101 2405 00				—	—	—	—	—
<b>10 12406 00 FORESTRY AND WILD LIFE</b>								
01—FORESTRY								
070—Communication and Buildings								
<b>Ft. 1.2*</b>	Construction of buildings	Entire State	1969-70	—	—	60.50	—	—
Total—070				—	—	60.50	—	—

District Plan.

## III-A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
0.50	2.40	5.00	Staff scheme	—
70.00	78.20	80.00	To set up four new fish seed farms in the district namely Ferozepur, Faridkot, Bathinda and Sangrur.	—
25.00	5.75	8.00	Staff scheme	—
6.00	19.76	—	Merged with F.F.D.A. FH 2.7	—
65.00	40.00	141.00	(i) To develop brackish land into fish culture (25 hect.)  (ii) To set up an Integrated Project of Fish harvesting, domestic market alongwith deboning filleting & processing fish plant  (iii) Development of fisheries in 50 village ponds	—
1.47	2.00	1.00	Training to fisheries personnel of the state	—
0.50	—	10.00	To give better extension services to fisheries owners at their pond site.	—
—	36.80	52.00	Staff scheme	—
61.00	—	—	To provide gainful employment to unemployed educated youth	—
229.47	184.91	297.00		
*District Plan Schemes				
8.00	10.00	10.00	—	—
8.00	10.00	10.00	—	—

ANNEUXRE  
ANNUAL PLAN 1992-93—PROPOSALS  
A 3.—Critical ongoing Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commencement year	Estimated cost		Cumulative Expendi- ture upto the end of 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity creation	Utili- sation
1	2	3	4	5	6	7	8	9
Ft. 2.1	Development of infrastructure for the protection of forests (CSS—State share)	Entire State	1989-90	—	—	10.37	—	—
Ft. 2.2	Fuel wood and fodder project (CSS—State share)	Entire State	1985-86	—	—	656.15	—	—
Ft. 2.3*	Raising of forest plantation in Government land	Entire State	1985-86	—	—	1158.43	—	—
Ft. 2.4*	Farm forestry	Entire State	1969-70	—	—	830.40	—	—
Ft. 2.5*	Regeneration/afforestation /treatment/reclamation of forest areas	District Hoshiarpur	1991-92	—	—	—	—	—
	Total—102			—	—	2655.35	—	—
	<b>109—Extension and Training</b>							
Ft. 3.1	Extension, training and education in the State	Entire State	1969-70	—	—	28.83	—	—
	Total—109			—	—	28.83	—	—
	<b>800—Other Expenditure</b>							
Ft. 4.1	Demarcation and settlement of forest areas	Entire State	1985-86	—	—	10.09	—	—
Ft. 4.4	Forest Research	Entire State	1969-70	—	—	82.09	—	—
	Total—800			—	—	92.18	—	—
	<b>02—Environmental Forestry and Wild life</b>							
	<b>110—Wild Life Preservation</b>							
Ft. 5.2	Wild life education and interpretation programme (CSS—State share)	Entire State	1988-89	—	—	2.24	—	—
Ft. 5.3	Control of poaching and illegal trade in wild life (CSS—State share)	Entire State	1988-89	—	—	1.55	—	—
Ft. 5.4	Establishment of Tiger Safari at Ludhiana	District Ludhiana	1988-89	—	—	29.00	—	—
Ft. 5.5	Assistance for the development of selected Zoos (CSS—State share)	Entire State	1988-89	—	—	2.25	—	—
	Total—110			—	—	35.04	—	—
	Grand Total—101240600			—	—	2871.90	—	—

\*District Plan

## III, -A

## FOR SPILLOVER AND ON GOING PROGRAMME/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (specifically Environmental measurements/Costs)
Actual Expd.	Anticipated Expendi- diture			
10	11	12	13	14
12.50	12.00	15.00	—	—
145.00	181.30	150.00	2570 (Hect.)	—
316.51	330.00	381.00	2500 (Hect.)	—
75.65	60.00	70.00	45 (Lakh Saplings)	—
—	74.00	150.00	1550 (Hect.)	—
549.66	657.30	766.00	—	—
—	—	2.00	—	—
—	—	2.00	—	—
—	4.00	5.00	—	—
13.90	18.00	14.00	—	—
13.90	22.00	19.00	—	—
0.86	—	—	—	—
1.23	3.00	3.00	—	—
12.41	15.00	10.00	—	—
1.97	2.00	2.00	—	—
16.47	20.00	15.00	—	—
588.03	709.30	812.00	—	—

## ANNUAL PLAN 1992-93 PROPOSALS

## A.3 Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commen- cement year	Estimated Cost		Cumu- lative expendi- ture upto end of 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Sanctioned/Committed Schemes as on 31-3-1992</b>								
<b>101 2425 00—CO-OPERATION</b>								
<b>001—Direction and Administration :</b>								
C.N. 1.1	Additional Departmental Staff	—	1978-79	—	—	989.38	—	—
	Total 001	..		—	—	989.38	—	—
<b>003—Training :</b>								
C.N. 2.1	Training of Co-operative Subor- dinate Personnel	Nabha (Patiala)	—	—	—	5.37**	—	—
	Total 003	..		—	—	5.37	—	—
<b>004—Research and Evaluation :</b>								
C.N. 3.1	Assistance to Punjab Co-operative Union for research and case studies	Headquarter	1984-85	—	—	6.98	—	—
	Total 004	..		—	—	6.98	—	—
<b>101 Audit of Co-operatives</b>								
C.N. 4.1	Staff for audit of Co-operative Societies in the State	—	—	—	—	149.42**	—	—
	Total—101			—	—	149.42	—	—
<b>107 Assistance to Credit Co-operatives :</b>								
C.N. 5.1	Share capital contribution to Apex, Central and Primary Credit Institutions and Societies	Throughout the State	1984-85	—	—	890.27	—	—
C.N. 5.2	Assistance to Central Co-operative Banks/Primary Agricultural Service Societies as bad debt reserves and for consumption loan (Risk Fund)	"	1979-80 and 1984-85	—	—	135.88	—	—
C.N. 5.3	Loan Assistance to Co-operative Societies/Credit Institutions in the Co-operatively under developed States and special areas for non-over due cover	"	1985-86	—	—	1215.00	—	—
C.N. 5.5	Assistance to Punjab State Cooperative Agricultural De- velopment Bank Ltd. to streng- then the Credit Rehabilitation Fund	Headquarter	1990-91	—	—	—	—	—
C.N. 5.6	Investment in share capital of the Punjab State Co-operative Agri- cultural Development Bank Limited and Primary Agricultural Development Banks	Throughout the State	1990-91	—	—	—	—	—
	Total- 107			—	—	2241.15	—	—

\*\*Expenditure figures relate to 7th Plan period only.

**III.A.**  
**FOR SPILL OVER AND ON-GOING PROGRAMMES/PROJECTS**

as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan, 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in Units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expen- diture	Anticipated Expen- diture			
10	11	12	13	14
—	—	0.05	—	—
—	—	0.05	—	—
0.96	1.00	1.00	—	—
0.96	1.00	1.00	—	—
1.00	1.00	1.00	—	—
1.00	1.00	1.00	—	—
—	—	0.05	—	—
—	—	0.05	—	—
190.00	300.00	300.00	—	—
10.00	10.00	10.00	—	—
35.00	50.00	50.00	—	—
—	1.00	1.00	—	—
—	10.00	10.00	—	—
235.00	371.00	371.00	—	—



ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A 3 Critical on going

Particulars	Code No. Major head/ Minor Head	Nature and lo- cation of the schemes	Commen- cement year	Estimated cost		Cumulative expenditure up to end of 7th plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utili- station
1	2	3	4	5	6	7	8	9
<b>108— Assistance to other Co-operatives :</b>								
<b>Co-operative Processing :</b>								
C.N 6.1	Assistance to Markfed for setting up processing units	—	—	—	—	215.00**	—	—
C.N 6.2(a)	Share capital contribution for expansion/installation of Cooperative Sugar Mills and Non-Sugar Plants	—	1981-82	—	—	3984.00	24075 TCD	83%
C.N 6.2(b)	Assistance to the sugar mills under economic package	—	—	—	—	—	—	—
C.N 6.4	Assistance to Spinfed for expansion and setting up Spinning/ Ginning Units	—	1979-80	—	—	1840.62	6.01 lakh spindles	85.59%
C.N. 6.4(a)	Scheme for providing margin money assistance to Co-operative Spinning Mills	—	—	—	—	—	—	—
<b>Consumer Co-operatives :</b>								
C.N 6.8	Contribution to Share Capital of Central Consumer Stores and State Federation	—	1965-66	—	—	101.43	—	—
Total—108				—	—	6141.05	—	—
<b>109— Agriculture Credit Stabilisation Fund :</b>								
C.N 7.1	Assistance to Central Co-operative Banks for Agriculture Stabilisation Fund	Throughout the State	1979-80	—	—	268.03	—	—
C.N 7.2	Loan Assistance to Punjab State Co-operative Bank for Agricultural Stabilisation Fund	Headquarter	1987-88	—	—	123.00	—	—
Total 109				—	—	391.03	—	—
<b>190— Assistance to Public Sector and other Undertakings :</b>								
C.N 8.2	Assistance to Markfed for contribution as share capital in national level projects for production of inputs	—	1980-81	—	—	26.00	—	—
C.N 8.4	Assistance to State level Federation of Agricultural Processing Societies (Spinfed)	—	1979-80	—	—	40.00	—	—
Total 190				—	—	66.00	—	—
<b>277— Education</b>								
C.N 9.1	Assistance to Punjab Co-operative Union for Education, Training and Publicity	Throughout the State	1957-58	—	—	126.34	—	—
Total 277				—	—	126.34	—	—
Total—101 2425 00				—	—	10116.72	—	—

\*\*Expenditure figures relate to 7th plan period only.

## III A

## FOR SPILLOVER AND ONGOING PROGRAMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expen- diture	Anticipated Expenditure			
10	11	12	13	14
90.00	73.50	255.00	—	—
1000.00	1490.00	330.00	—	—
—	—	0.10	—	—
241.00	185.90	139.86	—	—
—	300.00	—	—	—
12.00	5.00	25.00	—	—
1343.00	2054.40	749.96	—	—
—	—	5.00	—	—
—	0.10	0.10	—	—
—	0.10	5.10	—	—
—	—	—	—	—
—	—	0.10	—	—
—	—	0.10	—	—
21.00	16.00	16.00	—	—
21.00	16.00	16.00	—	—
1600.96	2443.50	1144.26	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 Critical on going Schemes

Particulars	Code No. Major Head Minor Head	Nature and Lo- cation of the Scheme	Commen- ment— year	Estimated cost		Cumulative Expendi- ture upto the end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>10200000—Rural Development</b>								
<b>102250100—Special Programme for Rural Development</b>								
<b>01—Integrated Rural Develop- ment Programme (IRDP)</b>								
<b>100 (i) IRDP Main Programme</b>								
<b>001—Direction and Administra- tion</b>								
CD 1.1 (a)	Staff, for the Integrated Rural Development Programme at State Headquarters	State H. Q.	1980-81	—	—	44.57	—	—
CD 1.1 (b)	Monitoring cell at the State Headquarters under IRDP (CSS —State share)	State H. Q.	1982-83	—	—	16.21	—	—
Total-001				—	—	60.78	—	—
<b>003 Training</b>								
CD 1.2*	Expenditure on training under IRDP (State share)	Entire State	1980-81	—	—	507.94	—	—
Total-003				—	—	507.94	—	—
<b>101—Subsidy to District Rural Development Agencies :</b>								
CD 1.3*	Subsidy to Rural Development Agencies under Integrated Rural Dev. Programme (State share)	Entire State	1980-81	—	—	4063.48	—	—
Total-101				—	—	4063.48	—	—
<b>200 (ii) Allied Programme of IRDP</b>								
CD 1.4*	Scheme for strengthening ad- ministration—Block level (State share)	Entire State	1980-81	—	—	507.93	—	—
Total-200				—	—	507.93	—	—
<b>202</b>								
CD 1.5*	Development of Women & Children in Rural Areas (DWCRA) (State share)	Entire State	1985-86	—	—	57.01	—	—
Total-202				—	—	57.01	—	—

\*District Plan

Li A

## FOR SPILL OVER AND ON GOING PROGRAMMES/PROJECTS

as on 31st March 1992

(Rs in lakhs)				
Annual Plan 1990-91 Actual Expd.	Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in Units) 1992-93	Remarks specifically Environmental Measures/Costs
10	11	12	13	14
7.38	9.31	10.00	—	—
2.44	3.45	4.15	—	—
9.82	12.76	14.15	—	—
52.52	60.00	65.00	8000 (Trainees Nos.)	—
52.52	60.00	65.00	—	—
420.20	408.52	499.52	25000 (Beneficiaries —Nos.)	—
420.20	408.52	499.52	—	—
52.52	46.95	60.48	—	—
52.52	46.95	60.48	—	—
10.00	10.20	25.50	500 (Groups)	—
10.00	10.20	25.50	—	—

ANNUAL PLAN 1992-93 PROPOSALS  
A.3.— Critical ongoing

Particulars	Code— No. Major Head/Minor Head	Nature and Location of the Scheme	Commencement year	Estimated cost		Cumulative Expenditure	Upto the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>203—Training</b>								
CD 1·6*	Strengthening of training structure under TRY SEM (CSS-State share)	Entire State	1985-86	—	—	23·75	—	—
	Total—203	..		—	—	23·75	—	—
CD 1·8	Installation of Computers at State Headquarters (CCS-State share)	State H.Q.	1991-92	—	—	—	—	—
	Total	..		—	—	—	—	—
	Total—01	..		—	—	5220·89	—	—
<b>102250500</b>	<b>Rural Employment</b>							
01	National Programme *Jawahar Rozgar Yojna (20% State share)	Entire State	1989-90	—	—	321·73	—	—
	Total—01	..		—	—	321·73	—	—
<b>102251500</b>	<b>Other Rural Development Programmes (Including Community Development and Panchayats)</b>							
	<b>003 Training</b>							
CD 2·2	Training & study tour of Officials and non-officials	Entire State	1975-76 1991-92	—	—	4·21	—	—
CD 2·13								
CD 2·3*	Promotion and Strengthening of Mahila Mandals	Entire State	1975-76	—	—	77·60	—	—
CD 2·4*	Composite programme for women and pre-school children	Entire State	1974-75	—	—	83·96	—	—
	Total—003	..		—	—	165·77	—	—
	<b>101—Panchayati Raj</b>							
CD 2·5*	Financial assistance to Panchayati Raj Institutions for revenue earning schemes	Entire State	1957-58	—	—	767·25	—	—
CD 2·6*	Improvement of rural environment & infrastructure	Entire State	1973-74 1975-76 1979-80 1979-80 & 1991-92	—	—	5403·77	—	—
2·6, 2·7, 2·8 2·9, 2·14								
	Total—101	..		—	—	6171·02	—	—

\*District Plan

Note:—Figures in the denominator under Col. 1 indicate Old Scheme numbers

III—A  
FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS  
Schemes as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in units)	Remarks (Specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expenditure	Approved Outlay	1992-93	
10	11	12	13	14
2.53	4.90	8.50	—	—
2.53	4.90	8.50	—	—
—	—	0.90	—	—
—	—	0.90	—	—
547.59	543.33	674.05	—	—
328.89	493.91	400.00	33 (Lakh Mandays)	—
328.89	493.91	400.00	—	—
—	6.00	7.00	2 (Building Centres + 80 Members)	—
15.56	25.68	27.68	118 (M.Ms)	—
9.62	14.16	9.91	354 (Balwadis) 472 (Craft Centres)	—
25.18	45.84	44.59	—	—
52.64	100.00	120.00	40 (PRIs)	—
1876.51	2487.33	3220.69	—	—
1929.15	2587.33	3340.69	—	—

## ANNUAL PLAN 1992-93 PROPOSALS

## A 3 Critical on going Schemes

Particulars	Code No.		Nature and Location of the scheme	Commencement year	Estimated cost		Cumulative Expenditure up to end of 7th plan	Up to the end of Seventh Plan	
	Major head	Minor Head			Original	Revised		Capacity Creation	Utilisation
1	2		3	4	5	6	7	8	9
<b>800—Other Expenditure</b>									
CD 2.12	Issue of yellow cards for identification of weaker sections	..	Entire State.	1988-89	—	—	9.00	—	—
Total 800					—	—	9.00	—	—
Total (Community Dev. & Panchayats)					—	—	6345.79	—	—
Grand Total—Rural Development (IRDP, JRY and CD)					—	—	11888.41	—	—
<b>103000000 Special Area Programme</b>									
<b>257500 Other Special Area Programme</b>									
<b>02 Backward Area</b>									
Integrated Watershed Development Project (Hills) Pb.			World Bank Project to address one of the State's most serious environmental problem of ecological degradation through rainfed technology in Kandi tract of the State i.e. Ropar and Hoshiarpur districts and upper catchment	1-9-89	2356.55	—	487.11	—	—
101—	Forest				1330.31	—	297.64	—	—
102—	Soil Conservation				152.04	—	26.42	—	—
103—	Horticulture				646.15	—	108.00	—	—
105—	Animal Husbandry				228.05	—	42.85	—	—
106—	Agricultural Research (PAU)				152.04	—	27.64	—	—
107—	Water-shed Planning and Implementation Office (WPIO)				456.11	—	—	—	—
108—	Agriculture								
Total— Integrated Watershed Development Projects (Hills) Pb.					5321.25	—	989.66*	—	—

\*Rs. 605.66 lakhs from 1-4-88 to 31-8-89 and Rs. 384.00 lakhs w. e. f. 1-9-1989.

## III

## FOR SPILL OVER AND ON GOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anticipated Expenditure			
10	11	12	13	14
1.50	1.50	1.80	—	—
1.50	1.50	1.80	—	—
1955.83	2634.67	3387.08	—	—
2832.31	3671.91	4461.13	—	—
430.99	589.20	861.60	} Given in Chapter IV and Chapter XX	
84.32	105.84	238.02		
10.00	9.85	9.41		
20.96	20.30	38.87		
30.00	10.00	15.00		
15.69	25.00	19.45		
0.43	10.00	17.65		
592.39	770.19	1200.00		



Particulars	Code No. Major Head/ Minor Head	Nature and Location of the schemes	Commencement Year	Estimated Cost		Cumulative Expenditure upto end of 7th Plan	Upto the end of 7th Plan		
				Original	Revised		Capacity Creation	Utilisation	
1	2	3	4	5	6	7	8	9	
<b>IRRIGATION AND FLOOD CONTROL</b>		<b>1040000 00</b>							
<b>B.2 Critical on going schemes as on 31-3-92</b>									
<b>(a) Major Irrigation Schemes</b>		<b>1 042701 01</b>							
IR 1-1	Extension and improvement of Shah Nehar Canal System (including Kandi Canal)	Constg. Kandi Canal (Kandi Area of District Hoshiarpur)	1974-75	1053.00	9525.00	4679.18	16.76	2.00	
IR 1-4 Satluj Yamuna Link Canal :									
(i) Main Canal	4701	Carrier Channel for Haryana from Kirtpur to Haryana Border (121 Km.)	1983-84	45600.00 (1988)	52900.00 (8817.00) Pb. Share (8200.00)	6507.00 (Ph. Share)	—	—	
(ii) Providing Irrigation Facilities to Punjab Area	4701	9000Cs water from SYL for Irrigation in Patiala & Ropar Distt. of Punjab	1985-86	4812.00	14229.00	4162.58	—	—	
*IR 1-5	Extension of Non-Perennial Irrigation to Areas in UBDC Tract.	4701	Flow Irrigation in Distts. Amritsar, Gurdaspur	1950-51	590.38	1123.96	848.96	232.94	230.94
IR 1-6	Remodeling of Channels Utilisation of Surplus Ravi Beas Water	4701	Flow Irrigation in Ludhiana, Sangrur, Ferozepur, Faridkot and Patiala Distts.	1966-67	644.36	1904.64	1432.12	303.84	291.63
IR 1-7	Raising Lining of Bhakra Main Line Canal for providing free Board	4701	Flow Irrigation in Distt. Ropar and Patiala	1982-83	618.31	827.00 (82-15) Pb. Share)	19.52	—	—
<b>(b) Medium Irrigation Schemes</b>		<b>1042701 03</b>							
IR 1-16	Irrigation to Himachal Area below Talwara	To provide Irrigation to Himachal Area from Shah Nehar Barrage	1986-87	200.00	200.00	18.75	—	—	
IR 1-29	Constructing Super-Passage at RD-203780 Jalandhar Branch and 79700 of Bist Doab Canal (Nasrula Choe)	03 Super-Passage Distt. Jalandhar	1990-91	270.00	500.00	—	—	—	
<b>(c) General Schemes</b>		<b>104 2701 80</b>							
WD 1-25	Research Schemes	2701	DIPR Amritsar	Continuing nature	—	—	219.48	—	—
WD 1-26	Investigation of Schemes	2701	Investigation of Schemes in unirrigated Area	Continuing nature	—	—	626.10	—	—

\* District Level Schemes.

**III A**  
**FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS**  
 on 31-3-1992

(Rs. in lakhs)

Actual Expenditure 1990-91	Anti-cipated Expenditure 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (In thousand Hectares)	Remarks (Specifically Environmental Measures/Costs)
			1992-93	
10	11	12	13	14
719.48	1200.00	1200.00	1.500	—
626.00	300.00	200.00	—	—
186.00	200.00	150.00	—	—
40.05	100.00	100.00	0.010	Transferred to District Level
79.01	100.00	100.00	12.000	—
—	1.00	1.00	—	—
1.52	5.00	1.00	—	—
35.03	65.00	100.00	—	—
31.46	50.00	55.00	—	—
79.40	97.00	110.00	—	—

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commencement year	Estimated cost		Cumulative Expendi- ture up to end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>(d) Minor Irrigation Schemes</b>	<b>1 04270200</b>							
Surface water	01							
Irrigation Department								
MI(I)2.1 Lift Irr. Schemes in Anandpur Sahib and Ropar Block	Do	Lift Irr. in Distt. Ropar	88-89	32.39	106.22	2.52	—	—
MI(I)2.2 Constg. Mehma Minor from 0—14525 off-taking RD-8 3460/L Kasubegu Distty.	Do	Flow Scheme Ferozepur	1988	11.64	25.30	13.31	—	—
MI(I)2.10 Constg N/L Ablu minor	Do	Flow Scheme in Distt. Faridkot & Bhatinda	1979	35.21	116.45	17.52	—	—
MI(I)2.13 Constg. N/L Channel of Bazidpur Minor off-taking from RD—626400—R Abohar Minor.	Do	Flow Scheme Distt. Ferozepur	87-88	8.96	79.80	26.50	—	—
MI(I)2.11 Constg Bhanger Shakcor reclamation Channel	Do	Reclamation Channel Ferozepur & Faridkot	1988	113.46	113.46	76.85	—	—
MI(I)2.5 Technical Assistance Research & Training.	Do	Whole of Pb.	Continuous nature of Schemes	—	—	387.47	—	—
MI(I)2.6 Integrated utilisation water Resources (including Studies under Irr. & Drg. Project Phase-II)	Do	Ground Water Scheme	1971	160.00	1250.00	547.10	—	—
MI(I)2.16 3R Minor Machki Disty RD.O- 27000 Tail off taking	Do	—	—	—	—	—	—	—
<b>(e) Anti Water Logging Flood Control and Drg Schemes</b>	<b>104271100</b>							
FC 4.1 Flood Control and Drainage	01	Whole of Punjab	Continuous nature	—	—	15216.87	—	—
FC 4.2 Anti-Water logging Surface Drainage Scheme for lowering Water table of South West District of Punjab.	Do	Surface Drg. Sangrur, Faridkot, Ferozepur	1984	5087.00	5087.00	2415.61	—	—
FC 4.6 Sub Surface Scheme for lowering water table of South-West District of Punjab	Do	Sub Surface Drg. Ferozepur, Faridkot, 1990 190 Bhatinda & Sangrur.)		1001.00	1001.00			
Sub-Total : Critical on going Schemes (A)				60247.71	88988.83	37217.44	553.54	524.57

\*District Level Scheme.

†A part of this scheme amounting to Rs. 785.00 lacs for flood control and drainage drainage works is transferred to district level and the outlay for State level is 115.00 lacs.

## III A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
30.00	47.00*	2.50*	—	Transferred to District level.
—	—	11.50*	0.620	Ditto
—	52.68*	49.00*	1.500	Ditto
—	—	10.00*	—	Ditto
—	18.00*	36.00*	2.050	Ditto
50.87	60.00	75.00	—	—
85.10	123.70	139.00 (This includes Rs. 41.00 for W/B Studies)	—	—
—	30.00*	—	—	—
1108.96	1530.59	900† (115.00 Lacs under State Plan and 785 Lacs under District Plan)	11 Km. embankments 71 Kms drains 7000 Hect. area to be protected	Flood control and Drainage scheme of Rs. 860.00 lacs trans- ferred to district level.
—	670.00	640.00	10,000 Hect. area to be protected	—
378.44		100.00	150 Hect. Area to be re-claimed	—
—	—	—	—	—
3451.32	4649.97	3980.00	17.68	—

## ANNUAL PLAN 1992-93 PROPOSALS

A Critical on going

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Schemes	Comen- cement year	Estimated Cost		Cumula- tive Exp- endj- ture upto end of 7th Plan	Upto the end of 7th Plan		
				Original	Revised		Capacity Creation	Utilisation	
1	2	3	4	5	6	7	8	9	
<b>SANCTIONED SCHEMES ON GOING</b>									
<b>(a) Major Irrigation Schemes 104270101</b>									
<b>201001</b>									
IR 1.3 Lining of Channel Phase-II		All Distt. of State Modernisation Schemes	1990-91	10,000.00	10,000.00	—	—	—	—
IR 1.15 Constg. of New Lined combined channel of Bikaner Canal and Main Branch of Eastern Canal		Flow Irr. in Distt. Ferozepur	—	1849.00 (Pb. Share)	1849.00 (Pb. share)	—	—	—	—
IR 1.18 Rehabilitation and impro- ment of Canals regulation structures in the Canal System Pb. (Gates and Gearing)	1 42270101	All Distt. of Pb. State Modernisation Schemes	1989-90	—	2482.00 (escalated costs)	—	—	—	—
						76.09			
<b>(b) Medium Irrigation Schemes 104270103</b>									
IR 1.19 Communication System on Canals	4701	Modernisation of Irrigation System	1988-89	—	800.00	—	—	—	—
IR 1.20 Computer aided Design Training	Do	Ditto	1989-90	—	100.00	—	—	—	—
IR 1.21 Setting up of Pb. Irg. Management Training Institute (PIMTI)	Do	Training of Technical Staff Amritsar	1990-91	400.00	400.00	—	—	—	—
<b>(c) Minor Irrigation Schemes 104270100</b>									
<b>Surface Water</b>									
<b>IRR 1</b>									
MI(I) 2.3 Low Dams in Kandi Area Phase-II	Do	Flood Control for Hoshiarpur	1990-91	2707.00	6200.00 (escalated cost)	—	—	—	—
<b>Ground Water</b>									
<b>Punjab State Tubewell Corporation</b>									
MI(C) 2.8 Tubewell and other schemes	Do	Installation of Tubewell in Ropar	1990-91	—	—	3471.19 (Pre-World Bank Ph-II)	73.20	54.542	—
<b>Agriculture Department</b>									
MI(A) 2.7 Strengthening of ground water and surface water organisation	Do		Continuous Nature	—	—	87.82	—	—	—
MI(A) 2.17 Sprinkler Irrigation System for Small Irrigation & Marginal farmers		Sprinkler Irrigation in water scarcity & sandy area of State	1990	—	—	—	—	—	—
MI(A) 2.18 Artificial recharge of ground water	Do	Do	—	—	—	—	—	—	—
<b>Command Area Development 104270500</b>									
<b>Schemes</b>									
MI(A) 3.3 Lining of Water Courses	4705	Lining of Water courses F2P, FDK LDH., PAT, SANG., BTR., SAN	1990	7600.00	7600.00	38247.56 Pre-World Bank Ph-II)	225.50	222.50	—
<b>Sub total sanctioned schemes (B)</b>				22556.00	29431.00	41882.66	298.70	277.042	
<b>Grand Total (Critical and Sanctioned Schemes) (A+B)</b>				82803.71	118419.83	79100.10	852.24	801.612	

## III A

## FOR SPILL OVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (In Units) 1992-93	Remarks (Specifically Environmental Measures/costs)
Actual Expenditure	Anti- cipated Expenditure			
10	11	12	13	14
327.10	1200.00	1200.00	4.00 (125 Km)	—
—	1.00	1.00	—	—
91.68	111.00	140.00	0.30	—
—	—	50.00	—	—
—	50.00	50.00	—	—
—	25.00	100.00	—	—
366.72	650.00	800.00	1.50	—
1160.38	870.00	870.00	3.00 (50.00 T/well)	—
9.8 <sup>2</sup>	30.00	40.00	—	—
—	40.00	40.00	—	—
—	—	—	—	—
578.40	1700.00	1200.00	3.20 (320 Km)	—
2534.10	4677.00	4491.00	12.00	—
5985.42	9326.97	8471.00	29.68	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
Critical Ongoing Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Schemes	Commencement year	Estimated Cost		Cumulative Ex- penditure upto End of 7th Plan	Up to the End of Seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>ENERGY:</b>								
1. RTP Stage—III	105280100	Thermal	1988	42000.00	55000.00	14406.00	—	—
	02	Ropar						
2. Ranjit Sagar Dam	102 105280100	Hydro	1978	76000.00	168704.00	58042.00	—	—
	01	Thein Gurdaspur						
3. S.Y.L. PHS	102 105280100	Hydro	1987	10364.00	15803.00	2445.00	—	—
	01	Ropar Rajpura						
4. Shahpur Kandi HEP	102 105280100	Hydro	1987	10200.00	70203.00	1064.00	—	—
	01	Shahpur Gurdaspur						
5. Transmission & Distribution	102 105280100					49722.00	—	—
	01							
6. *Rural Electrification	102 105280100					7860.80	—	—
	01							
	102							
*District Plan				138564.00	309710.00	133539.00	—	—
<b>Non-Conventional Sources of Energy:</b>								
1. Family Size Biogas Plants (By Agriculture Deptt.)						41.50	—	—
2. Community & Institutional Biogas Plants						100.00	—	—
3. Solar Thermal extension Programme						35.00	—	—
4. Demonstrations/Studies of Energy, Techniques Innovations etc./Improvement in efficiency of pumpsets and Co-generation						10.00	—	—
5. Wood Burning crematories						—	—	—
6. Mass Awareness & Extension Programme						—	—	—
7. Programmes manufactures for adopting energy conservation Techniques & Purchase of Equipment						—	—	—
8. Technology Assessment Data Base regarding Energy Supply/Demand Assessment.						—	—	—
						186.50	—	—
<b>IREP</b>								
<b>Integrated Rural Energy Programme</b>								
						186.50	—	—

## III- A

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units)	Remarks (Specifically Environmental Measures/ Costs)
Actual Expenditure	Anticipated Expenditure	Proposed Outlay	1992-93	
10	11	12	13	14
15613.00	12000.00	6000.00	210MW	1st unit to be continued in 1996-97
13952.00	17000.00	15000.00	—	To be continued in 1996-97
941.00	25.00	800.00	—	Ditto
242.00	100.00	500.00	—	Ditto
11735.00	3150.00	10300.00	—	—
3372.00	1500.00	3000.00	—	—
45855.00	33775.00	35600.00	—	—
10.93	12.00	14.00	—	—
40.00	50.00	50.00	—	—
16.00	16.00	30.00	—	—
10.00	5.00	15.00	—	—
—	3.00	2.00	—	—
—	5.00	10.00	—	—
5.00	10.00	14.00	—	—
1.50	3.00	3.00	—	—
83.43	104.00	138.00	—	—
30.00	30.00	40.00	—	—
113.43	134.00	178.00	—	—



## ANNUAL PLAN 1992-93/PROPOSALS

## A-3. Critical Ongoing

Particulars	Code No./ Major Head/ Minor Head	Nature and Loca- tion of the Scheme	Commen- cement year	Estimated cost		Cummulative expendi- ture upto the End of 7th Plan	Upto the End of Seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>INDUSTRY AND MINERALS 106000000</b>								
<b>VILLAGE AND SMALL INDUS- TRIES—106285100</b>								
<b>1. Direction and Administration 001</b>								
IN 1.1	District Industries Centres (C.S.)	All Distts.	1979-80	—	—	552.83	—	—
IN 1.2	Setting up of Women Entrepreneurs Cell	State Head Quarters	1991-92	—	—	—	—	—
Total 001		—	—	—	—	552.83	—	—
<b>2. Training 003</b>								
IN 2.1	Training of Staff and visit to industries in other states	—	1974-75	—	—	6.81	—	—
IN 2.2	Entrepreneurial Training Programme with ILO Assistance	—	1986-87	—	—	4.46	—	—
Total 003		—	—	—	—	11.27	—	—
<b>3. Research and Development 004</b>								
IN 3.1	Bicycle Research and Develop- ment Centre, Ludhiana	Ludhiana	1976-77	—	—	238.51	—	—
IN 3.2	Sewing Machine Research and Development Centre, Ludhiana	Ludhiana	1976-77	—	—	203.43	—	—
IN 3.3 (a)	New UNDP Projects	State Headquarter	—	—	—	0.10	—	—
(b) Economic Package,—								
	(i) Research and Development Centre for Electrical Applian- ces/Goods, Rajpura	Rajpura	—	—	—	—	—	—
	(ii) Research & Development Cen- tre for Re-Rolling Industry, Gobindgarh	Gobindgarh	—	—	—	—	—	—
	(iii) Research and Development Centre for Rubber Products, Jalandhar	Jalandhar	—	—	—	—	—	—
IN 3.4	Modernisation of Small Scale Industries*	Distt. Level	1975-76	—	—	65.89	—	—
IN 3.5	Incentives for Standardisation Productivity, New Inventions/ Innovations, Quality Certification and participation in centrally assisted development projects (Assistance) Incentive for Technology Upgradation	—	1980-81	—	—	6.37	—	—
IN 3.6	Equipping and Modernisation of Industrial Development Centres	—	—	—	—	86.66	—	—
IN 3.7	Equipping and Modernisation of Quality Marking Centres	—	1980-81	—	—	173.38	—	—
IN 3.8	Punjab Test House, Ludhiana	Ludhiana	1980-81	—	—	55.17	—	—

## III-A 3

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in units)	Remarks (specifically Environmental Measures/Costs)
Actual Expen- diture	Anticipated Expen- diture	Approved Outlay	1992-93	
10	11	12	13	14
91.29	109.50	130.00	—	—
—	—	Dropped	—	—
91.29	109.50	130.00	—	—
—	0.50	3.00	—	—
—	—	—	—	—
—	0.50	3.00	—	—
20.00 (Provisional)	60.00	—	—	—
6.50 (Provisional)	20.00	46.00	—	—
10.00	—	—	—	—
—	8.00	2.50	—	—
—	—	1.00	—	—
—	1.00	36.00	—	—
14.20 (Provisional)	102.34	79.00*	—	—
29.77	16.00	20.00	—	—
5.00 (Provisional)	Dropped	—	—	—
6.74 (Provisional)	Do	—	—	—
5.00 (Provisional)	Do	—	—	—

ANNEXURE  
ANNUAL PLAN 1992-93/PROPOSALS  
A-3 Critical Ongoing

Particulars	Code No. Major head/ Minor Head	Nature and Location of the Scheme	Commencement year	Estimated cost		Cumulative Expenditure upto the End of 7th plan	Upto the End of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
IN 3.9	Productivity Awards	—	1974-75	—	—	69.02	—	—
—	CFTRI BUILDING	—	—	—	—	0.12	—	—
IN 3.10	(i) Pollution Control Scheme*	District	1990-91	—	—	—	—	—
	(ii) Setting up of common effluent treatment plant for small Units (C.S)*	District	1990-91	—	—	—	—	—
IN 3.11	Setting up of Technology Information and Data Bank	District	1991-92	—	—	—	—	—
IN 3.12	Handtool Institute, Jalandhar*	Jalandhar	—	—	—	—	—	—
	Total 004	—	—	—	—	899.05	—	—
	<b>4. Industrial Estates 101</b>							
IN 4.1	Infrastructural Development— Punjab Small Industries and Export Corporation (PSIEC) including infrastructure work of other Corporations	—	1966	—	—	184.50	—	—
IN 4.2	Development of Goindwal Nucleus Industrial Complex	Goindwal Sahib	—	—	—	—	—	—
IN 4.3	Setting up of Tiny Industrial* Estates	—	1991-92	—	—	—	—	—
	TOTAL 101	—	—	—	—	184.50	—	—
	<b>5. Small Scale Industries 102</b>							
IN5.1	Participation in Industrial Fairs/Buyer-Seller Meets/ Marketing Assistance	State Level	1974-75	—	—	40.19	—	—
	—Delegation/Sales Study teams abroad	—	—	—	—	2.50	—	—
	—Trade Centres	—	1974-75	—	—	19.99	—	—
IN5.2	Publicity	State Level	1974-75	—	—	31.62	—	—
IN5.3	Quality Control Order on Household Electrical Appliances	State Level	1980-81	—	—	36.53	—	—
IN5.4	Effluent Treatment Plant in various I.D.C's	—	1985-86	—	—	4.76	—	—
IN5.5	Industrial Potential Survey	—	1991-92	—	—	—	—	—
	Total 102	—	—	—	—	135.59	—	—

## III A-3

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Scheme as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units)	Remarks (specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expen- diture	Approved Outlay	1992-93	
10	11	12	13	14
2.02	—	—	—	—
Dropped	—	—	—	—
—	47.50	50.00*	—	—
20.00	45.00	50.00*	—	—
—	7.00	50.00	—	—
14.86 (Provisional)	Dropped	—	—	—
134.09	306.84	334.50	—	—
—	503.67	700.00	—	—
—	56.00	30.00	—	—
—	50.00	—	—	—
—	609.67	730.00	—	—
11.00	—	10.00	—	—
Dropped	—	—	—	—
Dropped	—	—	—	—
3.99	7.50	10.00	—	—
10.00	—	10.00	—	—
Dropped	—	—	—	—
—	—	Dropped	—	—
24.99	7.50	30.00	—	—

Particulars	Code No. Major Head/ Minor Head	Nature and Loca- tion of the Scheme	Commencement year	Estimated cost		Cummulative expenditure upto the end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>6. Handloom Industry 103</b>								
IN 6.1	Marketing Development Assistance Scheme (C.S.)	State	1969-70	—	—	58.66	—	—
IN 6.2	Punjab State Handloom and Textile Development Corporation (PUNTEX)	State	1976	—	—	324.20	—	—
IN 6.3	Punjab State Hosiery and Knitwear Development Corporation	State	1977-78	—	—	346.93	—	—
IN 6.4	Sponsoring of Candidates for admission in Handloom Technology	State	1987-88	—	—	0.11	—	—
IN 6.5	Providing Stipends to the trainees of Powerloom in Powerloom Service Centre, Amritsar	Amritsar	1991-92	—	—	—	—	—
IN 6.6	Development of Cotton Hosiery Complex Abohar through Hosiery and Knitwear Development Corporation	Abohar	1991-92	—	—	—	—	—
IN 6.7	Setting up of Daree* Centre at Nakodar	Nakodar	1991-92	—	—	—	—	—
IN 6.8	Census of Powerlooms	—	—	—	—	0.50	—	—
Total 103				—	—	730.40	—	—
<b>7. Handicraft Industry 104</b>								
IN 7.1	(a) Setting up of Handicraft Village	State	1969-70	—	—	37.21	—	—
	(b) Imparting training to artisans in Handicraft							
Total 104				—	—	37.21	—	—
<b>8. Khadi and Village Industries 105</b>								
IN 8.1	Strengthening of Punjab Khadi and Village Industries Board.		1957	—	—	—	—	—
Total 105				—	—	—	—	—
<b>9. Sericulture 107</b>								
IN 9.1	Development of Sericulture*	State/Distt.,	1969-70	—	—	71.81	—	—
Total 107				—	—	71.81	—	—

## III-A-3

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (IN UNITS)	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
10	11	12	13	14
6.23	7.00	25.00	—	—
—	—	Dropped	—	—
25.00	20.00	100.00	—	—
—	—	—	—	—
—	0.50	—	—	—
—	—	—	—	—
—	2.00	—	—	—
—	—	—	—	—
31.23	29.50	125.00	—	—
2.52	2.40	10.00	—	—
2.52	2.40	10.00	—	—
—	—	10.00	—	—
—	—	10.00	—	—
17.97 Provisional)	4.00	10.00*	—	—
17.97	4.00	10.00	—	—

ANNEXURE—  
ANNUAL PLAN 1992-93—PROPOSALS  
A-3 Critical ongoing

Particulars	Code No. Major head/ Minor Head	Nature and Lo- cation of the Scheme	Commen- cement year	Estimated cost		Cummulative Expenditure up to the end of 7th Plan	Up to the end of seventh plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>10. Composite V &amp; SI Cooperatives 110</b>								
IN 10.1		Participation in the share capital of Industrial Cooperatives including Apex Handloom/Primary Handloom & Primary Handloom Weavers Coop. Soc.	State	—	—	73.57	—	—
IN 10.2		Subsidy to Central Co-operative Banks for advancing Loans to Industrial Cooperatives		—	—	0.02	—	—
IN 10.3		Market Development Assistance and rebate to Apex Handlooms & Primary Handloom Weavers Coop. Societies		—	—	58.63	—	—
IN 10.4		Assistance as share capital to Apex Handloom Coop. Soc. for setting up processing Units/Shoddy Spinning Plants/regional godowns		—	—	1.59	—	—
Total 110				—	—	133.81	—	—
<b>11. Employment 111</b>								
IN 11.1		Employment Programme for educated youths *	District	1985-86	—	33.17	—	—
IN 11.2	(i)	Special Employment Programme*	—	1990-91	—	—	—	—
	(ii)	Special Employment Programme for Educated Youth		—	—	—	—	—
IN 11.3		Employment Generation Programme through villages/Rural Industrialisation	Field Level	1991-92	—	—	—	—
Total 111				—	—	33.17	—	—
Total V & SI 1062851-00				—	—	2789.64	—	—
<b>Industries (Other than V &amp; SI) 1062852-00</b>								
IN 12.1		Punjab Financial Corporation	H.Q.	1963	—	1354.00	—	—
IN 12.2		Punjab State Industrial Development Corporation	H.Q.	1966	—	8501.90	—	—
IN 12.3		Goindwal Industrial & Investment Corporation	H.Q.	—	—	387.45	—	—
IN 12.4	(i)	Focal Point (Acquisition of Land)	Throughout state	1969-70	—	4297.34	—	—
	(ii)	Interest free Loan*	„	1978-79	—	5367.52	—	—
	(iii)	State Capital Subsidy in lieu* of central Investment Subsidy	Throughout state	1985-86	—	1249.80	—	—
	(iv)	Land Subsidy*	Throughout state	1979-80	—	807.17	—	—
	(v)	Generating Set Subsidy*	Throughout state	1970-71	—	67.16	—	—
	(vi)	Subsidy to Punjab Alkalies	„	1980-81	—	705.04	..	..
	(vii)	Re-imbursement of octroi*/ Terminal Tax & Electricity Charges	Throughout state	1979-80	—	432.64	—	—
IN 12.5		Establishment of Growth Centres	—	—	—	—	—	—
IN 12.6		Special Interest Subsidy in Border Distts.*	Border Distts.	1990-91	—	—	—	—
Total				—	—	23170.02	—	—

## III—A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)				
Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units)	Remarks (specifically Environmental Measures/Costs)
Actual Expd.	Anticipated Expen- diture	Approved Outlay	1992-93	
10	11	12	13	14
8.10	15.00	20.00	—	
—	—	—	—	—
38.02	25.00	30.00	—	—
1.50	52.50	52.50	—	—
47.62	92.50	102.50	—	—
130.45 (Provisional)	20.00	—	—	—
215.70 (Provisional)	428.25	300.00*	—	—
2219.00 (Provisional)	—	—	—	—
—	—	—	—	—
2565.15	448.25	300.00	—	—
2914.86	1610.66	1785.00	—	—
500.00	750.00	750.00	—	—
889.90	1050.00	1480.00	—	—
100.00	100.00	50.00	—	—
—	—	—	—	—
790.23 (Provisional)	1394.00	900.00	—	—
476.53 (Provisional)	526.00	350.00	—	—
45.10 (Provisional)	110.50	150.00	—	—
102.89 (Provisional)	46.00	50.00	—	—
—	—	—	—	—
59.07	33.00	50.00	—	—
—	150.00	400.00	—	—
—	120.99	—	—	—
2963.72	4280.49	4180.00	—	—



ANNEXURE  
ANNUAL PLAN 1992-93/PROPOSALS  
A. 3 Critical ongoing schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Loca- tion of the scheme	Commencement year	Estimated Cost		Cummulative Expenditure upto the end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity Crea- tion	Utilisa- tion
1	2	3	4	5	6	7	8	9
IN 13.1	Setting up of Chemical Cell	H.Q.	1991-92	—	—	—	—	—
	Total			—	—	—	—	—
<b>14.</b>	<b>Telecommunications and Electronics Industry 107</b>							
IN 14.1	Punjab State Electronics Develop- ment & Production Corporation	--	1976	—	—	743.50	—	—
	(ii) Setting up of Electronic Research & Development Centre at Mohali	—	—	—	—	—	—	—
	Total 107			—	—	743.50	—	—
<b>15.</b>	<b>Consumer Industry 08</b>							
IN 15.1	Punjab State Leather Development Corporation	State	1980-81	—	—	381.90	—	—
	(i) Setting up of Effluent Treatment Plant at Leather Complex Jalandhar	Jalandhar	—	—	—	—	—	—
	(ii) Improvement in the Earnings of Footwear artisans in Punjab assisted by I.L.O.	—	—	—	—	—	—	—
	(iii) Setting Up of Testing Laboratory for Leather & Leather Goods at Jalandhar	Jalandhar	—	—	—	—	—	—
	(iv) Common facility Centre at Leather Complex, Jalandhar	Jalandhar	—	—	—	—	—	—
	(v) Scheme for creation of Production Facilities	—	—	—	—	—	—	—
	Total 08			—	—	381.90	—	—
	Total Industries (Other than V & SI) (106 2852-00)			—	—	24295.42	—	—
	Total V & SI and Industries (Other than V & SI)			—	—	27085.06	—	—
<b>16</b>	<b>Regulation and Development of Mines and Minerals 106285302</b>							
IN 16.1	Regulation of Mines & Minerals		1969	—	—	80.56	—	—
	Total 106285302			—	—	80.56	—	—
<b>17.</b>	<b>Other Economic Services 110 3470-00</b>							
IN 17.1	Regulation of Weights and Measures	—	—	—	—	20.37	—	—
	Total 1103470-00			—	—	20.37	—	—
	Grand Total Sub-head 'Industry' (on going Schemes)			—	—	27185.99	—	—

## III-A-3

## FOR SPILL OVER AND ON-GOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In Units) 1992-93	Remarks (Specifically Environmental measures /costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
—	—	—	—	—
—	—	—	—	—
292.78	700.00	950.00	—	—
280.00	95.80		—	—
572.78	795.80	950.00	—	—
—	—	—	—	—
25.00	—	—	—	—
50.00	50.00	8.00	—	—
10.00	10.00	6.00	—	—
—	15.00	29.50	—	—
—	—	16.50	—	—
85.00	75.00	60.00	—	—
3621.50	5151.29	5190.00	—	—
6536.36	6761.95	6975.00	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
6536.36	6761.95	6975.00	—	—

\*District Level Schemes.

ANNEXURE-  
ANNUAL PLAN

## A.3 Critical ongoing schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Scheme	Commencement year	Estimated cost		Cumulative Expenditure upto the end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>1. Roads and Bridges</b>	<b>107305400</b>							
<b>1. State Highways, District and other Roads</b>								
*RD 1.1 Main roads and Missing links of main roads		Entire State	—	—	—	140.33	—	—
*RD 1.2 Improvement/Widening and providing Additional crust on existing roads		Do	—	—	—	3505.13	—	—
<b>2. Machinery and Equipment</b>	<b>052</b>							
RD 2.1 Machinery		Do	—	—	—	145.84	—	—
<b>3. Minimum Needs Programme</b>	<b>800</b>							
*RD 3.1 Village roads		Do	—	—	—	88.35	—	—
<b>4. Safety works programme]</b>								
RD 4.1 Bridges		Do	—	—	—	1672.41	—	—
<b>5. Other Expenditure</b>	<b>800</b>							
RD 5.1 Central Roads funds		Do	—	—	—	233.22	—	—
*RD 5.2 Improvement of roads within MC limits		Do	—	—	—	360.80	—	—
*RD 5.3 Bye-passes		Do	—	—	—	184.98	—	—
RD 5.4 Research & Development : field training, Labs. and purchase of equipments		Patiala	—	—	—	6.27	—	—
	<b>Total</b>					<b>6337.33</b>	<b>—</b>	<b>—</b>
<b>Road Transport</b>	<b>107305500</b>							
RT-1 Pepsu Road Transport Corporation	190	Entire State	—	—	—	3490.00	—	—
RT-2 Punjab Roadways:								
(i) Land & Building		Do	—	—	—	457.48	—	—
(a) Addition		Do	—	—	—	—	—	—
(b) Replacement		Do	—	—	—	3682.04	—	—
(iii) Workshop facilities		Do	—	—	—	63.41	—	—
(iv) Other Expenditure		Do	—	—	—	10.15	—	—
	<b>Total (i) to (iv)</b>					<b>4213.08</b>	<b>—</b>	<b>—</b>
	<b>Total RT-1 and RT-2</b>					<b>7703.08</b>	<b>—</b>	<b>—</b>

\*District level schemes.

## III-A.

## 1992-93 PROPOSALS FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (In Units) 1992-93	Remarks (specifically Environmental/Measures /Costs)
Actual Expen- diture	Anti- cipated Expendi- ture			
10	11	12	13	14
—	60.00	60.00*	—	
—	1148.72	1000.00*	—	
—	60.00	60.00	—	
—	200.00	200.00*	—	
711.79	650.00	800.00	—	
80.00	100.00	100.00	—	
—	143.90	100.00	—	
—	270.00	170.00*	—	
1.00	10.00	10.00	—	
792.79	2642.62	2500.00	—	
800.00	850.00	900.00	—	
75.50	265.00	200.00	—	
—	—	—	—	
1069.45	1450.00	1450.00	—	
13.73	42.03	40.00	—	
—	—	—	—	
1158.68	1757.03	1690.00	—	
1958.68	2607.03	2590.00	—	

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commencement year	Estimated cost		Cumulative expendi- ture up to end of 7th Plan	Up to the end of Seventh Plan		
				Original	Revised		Capacity Creation	Utili- sation	
1	2	3	4	5	6	7	8	9	
<b>Civil Aviation</b>	<b>107305300</b>								
<b>Training &amp; Education</b>	<b>003</b>								
AV 1.1 (i) Provision of Air craft maintenance at Engineer- ing School at Patiala				—	—	—	25.00	—	—
(ii) Provision of simula- tor/Helicopters training				—	—	—	5.00	—	—
(iii) Taking over of flying clubs				—	—	—	—	—	—
<b>2. Aerodromes and Air route Services:</b>	<b>102</b>								
AV 2.1 Extension and cons- truction of Aerodromes		Ludhiana		—	—	—	11.21	—	—
<b>3. Machinery and Equipment</b>	<b>052</b>								
AV 3.1 Advanced Training of Pilots				—	—	—	39.96	—	—
<b>Total</b>							<b>81.17</b>		
<b>Tourism</b>	<b>1103450001</b>								
TM 1.1 Punjab State Tourism 190 Development Corpora- tion (Share Capital Contribution)		Entire State		—	—	—	99.49	—	—
TM 1.2 Acquisition and dev-lop- ment of land for Yatri Niwas				—	—	—	37.00	—	—
TM 1.3 Acquisition and Develop- ment of land for wayside amenities]		Entire State		—	—	—	56.00	—	—
TM 1.4 Setting up of Hotel-cum- Convention Centre at Chandigarh		Chandigarh		—	—	—	81.50	—	—
TM 1.5 Trg. of staff and familia- risation of Tours				—	—	—	1.00	—	—
TM 1.6 Setting up of Hill Resort in the State		Gurdaspur		—	—	—	0.84	—	—
TM 1.7 Food Craft Institute		Nangal		—	—	—	—	—	—
TM 1.8 Promotion and Publicity				—	—	—	—	—	—
<b>Total</b>							<b>275.83</b>		

## II- A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93 Approved outlay	Anticipated Benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Cost
10	11	12	13	14
—	—	—	—	
—	—	—	—	
6.50	50.00	30.00	—	
25.00	50.00	50.00	—	
31.50	100.00	80.00	—	
27.00	—	—	—	
—	—	10.00	—	
20.00	—	20.00	—	
50.00	—	—	—	
—	—	—	—	
—	—	—	—	
20.00	—	20.00	—	
—	—	2.00	—	
117.00	—	52.00	—	

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
3.A Critical On going Schemes

Particulars Code No. /Major Head/Minor Head	Nature and Location of the Scheme	Commencement year	Estimated Cost		Cumulative Expenditure upto end of 7th Plan	
			Original	Revised		
1	2	3	4	5	6	7
<b>SCIENCE &amp; TECHNOLOGY</b>						
1. Sponsored Schemes Other Scientific Research (include S&T) Pilot trails/Extensions through approved Institutions			1990-91	—	—	60.20
2. Extension and Services						
(a) Techno Economic Assistant Evaluation of Programmes including S & T Components			—	—	—	—
(b) Environment Consultancy Cell			—	—	—	—
(c) Infrastructural support to various environmental centres in the State			—	—	—	—
(d) Training/Retraining including Seminars & workshops			—	—	—	—
3 Support to Non-Governmental Organisation (N. G. O) for Promotion of Science			1985-86	—	—	1.30
4 Projects for utilisation of fly Ash for Building Material etc.			1991-92	—	—	—
5 Technical Secretariat of P.S.C.S.T.			1983-84	—	—	20.00
6 Environment Awareness Programme			1990-91	—	—	—
7 Popularisation of Science			1991-92	—	—	—
Sub-Total I				—	—	81.50
<b>3435 – Ecology / Environment</b>						
<b>04—Prevention / Control of pollution</b>						
<b>890—Other Receipts</b>						
1. Monitoring of Waters and Soils in the State						
(a) Monitoring of Rivers and their tributaries to determine the water quality of inland surface water in Punjab	PTA		1989-90	63.00	63.00	7.75
(b) Monitoring of Ground water quality of the cities of Punjab	Do		1991-92	19.26	19.26	—
(c) Operation and Maintenance of mobile waste water & air testing Laboratory	Do		1987-88	27.88	27.88	11.2
(d) Assessment of soil Pollution by Industrial effluards	Do		1990-91	25.10	25.10	—
2. Monitoring of Air and Emissions in the State						
(a) -Monitoring of Ambient Air quality in the State	Do		1987-88	99.64	99.64	20.34
3. Revitalization of Board's Activities						
(a) Time-targetted action plan to deal with cost polluted areas in the State	Do		1990-91	145.15	145.15	—
(b) Hazardous Waste management	Do		1991-92	61.25	61.25	—
4. Pollution Control Laboratories in the State						
* (a) Setting-up of 3 Regional Laboratories at Ludhiana, Bathinda & Amritsar	Do		1990-91	50.18	50.18	—
* (b) Upgradation of Central Laboratory of the Board at Patiala	Do		1990-91	63.40	63.40	—
5. Extension of Board Services to the District	Do		1991-92	126.37	126.37	—
Sub-Total II				681.15	681.15	40.21
Grand Total				681.15	681.15	121.71

\*District Level

## III-A

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

Upto the end of Seventh Plan		Annual Plan 1990-91		Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93 Approved outlay	Anticipated Benefits in (Units)	
Capacity Creation	Utilisation	Actual Expenditure				92-93 8th Plan	Beyond Remarks
8	9	10	11	12	13	14	
—	—	64.77	50.00	63.00	—	—	
—	—	—	—	—	—	—	
—	—	—	—	5.00	—	—	
—	—	—	3.00	15.00	—	—	
—	—	—	—	5.00	—	—	
—	—	—	—	2.00	—	—	
—	—	0.63	1.63	5.00	—	—	
—	—	2.50	2.50	40.00	—	—	
—	—	18.50	18.50	25.00	—	—	
—	—	2.00	2.00	5.00	—	—	
—	—	4.75	1.25	10.00	—	—	
—	—	93.15	78.88	175.00	—	—	
910	403	6.95	5.00	8.00	—	—	
—	—	—	2.00	2.91	—	—	
one	one	3.12	4.00	4.50	—	—	
—	—	8.69	2.00	3.00	—	—	
25	25	16.68	10.00	26.09	—	—	
—	—	6.95	20.00	22.00	—	—	
—	—	—	5.00	8.00	—	—	
—	—	0.06	12.00	10.00	—	—	
—	—	—	6.30 2.00	8.00 11.00	—	—	
—	—	35.19	68.30	103.50	—	—	
—	—	128.34	147.18	278.50	—	—	



ANNEXURE III  
ANNUAL PLAN 1992-93 PROPOSALS  
A 3 Critical on going

Particulars	Code No. Major Head Minor Head	Nature and Location of the scheme	Commencement year	Estimated cost		Cumulative Expenditure up to end of 7th plan	Up to end of the Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
110345 100	Secretariat Economic Services							
101 P.M. 1.1	Strengthening of Planning Machinery in the State	State Level Scheme	1972-73	—	—	51.18	—	—
101 P.M. 1.2	Planning Machinery At Distt. Headquarter	State Level Scheme	1990-91	—	—	—	—	—
101 P.M. 1.3	(i) consultancy and Technical Services on pilot Basis	State Level Scheme	1988-89	—	—	1.97	—	—
101 P.M. 1.4	Quick Survey and Studies	State Level Scheme	1987-88	—	—	1.00	—	—
101 P.M. 1.5*	Formulation of District Plan at the district headquarters	District Level Scheme	1988-89	—	—	2017.00	—	—
101 P.M. 1.6	Introduction of Computerisation of Punjab Govt. Offices	State Scheme	1988-89	—	—	63.90	—	—
101 P.M. 1.7	Grant-in-aid to the CRRID	State Scheme	1980-81	—	—	26.95	—	—
101 P.M. 1.9	Self Employment to one lakh youth-special package Programme—	State Level Scheme	1991-92	—	—	—	—	—
101 P.M. 1.10	To make three border district no un-employment district	State Level Scheme	1991-92	—	—	—	—	—
	Total	..		—	—	2162.00	—	—
110345400	Census Survey and Statistic							
S.T. 1.10	Setting up of Socio-Economic Research Analysis Unit	State Level Scheme	1990-91	—	—	—	—	—
S.T. 1.11	Preparation of Input-out Table	State Level Scheme	1990-91	—	—	—	—	—
S.T. 1.12	Strengthening of NSS wing at Headquarter	State Level Scheme	1990-91	—	—	—	—	—
S.T. 1.13	Setting up of Statistical Machinery at sub-divisional level	State Level Scheme	1990-91	—	—	—	—	—
	Total	..		—	—	—	—	—
11000000000	Programme Implementation.							
	Economic Coordination and 20 Point Programme	State Level Scheme	1990-91	—	—	1.93	—	—
	Total	..		—	—	1.93	—	—

\*Funds devolved to Districts have been reflected under concerned sub-heads of development.

## III—A.

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual plan 1990-91 Actual Expenditure	Annual Plan 1991-92 Anticipated Expendi- ture	Annual plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks Specifically Environmental Measures/Costs
10	11	12	13	14
5.53	20.30	30.00	—	—
—	—	—	—	—
1.50	0.48	1.50	—	—
—	—	1.00	—	—
2385.55	2528.65	1817.50	—	—
87.66	100.00	300.00	—	—
5.00	—	—	—	—
—	—	—	—	—
—	—	—	—	—
2485.24	2649.43	2150.00	—	—
—	—	7.54	—	—
—	—	5.75	—	—
—	—	2.36	—	—
—	—	30.87	—	—
—	—	46.52	—	—
0.31	—	4.00	—	—
0.31	—	4.00	—	—

## ANNUAL PLAN 1992-93 PROPOSALS FOR

## A 3. Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the Schemes	Commencement year	Estimated Cost		Cumulative Expenditure upto the end of 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>General Education</b>	<b>221220200</b>							
<b>Elementary Education (Primary)</b>	<b>01</b>							
<b>Direction and Administration</b>	<b>001</b>							
ED 1.1—Administration and Supervision: Additional Staff.		—	—	—	—	16.93	—	—
<b>Total (001)</b>		—	—	—	—	16.93	—	—
<b>Government Primary Schools</b>	<b>101</b>							
ED 1.2—Opening of Primary Schools		—	—	—	—	15.53	—	—
<b>Total (101)</b>		—	—	—	—	15.53	—	—
<b>Teachers and Other Services</b>	<b>106</b>							
ED1.4 Furniture in Primary Schools		—	—	—	—	183.99	—	—
ED1.5—Supply of teaching aids and materials		—	—	—	—	5.63	—	—
ED 1.6—Part-time sweepers in Schools		—	—	—	—	24.87	—	—
ED 1.7—Lavatory and drinking water facilities		—	—	—	—	85.08	—	—
<b>Total (106)</b>		—	—	—	—	299.57	—	—
<b>Teachers Training</b>	<b>107</b>							
ED 1.8—Seminars and Workshops for DEOs/CHTs/HTs.		—	—	—	—	3.81	—	—
ED 1.9—In-Service Training to JBT Teachers		—	—	—	—	54.19	—	—
<b>Total (107)</b>		—	—	—	—	58.00	—	—
<b>Other Expenditure</b>	<b>800</b>							
ED1.10 Construction of class- room /School buildings		—	—	—	—	600.00	—	—
@(a) (i) Prurchase of land for cons- truction of Primary schools in urban areas.		—	—	—	—	—	—	—
@(ii) Provision of facilities for the improvement of Primary Education		—	—	—	—	—	—	—
<b>Total (800)</b>		—	—	—	—	600.00	—	—
<b>Total (Primary Schools)</b>		—	—	—	—	990.03	—	—

@District level plan scheme

## III-A

## SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (IN UNITS)	Remarks (Specifically Environ- mental Measure/Costs)
Actual Expenditure	Actual Expenditure	Approved Outlay	1992-93	
10	11	12	13	14
—	0.30	1.00	—	—
—	0.30	1.00	—	—
1.40	0.44	2.00	—	—
1.40	0.44	2.00	—	—
21.20	—	—	—	—
—	—	—	—	—
2.80	2.00	3.00	—	—
15.00	—	—	—	—
39.00	2.00	3.00	—	—
—	—	—	—	—
—	—	5.00	—	—
—	—	5.00	—	—
200.00	—	—	—	—
—	25.00	—	—	—
—	648.12	521.00	—	—
200.00	673.12	521.00	—	—
240.40	675.86	532.00	—	—

## ANNUAL PLAN 1992-93 PROPOSAL FOR

## A.3 Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and Location of the schemes	Commencement year	Estimated Cost		Cumulative Expenditure upto the end of 7th plan	Up to the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Middle Education</b>								
<b>Equipment</b>	<b>052</b>							
ED1.11—Science equipment and apparatus		—	—	—	—	44.55	—	—
<b>Total (052)</b>		—	—	—	—	44.55	—	—
<b>Govt. Middle Schools 101</b>								
ED1.12—Upgradation of Primary Schools to Middle Standard.		—	—	—	—	636.18	—	—
<b>Total (101)</b>		—	—	—	—	636.18	—	—
<b>Non-Formal Education 105</b>								
ED1.13—Non-Formal Education		—	—	—	—	29.49	—	—
<b>Total (105)</b>		—	—	—	—	29.49	—	—
<b>Teachers and other services 106</b>								
ED1.14—Lavatory and drinking water facilities		—	—	—	—	48.46	—	—
ED1.15—Furniture in Middle Schools		—	—	—	—	53.88	—	—
<b>Total (106)</b>		—	—	—	—	102.34	—	—
<b>Other Expenditure 800</b>								
ED1.16—Construction of class rooms/school buildings		—	—	—	—	105.44	—	—
ED1.17—Construction of Science Rooms		—	—	—	—	17.66	—	—
ED1.18—Universalisation of ele- mentary Education		—	—	—	—	—	—	—
@ED1.19—Provision of facilities for the improvement of Middle education		—	—	—	—	—	—	—
<b>Total (800)</b>		—	—	—	—	123.10	—	—
<b>Total (Middle Schools)</b>		—	—	—	—	935.66	—	—
<b>Total (01)</b>		—	—	—	—	1925.69	—	—

@District Plan,

## III-A

## SPILLOVER AND ONGOING PROGRAMES/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (IN UNITS) 1992-93	Remarks (Specifically Environ- mental measure/costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
20.00	—	—	—	—
20.00	—	—	—	—
—	1.88 (0.88 for district plan)	13.00	—	—
—	1.88	13.00	—	—
10.00	—	—	—	—
10.00	—	—	—	—
14.60	—	—	—	—
20.00	—	—	—	—
34.60	—	—	—	—
60.00	—	—	—	—
40.00	—	—	—	—
3.00	3.00	3.00	—	—
—	85.00	50.00	—	—
103.00	88.00	53.00	—	—
167.60	89.88	66.00	—	—
408.00	765.74	598.00	—	—

Particulars	Code No. Major Head Minor Head	Nature and Lo- cation of the Schemes	Commencement year	Estimated cost		Cummulative expendi- ture up to end of 7th Plan	Up to the end of seventh Plan	
				Critical	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Secondary Education</b>	<b>02</b>							
<b>Direction and Administration</b>	<b>001</b>							
ED-2.1—District Level Accounts Staff			—	—	—	1.04	—	—
(i) Restructuring of State Council of Educational Research and Training			—	—	—	—	—	—
<b>Total (001)</b>			—	—	—	1.04	—	—
<b>Research and Training</b>	<b>004</b>							
ED 2.2—Strengthening of Science Education			—	—	—	6.47	—	—
(i) Posts of Laboratory Attendants			—	—	—	276.05	—	—
(ii) Improvement of Science Education in Schools			—	—	—	—	—	—
ED 2.3—Strengthening and Improvement of Primary Education (UNICEF)			—	—	—	0.50	—	—
<b>Total (004)</b>			—	—	—	283.02	—	—
<b>Equipment</b>	<b>052</b>							
ED 2.4—Science equipment and apparatus			—	—	—	75.82	—	—
<b>Total (052)</b>			—	—	—	75.82	—	—
<b>Teachers Training</b>	<b>105</b>							
ED 2.5—In-service Training to Teachers/Masters/Mistresses			—	—	—	58.81	—	—
ED 2.6—Setting up of new In-Service Training Centres			—	—	—	99.43	—	—
(i) Setting up of vocational wing in existing in-service Training Centres			—	—	—	—	—	—
ED 2.7—Establishment of continuing Centres			—	—	—	2.31	—	—
<b>Total (105)</b>			—	—	—	160.55	—	—
<b>Teachers and other Services</b>	<b>106</b>							
ED 2.8—Furniture in High/Senior Secondary Schools			—	—	—	76.54	—	—
ED 2.9—Lavatory and drinking Water facilities			—	—	—	43.42	—	—
<b>Total (106)</b>			—	—	—	119.96	—	—

## III A.3

## FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs. in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual plan 1992-93 Approved Outlay	Anticipated Benefits (in Units) Plan	1992-93	Remarks (Specifically Environmental Measures/Costs)
Actuals Expd.	Actual Expen- diture				
10	11	12		13	14
—	—	—		—	—
—	1.00	1.00		—	—
—	1.00	1.00		—	—
1.62	3.40	4.00		—	—
5.00	2.00	10.00		—	—
—	—	15.00		—	—
—	—	—		—	—
6.62	5.40	29.00		—	—
50.00	—	—		—	—
50.00	—	—		—	—
—	—	—		—	—
—	6.00	10.00		—	—
—	2.00	15.00		—	—
—	—	—		—	—
—	8.00	25.00		—	—
25.00	—	—		—	—
50.00	—	—		—	—
75.00	—	—		—	—



ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 Critical on govt

Particulars	Code No. Major head/ Minor Head	Nature and lo- cation of the Head schemes	Commen- cement year	Estimated cost		Cumu- lative Expendi- ture to end of 7th plan	Up to the end of seventh plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Scholarships</b>	<b>107</b>							
ED 2.10—Scholarships for poor but brilliant students		—	—	—	—	37.74	—	—
ED 2.11—Scholarships to the children of riot affected families		—	—	—	—	17.56	—	—
<b>Total(107)</b>		—	—	—	—	<b>55.30</b>	—	—
<b>Examination</b>	<b>108</b>							
ED 2.12— Holding of science talent search examination		—	—	—	—	9.74	—	—
<b>Total (108)</b>		—	—	—	—	<b>9.74</b>	—	—
<b>Government Secondary Schools</b>	<b>109</b>							
ED 2.13— Upgradation of middle Schools to high level		—	—	—	—	977.44	—	—
ED 2.15(a)— Introduction of 10+2 system of education in Govt. Schools		—	—	—	—	705.97	—	—
ED 2.15 (b) Vocational stream of 10+2 system of Education		—	—	—	—	—	—	—
ED 2.16— Introduction of library Services in Govt. High Schools		—	—	—	—	23.42	—	—
<b>Total (109)</b>		—	—	—	—	<b>1706.83</b>	—	—
<b>Other Expenditure</b>	<b>800</b>							
ED 2.18—Construction of Science Laboratories		—	—	—	—	199.71	—	—
ED 2.19—Construction of School Buildings		—	—	—	—	192.83	—	—
@ED 2.20—Provision of facilities for the improvement of Secondary Education		—	—	—	—	—	—	—
ED 2.22— Human Resource Development facilities in Border Distts. (Economic Package)		—	—	—	—	—	—	—
<b>Total (800)</b>		—	—	—	—	<b>392.54</b>	—	—
<b>Total (02)</b>		—	—	—	—	<b>2804.80</b>	—	—
<b>Totals(Middle + Secondary)</b>		—	—	—	—	<b>3740.46</b>	—	—

@District plan.

## III-3

## FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91 Actual Expd.	Annual Plan 1991-92 Anticipated expenditure	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmentally Measures/Costs)
10	11	12	13	14
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
5.00	3.12 (1.12 for distt. plan)	11.00	—	—
350.00	517.60 (202.60 for distt. plan)	700.00 (200.00 for distt. Plan)	—	—
50.00	76.00 (40.00 for distt. plan)	200.00	—	—
8.00	—	—	—	—
413.00	596.72	911.00	—	—
100.00	—	—	—	—
180.50	—	—	—	—
—	471.14@	351.00@	—	—
—	1.00	1.00	—	—
280.50	472.14	352.00	—	—
825.12	1083.26	1318.00	—	—
992.72	1173.14	1396.00	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A 3. Critical on ongoing Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and location of the Schemes	Commence- ment Year	Estimated Cost		Cumulative Expenditure upto end of 7th Plan	Upto the end of 7th Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>University and Higher Education 03</b>								
<b>Direction and Administration 001</b>								
ED 3.1 (i) Strengthening of Directorate Administration		—	—	—	—	—	—	—
(ii) Setting up of State Council of Higher studies		—	—	—	—	—	—	—
ED 3.2 Strengthening of colleges administration		—	—	—	—	—	—	—
<b>Total (001)</b>		—	—	—	—	—	—	—
<b>Assistance to Universities 102</b>								
ED 3.4 Chairs and Job-oriented courses		—	—	—	—	44.13	—	—
ED 3.5 Matching contribution for UGC aided projects		—	—	—	—	71.62	—	—
ED 3.6 Regional Centre at Bathinda		—	—	—	—	31.00	—	—
(i) Regional Centre at Jalandhar		—	—	—	—	—	—	—
ED 3.7 Construction of Guru Nanak Bhawan at Guru Nanak Dev University Campus, Amritsar		—	—	—	—	25.00	—	—
<b>Total (102)</b>		—	—	—	—	171.75	—	—
<b>Government Colleges and Institutes 103</b>								
ED 3.8 Expansion of colleges		—	—	—	—	278.64	—	—
ED 3.9 Improvement in existing colleges		—	—	—	—	293.64	—	—
ED 3.10 Development of colleges under UGC aided projects		—	—	—	—	9.00	—	—
<b>Total (103)</b>		—	—	—	—	581.28	—	—
<b>Assistance to Non-Govt. Colleges and Institutes 104</b>								
ED 3.11 Grant-in-aid to Private Colleges under the 95% deficit Scheme		—	—	—	—	533.35	—	—
<b>Total 104</b>		—	—	—	—	533.35	—	—

## III.A.

## FOR SPILL-OVER AND ON-GOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In units)	Remarks (Specifically Environmental Measures/ costs)
Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
10	11	12	13	14
—	1.40	10.00	—	—
—	4.00	4.00	—	—
—	—	—	—	—
—	5.40	14.00	—	—
6.22	8.00	25.00	—	—
35.00	20.00	40.00	—	—
—	—	—	—	—
—	15.00	40.00	—	—
30.00	50.00	40.00	—	—
71.22	78.00	145.00	—	—
27.03	20.00	50.00	—	—
7.65	86.36	231.00	—	—
5.97	9.31	5.00	—	—
40.65	115.67	286.00	—	—
—	—	—	—	—
—	—	—	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3—Critical on going

Particulars	Code No. Major Head Minor Head	Nature and lo- cation of the Schemes	Commencement year	Estimated cost		Cumulative expendi- ture upto 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Faculty Development Programme</b>	<b>105</b>							
ED 3.12 Seminars and Refresher courses		—	—	—	—	4.41	—	—
Total (105)		—	—	—	—	4.41	—	—
<b>Text Book Development</b>	<b>106</b>							
ED 3.13 Promotion of regional Languages (Grant-in-aid to the Punjab University Text-Book Board)		—	—	—	—	73.84	—	—
Total (106)	..	—	—	—	—	73.84	—	—
<b>Scholarships</b>	<b>107</b>							
ED 3.14 State Merit Scholarships		—	—	—	—	23.19	—	—
ED 3.15 Scholarships to the children of riot affected families		—	—	—	—	7.30	—	—
Total (107)	..	—	—	—	—	30.49	—	—
<b>Other Programmes</b>	<b>800</b>							
ED 3.16 Hostels in Government Colleges		—	—	—	—	35.10	—	—
Total (800)		—	—	—	—	35.10	—	—
Total (03)	..	—	—	—	—	1430.22	—	—
<b>Adult Education</b>	<b>04</b>							
Ed 4.1 Mass Education Programme	..	—	—	—	—	43.21	—	—
Total (04)	..	—	—	—	—	43.21	—	—
<b>Language Development</b>	<b>05</b>							
<b>Promotion of Modern Indian Languages and literature</b>	<b>102</b>							
ED 5.1 Development of Punjabi	..	—	—	—	—	40.67	—	—
ED 5.2 Development of Hindi	..	—	—	—	—	5.67	—	—
ED 5.3 Development of Urdu	..	—	—	—	—	4.03	—	—
Total (102)	..	—	—	—	—	50.37	—	—

## III-A

## FOR SPILLOVER AND ON-GOING PROGRAMMES PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92 Actual expenditure	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs
10	11	12	13	14
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
3.10	—	40.00	—	—
3.10	—	40.00	—	—
114.97	193.67	485.00	—	—
—	—	100.00	—	—
—	—	100.00	—	—
—	—	—	—	—
11.00	11.00	12.00	—	—
1.44	1.50	1.70	—	—
1.50	1.50	1.70	—	—
13.94	14.00	15.40	—	—

Particulars	Code No. Major Head Minor Head	Nature and Lo- cation of the Scheme	Commen- encement year	Estimated cost		Cumu- lative expendi- ture upto end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity creation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Sanskrit Education</b>	<b>103</b>							
ED 5.4 Development of Sanskrit						3.98		
<b>Total (103)</b>						<b>3.98</b>		
<b>Other Expenditure</b>	<b>800</b>							
ED 4.6 Construction of Bhasha Bhawan Complex at Patiala						112.00		
ED 5.7 Micro Filming						1.00		
EC 5.8 Training of High Speed Stenographers								
ED 5.9 Punjabi week								
ED 5.10 Preparation of Trilingual self- teachers								
ED 5.11 Training of Interpreters								
ED 5.12 Publication of books								
ED 5.13 Language laboratory								
ED 5.14 Preservation of books & Stocks								
<b>Total (800)</b>						<b>113.00</b>		
<b>Total (05)</b>						<b>167.35</b>		
<b>Total (2 212202 00)</b>						<b>6371.27</b>		
* Transferred to the Distts.								
** Partially transferred to the distts.								
<b>Sports and Youth Services</b>	<b>221220400</b>							
<b>Direction and Administration</b>	<b>001</b>							
SY 1.1 Establishment of Distt. Youth Centres						12.95		
SY 1.2 Establishment of State Youth Training and Development Centre						2.68		
<b>Total (001)</b>						<b>15.63</b>		

## II-3.A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs)
Actual Expd.	Anticipated expenditure			
10	11	12	13	14
1.00	1.20	1.20	—	—
1.00	1.20	1.20	—	—
43.48	107.05	100.00	—	—
—	—	15.00	—	—
2.00	1.40	2.20	—	—
9.00	9.00	15.00	—	—
—	—	1.00	—	—
—	—	1.00	—	—
—	10.00	16.00	—	—
—	0.40	8.20	—	—
—	—	—	—	—
54.48	127.85	158.40	—	—
69.42	143.05	175.00	—	—
1417.51	2185.72	2676.00	—	—
—	0.50	11.50	—	—
—	0.75	0.90	—	—
—	1.25	12.40	—	—



ANNEXURE  
ANNUAL PLAN 1992-93—PROPOSALS FOR  
A 3 Critical on going

Particulars	Code No. Major head Minor Head	Nature and lo- cation of the schemes	Commen- cement year	Estimated cost		Cumulative Expendi- ture upto the end of 7th plan	Up to the end of seventh Plan	
				Critical	Revised		Cre- ation	Utilisation
1	2	3	4	5	6	7	8	9
<b>Physical Education</b>	<b>101</b>							
SY 1.3		Holding of tournaments/ participation camps etc.	—	—	—	14.55	—	—
SY 1.4		Providing of sports material to Govt. Middle, High/Higher Secondary and Senior Secondary Schools	—	—	—	13.73	—	—
SY 1.5		Providing of latest sports equipment to 13 sports wings	—	—	—	9.87	—	—
SY 1.6		(i) Improvement in State School of Sports, Jalandhar	—	—	—	63.28	—	—
		(ii) Providing of Hostel facilities	—	—	—	—	—	—
		(iii) Improvement in Rural@ area school (To be imple- mented on 50:50 sharing basis with Govt. of India)	—	—	—	—	—	—
		(iv) Laying of Synthetic@ Track and Provision of staff for the maintenance thereof	—	—	—	—	—	—
		(v) Construction of Sports@ Hostels in schools adopted by Sports Authority of India	—	—	—	—	—	—
SY 1.7		Cub and Bul Bul Movement	—	—	—	2.50	—	—
SY 1.8		Opening of new and strengthen- ing of existing Sports Wings	—	—	—	34.10	—	—
SY 1.9		Strengthening of 13 exist- ing Sports Wings	—	—	—	43.40	—	—
SY 1.10		Posts of Coaches and Game boys in various games	—	—	—	11.87	—	—
SY 1.11		(i) Posts of DPEs.	—	—	—	53.69	—	—
		(ii) Creation of 12 posts of Deputy District (Physical) Education Officers	—	—	—	—	—	—
		(iii) Provision of support- ing staff	—	—	—	—	—	—
		(iv) Holding of refresher courses for coaches and Physical Education Teachers and promotion of Yoga	—	—	—	—	—	—
		<b>Total (101)</b>	—	—	—	246.99	—	—

## III-A.

## SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual plan 1992-93	Anticipated Benefits (in units) 1992-93	Remarks specifically environmental measures/Costs
Actual Expenditure	Anticipated Expendi- ture	Approved Outlay		
10	11	12	13	14
—	8.00	8.00	—	—
14.00	—	—	—	—
—	—	—	—	—
—	30.00@	25.00	—	—
5.94	—	—	—	—
—	10.00	10.00@	—	—
—	40.00	30.00@	—	—
—	40.00	45.00@	—	—
1.00	2.00	2.00	—	—
—	—	18.00	—	—
—	—	—	—	—
—	—	—	—	—
—	—	10.00	—	—
—	—	2.00	—	—
—	—	—	—	—
—	—	—	—	—
20.94	130.00	150.00	—	—

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A 3. Critical ongoing Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and location of the schemes	Commencement year	Estimated cost		Cummu- lative Expenditure up to end of 7th plan	Up to the end of Seventh plan	
				Critical	Revised		Capacity creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Youth Welfare Programme for students</b>	<b>102</b>							
SY 1.12 Youth festivals and awards		—	—	—	—	4.32	—	—
SY 1.13 Teacher Training Camps		—	—	—	—	0.92	—	—
SY 1.14 Youth leadership, Training Hikiings/Trekking/ Mountaneering Camps		—	—	—	—	9.11	—	—
SY 1.15 Grant-in-aid for Schools and College Youth Clubs		—	—	—	—	3.42	—	—
SY 1.16 Inter-State Tours		—	—	—	—	4.32	—	—
SY 1.17 Celebration of National Youth Day/Week		—	—	—	—	0.65	—	—
SY 1.18 National Service Scheme (State share)		—	—	—	—	116.38	—	—
Total (102)		—	—	—	—	139.12	—	—
<b>Youth Welfare Programme for Non-Students</b>	<b>103</b>							
SY 1.19 Youth Festivals and awards		—	—	—	—	4.28	—	—
SY 1.20 Youth leadership Training Hiking/Trekking/Mountaineering camps		—	—	—	—	9.07	—	—
SY 1.21 Establishment of Village@ Youth Clubs		—	—	—	—	5.73	—	—
SY 1.22 Inter-State Tours		—	—	—	—	4.31	—	—
SY 1.23 Celebration of National Youth day/week		—	—	—	—	0.63	—	—
SY 1.24 Centre for training and employment of border youth		—	—	—	—	500.00	—	—
SY 1.25 Establishment of Yuva Bhawan		—	—	—	—	—	—	—
Total (103)		—	—	—	—	524.02	—	—
<b>Sports and Games</b>	<b>104</b>							
SY 2.1 Sports wings in Govt. Colleges		—	—	—	—	15.81	—	—
SY 2.2 Coaching Scheme		—	—	—	—	15.26	—	—
SY 2.3 Competition schemes		—	—	—	—	12.50	—	—
SY 2.4 Sports scholarships		—	—	—	—	7.65	—	—
SY 2.5 Purchase of sports equipment		—	—	—	—	123.55	—	—
SY 2.6 Grant-in-aid to the Punjab Sports Council for the Construction of Sports Complexes		—	—	—	—	792.22	—	—
SY 2.7 Sports Hostels		—	—	—	—	28.85	—	—
SY 2.8 Establishment of SPDA Centres		—	—	—	—	—	—	—
SY 2.9 Establishment of Hockey Academy at Jalandhar		—	—	—	—	—	—	—
SY 2.10 Providing of Sports Complexes/ Play grounds in villeges		—	—	—	—	—	—	—
SY 2.11 Creation of Sports facilities at Block level		—	—	—	—	—	—	—
SY 2.12 Creation of Sports facilities at District level		—	—	—	—	—	—	—
SA 2.13 Modern Sports Complex at Mohali		—	—	—	—	—	—	—
Total (104)		—	—	—	—	995.84	—	—
Total (221220400)		—	—	—	—	1921.60	—	—

**III A.**  
**FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS**  
**as on 31st March, 1992**

Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in Units)	Remarks specifically Environmental Measures/Costs
Actual Expenditure	Actual Expen- diture		1992-93 plan	
10	11	12	13	14
1.20	2.25	2.70	—	—
0.30	0.60	0.70	—	—
2.50	3.50	4.20	—	—
0.60	—	2.40	—	—
0.75	2.00	2.40	—	—
0.15	0.50	0.75	—	—
4.00	19.50	40.00	—	—
9.50	28.35	53.15	—	—
1.20	2.25	2.70	—	—
2.50	3.50	4.20	—	—
9.86	10.00	12.00@	—	—
0.75	2.00	2.40	—	—
0.10	0.50	0.75	—	—
300.00	—	700.00	—	—
—	10.00	72.00	—	—
314.41	28.25	794.05	—	—
—	—	1.00	—	—
8.37	10.50	12.00	—	—
0.52	8.00	10.00	—	—
—	—	2.00	—	—
4.25	7.50	10.00	—	—
181.10	20.00	20.00	—	—
—	—	—	—	—
—	8.00	13.00	—	—
—	2.00	2.00	—	—
—	20.00	20.00	—	—
—	20.00	20.00	—	—
—	14.00	21.00	—	—
—	15.00	20.00	—	—
194.24	125.00	151.00	—	—
539.09	312.85	1160.60	—	—

## A3. Critical on going Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and location of the Scheme	Commen- cement Year	Estimated Costs		Cumm- lative expen- diture upto end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Art and Culture</b>	<b>221220500</b>							
<b>Direction and Administration</b>	<b>001</b>							
AC 1.1 Strengthening of techni- cal and administrative staff wings (Art and Culture)		—	—	—	—	0·12	—	—
AC 1.2 Strengthening of techni- cal and administrative staff wings (Archaeology)		—	—	—	—	0·13	—	—
AC 1.3 Strengthening of techni- cal and administrative staff wings (Museum)		—	—	—	—	0·13	—	—
AC 1.4 Strengthening of technical and administrative staff wings (Archives)		—	—	—	—	—	—	—
Total (001)		—	—	—	—	0·38	—	—
<b>Promotion of Art and Culture</b>	<b>102</b>							
AC 1.5 Revival of Folk songs/ dances		—	—	—	—	17·00	—	—
AC 1.6 Sponsoring of cultural troups and candidates		—	—	—	—	14·50	—	—
AC 1.7 Grant-in-aid to the in- stitutions engaged in the promotion of Art and Culture		..	—	—	—	18·29	—	—
AC 1.8 Holding of musical and Cultural festivals, melas, seminars and conferences		..	—	—	—	21·62	—	—
AC 1.9 Grant-in-aid to Zonal Culture centre, Patiala		—	—	—	—	100·00	—	—
AC 1.10 Punjabi culture centre, Delhi		—	—	—	—	—	—	—
AC 1.11 Preparation of Video Cassette for preservation and projection of Punjab Culture Heritage		—	—	—	—	10·50	—	—
AC 1.12 Promotion of Punjabi Films/Tele Films		—	—	—	—	—	—	—
AC 1.13 Setting up of Mobile Cultural Unit		—	—	—	—	—	—	—
Total (102)		—	—	—	—	181·91	—	—

## III A-3

## PLAN 1992-93—PROPOSALS FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lacs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In Units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expenditure	Anti- cipated Expen- diture	Approved Outlay		
10	11	12	13	14
—	—	1.00	—	—
—	—	1.00	—	—
—	0.20	2.00	—	—
—	00.6	1.00	—	—
—	0.26	5.00	—	—
4.99	2.00	—	—	—
—	—	—	—	—
35.00	7.00	7.00	—	—
9.99	45.00	43.00	—	—
—	—	—	—	—
—	—	—	—	—
—	—	—	—	—
—	—	5.00	—	—
—	—	—	—	—
49.98	54.00	55.00	—	—

## ANNUAL PLAN 1992-93 PROPOSALS

## A 3. Critical ongoing Schemes

Particulars	Code No. Major Head Minor Head	Nature and lo- cation of the Scheme	Commencement year	Estimated cost		Cumulative expenditure up to the end of 7th Plan	Up to the end of Seventh Plan	
				Critical	Revised		Capacity creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Archaeology</b>	<b>103</b>							
AC 2.1 Conservation/Preservation, land scaping and beautification of ancient and historical monuments		—	—	—	—	141.00	—	—
AC 2.2 Chemical Conservation of Paintings		—	—	—	—	5.30	—	—
AC 2.3 Excavation and exploration and publication of archaeological report		—	—	—	—	20.68	—	—
AC 2.4 Modernisation of Chemical conservation laboratory		—	—	—	—	11.00	—	—
AC 2.5 Strengthening of reference Library		—	—	—	—	2.59	—	—
Total (103)		—	—	—	—	180.57	—	—
<b>Archives</b>	<b>104</b>							
AC 3.1 Modernisation and preservation of archives		—	—	—	—	0.34	—	—
AC 3.2 Setting up of Cell at Amritsar for material relating to Maharaja Ranjit Singh		—	—	—	—	—	—	—
AC 3.3 Modernisation of preservation techniques		—	—	—	—	26.79	—	—
AC 3.4 Strengthening of State Archives Library		—	—	—	—	1.90	—	—
AC 3.5 Construction of Archival building		—	—	—	—	—	—	—
AC 3.6 Management of Records		—	—	—	—	—	—	—
AC 3.7 Maintenance of micro filming and editing of records/documents		—	—	—	—	—	—	—
AC 3.8 Development of Archive galleries		—	—	—	—	—	—	—
Total (104)		—	—	—	—	29.03	—	—
<b>Public Libraries</b>	<b>105</b>							
AC 4.1 (i) Establishment and strengthening of district libraries [DPI (C)]		—	—	—	—	24.28	—	—
(ii) Cultural Activities		—	—	—	—	—	—	—
Total (105)		—	—	—	—	24.28	—	—

## III A.3

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks specifically environmental Measures/Costs
Actual expdr.	Actual expenditure			
10	11	12	13	14
34.72	5.00	10.00	—	—
0.29	0.50	1.00	—	—
7.65	8.00	8.00	—	—
—	1.00	1.00	—	—
1.00	1.00	1.00	—	—
43.66	15.50	21.00	—	—
—	0.02	1.00	—	—
—	0.02	0.40	—	—
1.67	3.90	4.00	—	—
0.50	0.75	0.40	—	—
—	18.00	70.00	—	—
—	—	—	—	—
0.37	—	2.00	—	—
—	0.19	0.20	—	—
2.54	22.88	78.00	—	—
8.62	15.60	32.00	—	—
—	2.00	2.00	—	—
8.62	17.60	34.00	—	—



ANNEXURE III  
ANNUAL PLAN 1992-93 PROPOSALS  
A 3. Critical ongoing Schemes

Particulars	Code No. Major Head/ Minor Head	Nature and loca- tion of the Scheme	Commence- ment year	Estimated cost		Cummulative Expendi- ture up to 7th Plan	Up to the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Museums</b>	<b>107</b>							
AC 5.1 Museum Publication		—	—	—	—	5.00	—	—
AC 5.2 Renovation/Improvement and display in Museums/galleries		—	—	—	—	55.20	—	—
AC 5.3 Opening of new Museums		—	—	—	—	—	—	—
AC 5.4 Setting up of Cultural museums, Research and reference library		—	—	—	—	—	—	—
Total (107)		—	—	—	—	60.20	—	—
<b>Other Expenditure</b>	<b>800</b>							
AC 6.1 Purchase of modern machinery and equipment for Archaeology and Museum		—	—	—	—	9.50	—	—
Total (800)		—	—	—	—	9.50	—	—
Total (221220500)		—	—	—	—	485.87	—	—
<b>Technical Education</b>	<b>220300</b>							
<b>I. (i) Direction and Administration</b>	<b>001</b>							
TE 1.1 Strengthening of Directorate		—	—	—	—	15.61	—	—
(ii) Training schemes		—	—	—	—	—	—	—
TE 1.2 Development of Special Trade Institutions		—	—	—	—	107.18	—	—
Total (001)—I		—	—	—	—	122.79	—	—
<b>II. Private Engineering Colleges</b>	<b>104</b>							
TE 1.3 Introduction of new courses/Institutions		—	—	—	—	48.84	—	—
(i) 5 new Engineering Colleges through grant-in-aid		—	—	—	—	—	—	—
(ii) Revision of staff structure		Ludhiana	1990-91	—	—	—	—	—
Total (104)—II		—	—	—	—	48.84	—	—

A. 3

## FOR SPILL OVER AND ON GOING PROGRAMMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units 1992-93	Remarks specifically Environmental measures/ Costs
Actual Expd.	Anticipated Expen- diture	Approved Outlay		
10	11	12	13	14
—	2.00	2.00	—	—
12.56	4.00	5.00	—	—
—	10.00	30.00	—	—
—	1.00	20.00	—	—
12.56	17.00	57.00	—	—
2.00	1.00	3.00	—	—
2.00	1.00	3.00	—	—
119.36	128.24	253.00	—	—
—	—	—	—	—
54.93	105.00	224.00	—	—
54.93	105.00	224.00	—	—
—	—	—	—	—
—	—	2.00	—	—
—	2.00	8.00	—	—
—	2.00	10.00	—	—

ANNEXURE-  
ANNUAL PLAN 1992-93 PROPOSALS  
A-3—Critical Ongoing Schemes

Particulars	Code No. Major Head/ Minor head	Nature and location of the Scheme	Commence- ment Year	Estimated Cost		Cumulative Expendi- ture upto the end of 7th Plan	Upto the end of Seventh Plan	
				Original	Revised		Capacity Creation	Utilisa tion
1	2	3	4	5	6	7	8	9
<b>III. Government Polytechnics 105</b>								
TE 1.4 Production-cum- Training Centre at Govern- ment Polytechnic, Amritsar		Amritsar	1989-90	—	—	1.05	—	—
TE 1.5 Service-cum-Training Centre at Government Polytechnic, Batala		Batala	1989-90	—	—	0.28	—	—
TE 1.6 Setting up of new Government Polytechnics in the State								
(i) Government Polytechnic, Bhatinda		Bhatinda	1982-83	—	—	301.93	—	—
(ii) Government Polytechnic for Women, Patiala		Patiala	—	—	—	160.62	—	—
(iii) Govt. Poly. Ferozepur		Ferozepur	—	—	—	—	—	—
(iv) 5 new Institutes of emerging Technology			—	—	—	—	—	—
TE 1.7 Introduction of new Courses—						144.37	—	—
(i) Commercial Practice at Govt, Poly. at Amritsar			—	—	—	19.13	—	—
(ii) Pharmacy at Amritsar			—	—	—	18.25	—	—
(iii) Computer Engg. at G.P. Bhatinda		Bhatinda	—	—	—	—	—	—
(iv) Post diploma course in Computer Application			—	—	—	—	—	—
TE 1.8 Providing separate feeder to each Government Polytechnic			—	—	—	3.47	—	—
Total—III				—	—	649.10	—	—
<b>IV. Private Polytechnics 105</b>								
TE 1.9 Introduction of new courses/ Institutions			—	—	—	55.90	—	—
(i) Revision of staff structure			—	—	—	15.26	—	—
(ii) Diploma in Electronics and Communication Engg. at Ramgarhia Poly. Phagwara		Phagwara	—	—	—	—	—	—
(iii) Post diploma in Computer Application			—	—	—	—	—	—
(iv) 5 new poly. through grant-in-aid			—	—	—	—	—	—
Total— IV				—	—	71.16	—	—

## III-A

## FOR SPILL OVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units) 1992-93	Remarks (Specifically Environ- mental/Measures/ costs)
Actual Expendi- ture	Anticipated Expenditure	Approved Outlay		
10	11	12	13	14
—	0.10	3.00	—	
—	0.10	3.00	—	
—	46.00	5.00	—	
44.54	190.00	200.00	—	
—	7.00	15.00	—	
—	—	5.00	—	
—	—	—	—	
5.18	2.50	5.00	—	
—	3.00	5.00	—	
—	20.00	5.00	—	
—	—	10.00	—	
—	—	—	—	
49.72	268.70	256.00	—	
—	—	—	—	
—	5.00	50.00	—	
—	10.00	8.00	—	
—	—	10.00	—	
—	—	2.00	—	
—	15.00	70.00	—	

Particulars	Code No. Major Head/ Minor Head	Nature and Lo- cation of the Scheme	Commen- encement year	Estimated cost		Cumu- lative expendi- ture upto end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>V Govt. Engineering Colleges 102</b>								
TE 1-10	R.E.C. Jalandhar	Jalandhar	—	—	—	177.70	—	—
TE 1-11	Govt. Engg. College Bhatinda	Bhatinda	—	—	—	546.31	—	—
TE 1-12	Institute of Entrepreneurial Development and Management, Ludhiana	Ludhiana	—	—	—	0.33	—	—
TE 1-13	Longowal Institute of Engg. & Technology	Longowal	—	—	—	115.37	—	—
TE 1-14	National Institute of Pharma- ceutical and Research, Mohali	Mohali	—	—	—	—	—	—
TE 1-15	Five new degree level Institutions		—	—	—	—	—	—
Total (112)			—	—	—	839.71	—	—
<b>VI. Other Programmes 800</b>								
TE1-16	Modernisation/strengthen- ing of equipment in Govt. Polys		—	—	—	24.69	—	—
TE 1.17	Student amenities and Development of Campus		—	—	—	7.01	—	—
TE 1.18	Book Bank for Poor students		—	—	—	10.41	—	—
TE 1.19	Staff quarters in Govt. Polys.		—	—	—	0.75	—	—
TE 1.20	Scholarships		—	—	—	0.26	—	—
TE 1.21	Development of Libraries		—	—	—	—	—	—
TE 1.22	Examination		—	—	—	—	—	—
TE 1.23	Installation of tubewells		—	—	—	0.72	—	—
TE 1.24	Enhancement of main- tenance grant		—	—	—	—	—	—
Total (800)-- VI			—	—	—	43.84	—	—
Total (I+II+III+IV+ V+VI)			—	—	—	1775.44	—	—
World Bank Aided Project		1991-92	—	—	—	—	—	—
Grand Total			—	—	—	1775.44	—	—

## A-III

## FOR SPILLOVER AND ONGOING PROGRAMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs)
Actual Expendi- ture	Anticipated expenditure			
10	11	12	13	14
98.65	395.00	143.00	—	
274.46	831.90	300.00	—	
50.00	50.00	100.00	—	
32.76	200.00	50.00	—	
—	567.00	—	—	
—	—	10.00	—	
455.87	2043.90	603.00	—	
19.93	—	10.00	—	
20.00	16.00	—	—	
—	—	—	—	
—	—	—	—	
—	—	—	—	
20.00	10.00	10.00	—	
—	—	—	—	
—	—	5.00	—	
—	—	—	—	
59.93	26.00	25.00	—	
620.45	2460.60	1188.00	—	
—	1460.82	3011.00	—	
620.45	3921.42	4199.00	—	

ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS FOR  
A. Critical on going

Particulars	Code No./Major Head/Minor Head	Nature and Location of the scheme	Commencement year	Estimated Cost		
				Original	Revised	
1	2	3	4	5	6	
<b>105—Allopathy—D.R.M.E.</b>						
MD 5.1	Strengthening of the O/o D.R.M.E.	.. Entire State	1990-91	—	—	
MD 5.2	Expansion and Improvement of Medical College, Amritsar	.. Do	Do	—	—	
MD 5.3	Expansion and Improvement of Medical College, Patiala	Do	Do	—	—	
MD 5.4	Expansion and Improvement of G.G.S. Medical College, Faridkot including opening of Pharmacist and Lab. Technician Course	Do	Do	—	—	
MD 5.5	Expansion and Improvement of Dental College and Hospital, Amritsar	Do	Do	—	—	
MD 5.6	Expansion and Improvement of Dental College and Hospital, Patiala	Do	Do	—	—	
MD 5.7	Expansion and Improvement of Library in Medical/Dental Colleges	Do	Do	—	—	
MD 5.8	Grant for Applied Research	.. Do	Do	—	—	
MD 5.9	Re-orientation of Medical Education	.. Do	Do	—	—	
MD 5.10	Expansion and Improvement of S.G.T.B. Hospital, Amritsar including CAT Scanning Machine	Do	Do	—	—	
MD 5.11	Expansion and Improvement of Rajindra Hospital, Patiala including CAT Scanning Machine	Do	Do	—	—	
MD 5.12	Expansion and Improvement of G.G.S. Medical College, Faridkot including installation of CAT Scanning Machine	Do	Do	—	—	
MD 5.13	Expansion and Improvement of T.B. Sanatorium, Amritsar	Do	Do	—	—	
MD 5.14	Expansion and Improvement of T.B. Centre, Patiala	.. Do	Do	—	—	
MD 5.15	Setting up of School of Nursing at G.G.S. Medical College, Faridkot	Do	Do	—	—	
MD 5.16	Setting up of B.Sc. Nursing College at Medical Colleges, Amritsar and Patiala	Do	Do	—	—	
MD 5.17	Training of Staff for Medical Colleges and Hospital attached for maintenance of equipment	Do	Do	—	—	
Total				..	—	—
<b>Director Health &amp; Family, Welfare (DHS)</b>						
PH 1.1	Employees State Insurance Scheme	.. State Scheme	—	—	—	
PH 1.2	Strengthening of School Health Clinics amongst School children	Do	—	—	—	
PH 1.2(a)	Intensive Dental Health Care Programme for School Children, Teachers and Public	Do	—	—	—	
*PH 1.3 (a)	Opening of New Dispensaries in Urban Slum Area	Distt. Scheme	—	—	—	
*PH 1.3 (b)	Strengthening of existing Dispensaries/Institutions in Medium Towns	Do	—	—	—	
*PH 1.5	Upgradation/Strengthening of existing Hospitals	.. Do	—	—	—	
*PH 1.8	Opening of Psychiatric Clinics at Distt. Level Hospitals	Do	—	—	—	
*PH 1.9	Estt. of Physio-therapy Units at Distt. level Hospitals	.. Do	—	—	—	
*PH 1.10	Blood Transfusion Service in State Sub-divisional Hospitals	Do	—	—	—	

## III A

## SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lacs)

Cumulative Exp. upto end of 7th Plan	Upto the end of 7th Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units)	Remarks (Specifically Environmental Measures/ Costs
	Capacity Creation	Utilisation	Actual Exp.	Anti- Exp.	1992-93		
7	8	9	10	11	12	13	14
1.27	—	—	0.68	1.90	3.50	—	—
38.51	—	—	1.86	29.80	100.00	—	—
67.25	—	—	21.95	68.55	150.00	—	—
622.80	—	—	97.33	151.00	200.00	—	—
18.37	—	—	8.65	10.25	17.00	—	—
82.05	—	—	41.47	106.15	90.00	—	—
64.29	—	—	19.42	40.00	40.00	—	—
8.82	—	—	2.00	2.00	2.00	—	—
29.92	—	—	6.70	5.00	5.00	—	—
204.53	—	—	197.47	140.00	200.00	—	—
309.36	—	—	9.99	196.85	185.00	—	—
159.17	—	—	32.00	180.00	80.00	—	—
25.94	—	—	4.11	3.90	10.00	—	—
16.72	—	—	12.23	8.95	20.00	—	—
—	—	—	4.16	23.00	60.00	—	—
—	—	—	2.00	14.60	70.00	—	—
—	—	—	—	5.00	17.50	—	—
1649.00	—	—	462.02	986.95	1250.00	—	—
44.87	—	—	5.00	—	5.00	—	—
43.11	—	—	0.06	10.00	10.00	—	—
—	—	—	—	—	25.00	—	—
22.41	60.00	60.00	—	19.00	20.00	—	—
—	—	—	—	18.00	30.00	—	—
151.55	—	—	137.48	—	5.00	—	—
0.17	—	—	—	6.50	10.00	—	—
17.24	—	—	4.10	8.50	13.00	—	—
17.24	—	—	15.29	—	10.00	—	—



ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS FOR  
A. Critical on going

Particulars	Code No. /Major Head/Minor Head	Nature and Location of the scheme	Commencement year	Estimated Cost	
				Original	Revised
1	2	3	4	5	6
*PH 1·11	Providing Independent feeders to Hospitals	provide continued light in Distt. scheme	—	—	—
*PH 1·12	Providing of Generator Sets at Distt. and other important Hospitals	Do	—	—	—
*PH 1·13(a)	Providing of Solar Water Heating Pannels in Hospitals	Do	—	—	—
PH 1·18	Improvement of Punjab Mental Hospital, Amritsar	.. State-Sch. at Amritsar	—	—	—
*PH 1·19	Providing of Mortuary Vans at Distt. H.Q. Hospitals	.. Distt. Sch. at Hospital Level	—	—	—
*PH 1·21	Removal of short comings in existing Distt. Sub-Divisional and other hospitals	Do	—	—	—
*PH 3·1 (a)	Opening of New Sub-Centres MPW Schemes /Strengthening of Sub-Centres	Do	—	—	—
*PH 3·2(a)	Construction of Housing Colony in selected blocks of state for Drs. and for Para Medical Staff	Do	—	—	—
*PH 3·2 (b)	Grant-in-aid for construction of buildings for sub-centres PHCs and CHCs	Do	—	—	—
*PH 3·5	Estt. of New PHCs/Upgradation of existing SHCs to PHCs.	Do	—	—	—
*PH 3·5 (iii)	Providing of Telephone facilities at 460 PHCs.	.. Do	—	—	—
*PH 3·5 (iv)	Estt. of Mobile Med. Teams in Border Areas (40 Teams)	Distt. Sch. in border area belt	1990-91	—	—
PH 3·5 (v)	Estt. of Model PHC in one block in each District	.. Distt. Scheme	—	—	—
PH 3·6	Continuing Education of PHC/RHS (50:50 S.B.)	.. State Sch. rural areas	Since 7th plan	—	—
*PH 3·7	Estt. of CHCs	.. Distt. scheme	Since 6th plan	—	—
*PH 3·9 (a)	Estt. of Dental Clinics/Strenghtneing/removing of shortcomings in the existing Dental Clinics	Distt. Sch.	—	—	—
PH 3·11	Provision of additional Lab. Technician at each PHC 50:50 S.B.	State Sch.	—	—	—
PH 6·1 (a)	Training of Doctors in Hospital management and Admn. participation in various pre-services/in service Trg. courses	Do	—	—	—
PH 6·1 (c)	Training of Dental Officers at advanced Trg. course Mohali	.. Do	—	—	—
PH 6·2	National Malaria Eradication Programme (Rural) 50 : 50 S.B.	.. State Scheme	—	—	—
PH 6·3	National Malaria Eradication Programme (Urban)(50:50 S.B.)	.. Do	—	—	—
PH 6·4	National T.B. Control Programme (50:50 Sharing Basis)	.. Do	—	—	—
PH 6·5	National Programme for Control of Blindness—Opening of District Eye Mobile Hospitals	.. Do	—	—	—
PH 6·6	Expansion of Immunisation Programme	.. Do	—	—	—
PH 6·7	Hospital Treatment of Diarroheal diseases by Oral Rehydration therapy	Do	—	—	—

## III A

## FOR SPILL OVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs in lakhs)

Cumulative Exp. upto 7th Plan	Upto the end of the 7th Plan		Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units)	Remarks Specifically Environmental Measures/ Costs
	Capacity Creation	Utilis- ation	Actual Expd.	Anticipated Expen- diture	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
—	—	—	—	10.00	13.00	—	—
17.62	—	—	—	10.00	13.00	—	—
12.50	—	—	—	5.00	7.00	—	—
5.08	—	—	—	35.00	35.00	1	—
—	—	—	—	5.75	9.50	3	—
185.74	—	—	253.39	15.00	5.00	—	—
243.87	—	—	78.00	78.00	190.00	—	—
121.66	5704	5704	145.33	50.00	145.00	—	—
—	—	—	—	52.37	50.00	—	—
510.79	1650	1650	40.70	200.00	225.00	—	—
—	40	40	—	13.00	17.00	—	—
—	—	—	89.64	93.00	5.00	—	—
—	—	—	86.30	10.00	—	—	—
1.00	—	—	0.14	1.15	7.50	—	—
357.69	360	360	112.91	100.00	165.50	—	—
29.61	—	—	39.67	12.00	15.00	—	—
30.11	460	060	—	18.40	26.00	—	—
8.60	—	—	—	0.50	10.00	—	—
—	—	—	—	5.00	6.00	—	—
1437.05	—	—	236.45	195.75	170.00	—	—
222.50	—	—	56.83	75.00	50.00	—	—
90.81	—	—	0.28	48.00	54.00	—	—
37.22	—	—	—	7.80	13.00	—	—
—	—	—	—	10.00	13.00	—	—
12.10	—	—	0.97	3.00	4.00	—	—

Particulars	Code No. Major Head/Minor Head/Schemes	Nature and location of the Scheme	Commencement year	Estimated cost	
				Original	Revised
1	2	3	4	5	6
PH 6.9	Strengthening of Drug Control/Standard Organisation/ strengthening of Drug Testing Lab.	State scheme	—	—	—
*PH 6.11	Strengthening of Food Lab.	Do	—	—	—
PH 6.11(a)	Revamping of Emergency Services in the State	Do	—	—	—
PH 6.11(c)	Providing of better modern equipment for major hospitals	Do	—	—	—
PH 6.11(c)	Establishment of Intensive Care Units in district hospitals	Do	—	—	—
PH 6.12	Strengthening of State Health and District Lab.	Do	—	—	—
PH 6.13(a)	Strengthening of State Excise Lab.	Do	—	—	—
*PH 6.16	Grant of Additional incentives/compensation out of the State's funds to acceptors of sterilisation	District Scheme	7th Plan	—	—
PH 6.17 (i)	World Bank Assistance Project Training for Man Power Development	Statement Scheme	Do	—	—
*PH 6.18	Establishment of Health Equipment and maintenance repair units	Do	Do	—	—
PH 6.19(a)	Establishment of Cell for Monitoring and Co-ordination of Plan and NonPlan Programme being implemented by D.H.S.	Do	—	—	—
PH 7.3 (a)	Management Information System	Do	Do	—	—
PH 7.3 (b)	Medical Record Unit	Do	Do	—	—
PH 7.4	Creation of Training leave Reserve Post of Doctors	Do	Do	—	—
*PH 7.5	Completion and improvement in buildings of department not owned by PWD.	Do	Do	—	—
*PH 7.2	Prophylaxis against nutritional Anemia in young girls	Do	Do	—	—
*PH 7.9	Self employment for doctors & Para Medical Staff	Do	Do	—	—
*PH 7.10	Mobile Team for Disaster management	District scheme	1991-91	—	—
*PH 7.11	Special Economic Package-Human Resource develop- ment in three border district of the State for delivery of Health care facilities of the State	State scheme	—	—	—
PH 7.15	Staff Component of District Plan Scheme	Entire State	Do	—	—
Total		Do	Do	—	—
<b>101—Ayurveda :</b>					
AY 2.1	Strengthening of State Headquarter	Do	Do	—	—
AY 2.2	Strengthening of District Headquarter Staff	Do	Do	—	—
*AY 2.3	Upgradation of Ayur. Dispensaries into Swastha Kendras	Do	Do	—	—
*AY 2.4	Establishment of 10 bedded Hospitals	Do	Do	—	—
*AY 2.5	National Health Programme Implementation through Ayurveda	Do	Do	—	—
AY 2.6	Upgradation of Government Ayurvedic Hospitals, Patiala	Do	Do	—	—
AY 4.3	Upgradation of Government Ayurvedic College, Patiala into Institute of Higher Studies in Ayurvedics Establishment of 12 independent departments under the promotion of under graduate education	Do	Do	—	—
AY 4.5	Expansion and Augmentation of Ayurvedic medicines in the Government Central Pharmacy Store, Patiala	Do	Do	—	—
Total		—	—	—	—
<b>102—Homoeopathy :</b>					
HM 2.1	Strengthening of Headquarter Staff	Entire State	1990-91	—	—
HM 2.2	Provision of staff at District Level Dispensaries	Do	Do	—	—
HM 2.3	Opening of Homoeopathic dispensaries in the State	Do	Do	—	—
HM 2.4	Strengthening of Existing Dispensaries	Do	Do	—	—
HM 2.5	Publication of Homoeopathic Literature in Regional Language	Do	Do	—	—
HM 2.6	State Institute of Homoeopathic Education and Research	Do	Do	—	—
HM 2.7	Establishment of Mobile Homoeopathic units	Do	Do	—	—
Total		—	—	—	—
Grand Total		—	—	—	—

\*Indicates District Level Schemes.

## III—A

## FOR SPILLOVER AND ON GOING PROGRAMMES PROJECTS

Schemes as on 31-2-1992

(Rs in lakhs)

Cumulative Exp. upto 7th Plan	Upto the end of 7th the Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in Units 1992-93)	Remarks (Specifically environmental Measures/ Costs)
	Capacity creation	Utili- sation	Actual Expen- diture	Anticipated Expendi- ture	App- proved Outlay		
7	8	9	10	11	12	13	14
—	—	—	—	2.00	13.00	—	—
—	—	—	8.16	3.50	4.00	—	—
—	—	—	34.28	1276.00	900.00	—	—
—	—	—	—	400.00	—	—	—
35.26	—	—	9.70	—	—	—	—
0.20	—	—	—	—	5.00	—	—
19.53	—	—	3.92	—	—	—	—
278.52	—	—	41.85	70.00	70.00	—	—
—	—	—	16.36	120.00	140.00	—	—
—	—	—	—	3.00	4.00	—	—
—	—	—	—	—	—	—	—
—	—	—	6.00	5.00	6.50	—	—
—	—	—	4.50	2.00	6.50	—	—
—	—	—	—	—	—	—	—
—	—	—	259.48	100.00	100.00	—	—
4.50	—	—	15.05	5.00	7.00	—	—
—	—	—	—	75.00	100.00	—	—
—	—	—	—	45.00	50.00	—	—
—	—	—	—	—	1.00	—	—
—	—	—	—	186.50	237.00	—	—
4194.46	82.74	82.74	1701.84	3408.72	3020.50	—	—
26.53	—	—	1.00	0.30	5.00	—	—
47.46	—	—	2.25	0.50	5.00	—	—
—	—	—	9.00	9.50	18.00	—	—
—	—	—	2.00	1.50	13.00	—	—
—	—	—	14.08	—	10.00	—	—
—	—	—	—	0.50	2.00	—	—
—	—	—	—	0.50	5.00	—	—
18.45	—	—	—	3.00	35.00	—	—
92.44	—	—	28.33	15.80	93.00	—	—
9.12	—	—	—	1.50	2.00	—	—
8.00	—	—	—	2.00	10.00	—	—
86.60	—	—	1.52	16.00	52.00	—	—
—	—	—	2.27	10.00	5.00	—	—
—	—	—	1.00	3.00	2.00	—	—
—	—	—	—	1.00	25.00	—	—
—	—	—	—	4.00	9.00	—	—
103.72	—	—	4.79	37.50	105.00	—	—
803.71	82.74	82.74	2196.98	4448.97	4468.50	—	—

Particular	Code No. Major Head/ Minor Head/ Schemes	Nature and location of the Scheme	Commence- ment year	Estimated Cost	
				Original	Revised
1	2	3	4	5	6
<b>Printing and Stationery</b>					
<b>001—Direction and Administration</b>					
1. PT 1.1	Strengthening of Stationery, publication and form Section creating Inspection cell	State Scheme	—	—	—
<b>103—Govt. Press</b>					
2. PT 2.1	Machinery and equipment for Ticket Printing Press, Patiala	Do	—	—	—
3 PT 2.2	Machinery and equipment for Govt. Press, S.A.S. Nagar	Machinery Mohali	1992-93	518.75	518.75
4 PT 2.3	Staff (additional staff) and material required to run the Govt. Press, S.A.S. Nagar	Staff Mohali	1992-93	1085.50	1085.50
<b>Outlay on Public Works</b>					
5 PT 3.1	Construction of boundary wall around the Press building in low lying areas at S.A.S. Nagar by adding a similar block to the existing building	Construction Mohali	1992-93	782.68	782.68
6 PT 3.1 (a)	Construction of building and other important works at Patiala.	Construction Patiala	1992-93	407.20	407.20
<b>800—Other Expenditure</b>					
7 PT 3.2	Apprenticeship for typewriter Mechanics	Training Mohali	1992-93	8.12	8.12
8 PT 3.3	Instructor for imparting training to Typewriter Apprentices	Staff Mohali	1992-93	4.00	4.00
9 PT 3.4	Mechanics for Plain Electric Type-writer and Duplicating machine machines	—	—	—	—
Total				2806.25	2806.25

## FOR SPILLOVER AND ON GOING PROGRAMMES PROJECTS

as on 31st February, 1992

(Rs. in lakhs)

Cumulative Expenditure upto 7th plan	Upto the end of the 7th plan		Annual plan 1990-91	Annual plan 1991-92	Annual Plan 1992-93	Anticipated Benefits in Units	Remarks (Specially environmen- tal measure/ Costs
	Capacity Creation	Utilisation	Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
6.12	—	—	39.30	10.00	550.00	—	—
276.52	—	—	—	100.00	156.48	—	—
10.17	—	—	6.26	79.62	75.00	—	—
—	—	—	2.95	10.58	24.85	—	—
0.22	—	—	0.03	0.06	1.62	—	—
—	—	—	—	0.09	0.55	—	—
—	—	—	—	—	—	—	—
293.03	—	—	48.54	200.35	808.50	—	—

Particulars	Code No Major Head/ Minor Head	Nature and Location of the Scheme	Commence- ment Year	Estimated cost	
				Original	Revised
1	2	3	4	5	6
<b>Housing :</b>					
HG 1.1	For Government residential buildings at district/tehsil headquarters and at other places	Houses at Amritsar Ropar Hoshiarpur, Kapurthala, Patiala Faridkot, S.A.S. Nagar	1969-70	100.70	—
HG 1.2	For government employees at Chandigarh	Houses at Chd.	1969-70	941.00	336.75
HG 2.3 :	Low Income Group, Housing	Loans	1954-55	100.00	540.00
HG 2.4 :	Middle Income Group Housing	Loans	1954-55	70.00	330.00
HG 2.5 :	Loan to government servants	Loans			
	(i) For construction of houses			—	—
	(ii) For repair/purchase of plot/built up houses			—	—
HG 2.7 :	Village Housing Project scheme		1954-55	100.00	330.00
HG 2.8 :	Loan for construction of houses for Minister/Speaker/Deputy Speaker		—	—	—
HG 2.9 :	Loan for construction of houses for MLA's.		—	—	—
HG 3.1 :	Contribution of Housing Board				
	(i) For construction of houses	Houses	1974-75	500.00	240.00
	(iv) Acquisition of land for urban estates		—	—	—
HG 4.1	Houses for Police	Houses		—	—
	<b>Total</b>			<b>1811.70</b>	<b>1776.75</b>
<b>URBAN DEVELOPMENT</b>					
<b>UD—1: Urban Estates</b>					
(i) Development of Semi-develop- ment of land lying with the Deptt.		Development of land			
(ii) Development of un-developed land lying with the deptt.		Development of land			
(iii) Development of land to be acquired in 8th plan		Development of land			
(c) <b>Decretal liability</b>			1969-70	28000.00	3775.15
(i) Payment of enhanced compensa- tion etc.				3641.38	—
(ii) Payment of superstructure				—	—
(d) Land scaping works				—	—
(e) Augmentation of water supply Scheme at SAS Nagar				—	—
(f) Main Sewer line in Sector 71, SAS Nagar Mohali				—	—
<b>Total</b>				<b>28000.00</b>	<b>3775.15</b>
				<b>3641.38</b>	<b>—</b>

## IIIA

## PROPOSALS FOR SPILL OVER AND ONGOING PROGRAMES PROJECTS

March 1992

(Rs. in lakhs)

Cumulative expenditure up to end of 7th Plan	Upto the end of 7th Plan Capacity Creation	Utilisation	Annual plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits	Remarks (Specifically Environmental Measures/ Cost)
			Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
283.05	220 houses	—	33.81	56.00 HL 364.00 420.00	460.00**	180 Houses	—
835.37	694 houses	—	463.95	135.00 65.00 200.00	220.00	32 Houses	—
478.93	2300 houses	—	36.06	40.00	—	—	—
323.71	911 houses	—	56.67	80.00	—	—	—
1617.05	6614 houses	—	349.00	523.51	400.00	600 Loanees	—
373.53	—	—	150.00	226.49	200.00	130 houses	—
324.00	—	—	50.00	50.00	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
240.00	—	—	—	—	—	—	—
—	—	—	—	—	1000.00	—	—
1648.52	—	—	447.00	1000.00	1200.00	714 Houses	—
6124.16	—	—	1586.49	2540.00	3480.00	—	—
..	—	—	—	400.00	—	—	—
421.76	—	—	5180.00	200.00	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	200.00	—	—	—
47.50	—	—	—	—	—	—	—
7.50	—	—	—	25.00	—	—	—
50.00	—	—	—	50.00	—	—	—
—	—	—	—	125.00	—	—	—
—	—	—	—	—	—	—	—
526.76	—	—	5180.00	1000.00	—	—	—

\*\*Scheme partially transferred to the districts.



ANNEXURE  
ANNUAL PLAN 1992-93 PROPOSALS  
A.3 Critical on going Schemes

Particulars	Code No. Major Head Minor Head	Nature and Lo- cation of the Scheme	Commen- encement year	Estimated cost		Cumm- lative expendi- ture upto end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utilisation
1	2	3	4	5	6	7	8	9
UD-3—Town and Regional Plg.		Urban Dev.	—	—	—	—	—	—
UD-5—Integrated Dev. of Small and medium towns			—	—	—	1304·00	—	—
UD-6:—Environmental Improvement of slums			—	—	—	810·00	—	—
UD-8:—Grant-in-aid to MCs/ Corpn./MCs.—			—	—	—	—	—	—
(i) Development of Activities			} 1989-90	—	—	100·00	—	—
(ii) Pb. State Urban Renewal Project				—	—	—	—	—
UD-9:—Nehru Rozgar Yojna			—	—	—	—	—	—
UD-10:—Counter management Patiala Beyond NCR Region			—	—	—	—	—	—
UD-11:—Development of Mand Areas			—	—	—	—	—	—
UD-12, Setting up an Urban Development Authority			—	—	—	—	—	—
UD-13:—Low Cost Sanitation Rehabilitation of scavengers ..			—	—	—	—	—	—
Grand Total ..			—	—	—	4954·76	—	—
<b>URBAN WATER SUPPLY AND SEWERAGE</b>								
WR-1:—Financial Assistance to MCs —								
(i) Sewerage System of Bhatinda town		Bathinda	1986-87	—	—	—	—	—
Total ..			—	—	—	—	—	—
<b>OTHER PROGRAMMES</b>								
WS-6:—Setting up of Sewrage treatment plants		Amritsar	—	—	—	—	—	—
WS-7:—Low Cost Sanitation		24 towns	1985-86	—	—	—	—	—
Grand Total ..			—	—	—	—	—	—
<b>RURAL WATER SUPPLY</b>								
RWS-1:—(i) Rural Water Supply			1954	7488·32	—	17799·00	—	1800·00
(ii) Village having more than 5000 population			1991-92	1632·00	—	—	—	—
RWS-(i) Low Cost Sanitation			1985-86	3030·00	—	615·00	—	300·00
Total ..			—	12150·32	—	18414·00	—	2100·00

III A

## FOR SPILLOVER AND ONGOING PROGRAMES/PROJECTS

as on 31-3-1992

(Rs. in lakhs)

Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92 Anticipated Expenditure	Annual Plan 1992-93 Approved outlay	Anticipated benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs)
10	11	12	13	14
10.00	—	12.00	—	—
66.20	—	150.00*	—	—
165.00	174.25	175.00*	70000 persods	—
200.00	1330.98	3538.00*	—	—
3000.00	2349.00	2500.00*	1500	—
241.00	100.00	120.00	—	—
—	100.00	—	—	—
—	—	5.00	—	—
—	—	—	—	—
—	50.00	—	—	—
8862.20	5104.23	6500.00	—	—
—	150.00	150.00*	1 Town	—
—	150.00	150.00	1	—
10.00	10.00	25.00*	—	—
50.00	20.00	50.00*	—	—
60.00	30.00	75.00	—	—
1800.00	2299.00	2450.00*	260 Villages	—
340.00	340.00	350.00*	12 Villages	—
300.00	190.00	175.00*	7700	—
2440.00	2829.00	2975.00	—	—

\*Scheme transferred to the Distts.

Particulars	Code No. Major Head/ Minor Head/	Nature and Location of the Scheme	Commencement Year	Estimated Cost	
				Original	Revised
1	2	3	4	5	6
<b>Public Works</b>					
PW 3.1	(a) Divisional Officers/Distt. Teh. Complexes ..	Concerned Teh. Distt.,	..	6795.23	6795.23
	(b) Construction of Sales tax Check barrier at Shambu. ..	—	—	—	—
	(c) Construction of Buildings Complexes for Sales Tax Check Barrier ..	—	—	—	—
	(d) Construction of Addl. Complex for excise and Taxation Commissioner Officer Patiala ..	—	—	—	—
	(e) Strengthening of Revenue Administration & updation of land record ..	—	—	—	—
PW 3.2	Courts ..	—	—	306.67	306.67
PW 3.3	Patwar Khanas ..	—	—	—	—
	(i) Construction of Kanugo Circle-cum-record Offices in the State. ..	—	—	—	—
PW 3.4	Police Stations ..	—	—	—	—
PW 3.6	Circuit Houses/rest Houses ..	—	—	334.00	334.00
PW 3.7	Mini Sectt. building at Chandigarh ..	Chandigarh	—	—	—
Total ..		..	—	7435.90	7435.90
PW 3.5	Jails ..	—	—	—	—
<b>104. Housing Cooperatives</b>					
HG 5.1	(a) Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy ..	—	—	—	—
	(b) Grant to Cooperative House Building Societies/Housing Fed. for development of Housing Project sites in rural areas ..	—	1990-91	—	—
Total-104 ..		..	—	—	—

III—A  
SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992.

(Rs. in lacs)

Cumulative Expenditure up to end of 7th Plan	Upto the end of Seventh Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In Units)	REMARKS Specifically Environmental Measures/ costs.
	Capacity Creation	Utilisation	Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
—	—	—	—	449.95	521.00	—	—
741.43	—	—	—	7.00	—	—	—
—	—	—	—	40.00	—	—	—
—	—	—	—	8.00	—	—	—
—	—	—	—	391.18	100.00	—	—
56.23	—	—	—	75.00	100.00	—	—
40.00	—	—	41.41	15.00	86.00*	—	—
298.28	—	—	317.17	100.00	120.00*	—	—
324.78	—	—	—	85.00	90.00	—	—
77.28	—	—	67.13	164.21	183.00	—	—
1538.00	—	—	425.71	1335.34	1200.00	—	—
579.13	—	—	318.83	300.00	270.00	—	—
225.00	—	—	150.00	200.00	200.00	—	—
—	—	—	—	—	93.00	—	—
225.00	—	—	150.00	200.00	293.00	—	—

\*Schemes transferred to the district.

## ANNUAL PLAN 1992-93—PROPOSAL FOR

## A.3. Critical Ongoing Schemes

Particulars	Code No.	Major Head/Minor Head	Nature and Location of the Scheme	Commencement Year	Estimated Cost	
					Original	Revised
1	2		3	4	5	6
<b>WELFARE OF S.Cs. &amp; B.Cs.</b>						
<b>B-2. Completed Schemes as on 31-3-90 (Spill over liability)</b>						
Welfare of SCs and BCs 225 222500						
SC		Interest subsidy to SCs		—	—	—
SC		Issue of Yellow Cards		—	—	—
SC		(a) Medical and Engg. Books		—	—	—
		(b) Law Books		—	—	—
SC		Construction of an Advance ITI		—	—	—
SC		Grant to SC girls students studying in post-matric and post-graduates Classes		—	—	—
SC		(a) Coaching for IAS/PCS and Allied Services/LIC and Bank Services		—	—	—
SC		(b) Coaching for Stenography Classes		—	—	—
SC		Grant to Sweepers, Scavengers, Flayers and Tanners for the construction of Houses		—	—	—
SC		Grant to Vimukta Jatis for construction of Houses		—	—	—
SC		(i) Grant for the purchase of utensils for SC Dharamshalas		—	—	—
		(ii) Construction of Dharmshala/Chaupals		—	—	—
Total				—	—	—
<b>I ECONOMIC DEVELOPMENT</b>						
<b>(State schemes)</b>						
<b>(a) Welfare of S.Cs.</b>						
SC 1.1		Share Capital Contribution to PSCFC (State Share)	Rural/Urban	1971-72	—	—
		(i) Purchase of Agriculture land	Rural	1990-91	—	—
		(ii) Financing of Transport Vehicles	Rural/Urban	Do	—	—
		(iii) Setting up of Subsidiary Co. to undertake devices, ways and measures to improve the economic lot of leather workers	Rural/Urban	Do	—	—
		(iv) Matching Assistance for Staff and promotional activities	Urban	Do	—	—
		(v) Direct lending scheme (District Schemes)	Rural/Urban	1971-72	—	—
SC 10.1		Grant for the purchases of plot for Economic Ventures including commercial activities (To be implemented by PSCFC)	Rural/Urban		—	—
SC 16.1		Capital subsidy to PSCFC under Bank-ite-up loaning programme to below poverty line SCs	Rural/Urban	1990-91	—	—
SC 18.1		On the job training and guaranteed Employment to SCs	Rural/Urban	1990-91	—	—
Total					—	—

## III-A.

## SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31-3-1992

Cumulative Expenditure upto end of 7th Plan	Upto end of 7th Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In units)	Remarks (Specifically Environmental Measures/ Costs)
	Capacity Creation	Utilisation	Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
208.61	—	Dropped	—	—	—	—	—
1.00	—	Transferred to Rural Development	—	—	—	—	—
7.71	—	Non-Plan	—	—	—	—	—
3.00	—	Non-Plan	—	—	—	—	—
0.10	—	Transferred to ITI	—	—	—	—	—
57.60	—	Do	—	—	—	—	—
5.88	—	Adopted by GOI	—	—	—	—	—
9.33	—	Non-Plan	—	—	—	—	—
55.00	—	Dropped	—	—	—	—	—
29.00	—	Do	—	—	—	—	—
35.00	—	Do	—	—	—	—	—
112.55	—	Do	—	—	—	—	—
524.78	—	—	—	—	—	—	—
214.53	—	—	11.95	153.00	163.81	—	—
—	—	—	11.95	72.00	46.71	240 bens.	—
—	—	—	—	51.00	56.10	179 bens.	—
—	—	—	—	18.00	10.00	1 comp	—
—	—	—	—	12.00	—	—	—
—	—	—	—	—	51.00	1500 bens.	—
5.00	—	—	31.90	48.25	150.00	1000 bens.	—
—	—	—	789.24 (including Central Ass.)	850.00	1100.00	25000 bens.	—
—	—	—	65.52	162.00	180.00	3000 bens.	—
219.53	—	—	898.61	1213.25	1593.81	—	—

Particulars	Code No.	Major Head/Minor Head	Nature and Location of the Scheme	Commencement Year	Estimated Cost	
					Original	Revised
1	2		3	4	5	6
<b>STATE SCHEMES</b>						
(b) Welfare of BCs						
SC 4.1	Share	Capital contribution to BACKFINCO	Urban	1977-78	—	—
SC 13.1	Employment Oriented Career Agent	in collaboration with LIC	Urban	1990-91	—	—
<b>DISTRICT SCHEMES</b>						
SC 12.1	Capital subsidy	to BCs under Bank-tie-up loans	Rural/Urban	1985-86	—	—
SC 23.1	Advance Vocational Training	for self-employment to BCs in collaboration with ITI, Patiala	Urban	1990-91	—	—
Total (b)					—	—
Total I					—	—
<b>II. EDUCATION</b>						
<b>STATE SCHEMES</b>						
SC 2.2	(a)	Setting up of Residential Institute for IAS/PCS and Allied Services/Banking/LIC Services for Coaching to SCs (State Share)	Urban	1986-87	—	—
	(b)	Construction of Institute	Urban	1990-91	—	—
SC 2.4	Grant to students studying in Medical and Engg. Colleges		Urban	1983-84	—	—
SC 2.3	Hostel for boys/girls in Schools/Colleges (State Share)		Urban	1985-86	—	—
<b>DISTRICT SCHEMES</b>						
SC 5.1	Pre-matric scholarships to children of those engaged in unclean occupations (State Share)		Rural/Urban		—	—
SC 2.1	Free Books to SC Students (1 plus 2 Stages)		Rural/Urban		—	—
SC 11.1	Awards to SC Sports students (6—12 Classes)		Rural/Urban	1990-91	—	—
SC 17.1	Nursery School-cum-Creches in the localities of Safai Mazdoors		Rural/Urban	1990-91	—	—
SC 20.1	Reading Rooms in SC Dharamshala		Rural	1990-91	—	—
Total II					—	—
<b>III. HEALTH/ENVIRONMENT (DISTRICT SCHEMES)</b>						
SC 6.1	Environmental Improvement of SC Basties including drinking water units		Rural	1972-73	—	—
SC 9.1	One Electric Point Connection to SC Dharmshala		Rural	1986-87	—	—
SC 8.1	One Electric Point to every unelectrified SC household		Rural/Urban	1986-87	—	—
SC 7.1	Liberation of Scavengers (State Share)		—	—	—	—
SC 21.1	Assistance to SCs for the Development of manurial pits		Rural	1990-91	—	—
SC 21.1	Individual water borne latrines in rural areas		Rural	Do	—	—
SC 22.1	Integrated— Comprehensive programme for Socio-Economic Housing Development of S.Cs landless agriculture labours, sweepers, scavengers & others		Rural/Urban	Do	—	—
Total III					—	—
<b>IV. STATE SCHEMES</b>						
<b>Other Programme</b>						
SC 3.1	Removal of untouchability under programme for Implementation of PCR Act, 1955 (State Share)		Rural/Urban	1985-86	—	—
SC 15.1	Salary component		—	1991-92	—	—
Total IV					—	—
Total (I+II+III+IV)					—	—

III A  
PROPOSALS FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS  
as on 31-3-1992

Cumulative Expenditure upto end of 7th Plan	Upto the end of 7th Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (In units)	Remarks (Specifically Environmental Measures/ Costs)
	Capacity Creation	Utilisation	Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93	
7	8	9	10	11	12	13	14
60.00	—	—	126.02	80.00	98.00	1200 Unit	—
—	—	—	—	2.20	2.20	80 bens.	—
108.22	—	—	43.17	60.00	72.00	3600 Unit	—
—	—	—	—	1.40	2.00	80 bens.	—
168.22	—	—	169.19	143.60	174.20	—	—
387.75	—	—	1067.80	1356.85	1768.01	—	—
29.02	—	—	3.01	8.00	19.00	—	—
—	—	—	—	50.00	50.00	—	—
32.46	—	—	1.50	1.50	2.50	600 Students	—
4.60	—	—	1.50	1.50	2.50	1 Hostel	—
27.59	—	—	16.78	41.16	10.00	5 Hostels	—
1209.93	—	—	—	300.00	355.13	10 Lacs Students	—
15.59	—	—	25.00	27.20	27.20	9066 Students	—
—	—	—	28.00	30.00	33.60	46 Creches	—
—	—	—	15.00	20.25	20.00	800 Dharmshalas	—
1319.19	—	—	92.81	479.51	519.93	—	—
384.15	—	—	110.46	181.01	130.00	600 Basties	—
18.57	—	—	11.54	11.54	14.00	3043 Connection	—
122.00	—	—	260.00	60.00	72.00	27693 Connections	—
47.91	—	—	—	—	—	—	—
—	—	—	19.15	37.00	44.40	4140 bens.	—
—	—	—	60.00	57.00	125.00	4800 bens.	—
—	—	—	—	—	30.60 (Token Provision)	10,000 bens.	—
572.63	—	—	461.15	346.55	385.40	—	—
15.34	—	—	6.00	9.38	12.00	—	—
—	—	—	—	—	45.00	—	—
15.34	—	—	6.00	29.38	57.00	—	—
2819.89	—	—	1624.76	2423.39	2760.94	—	—



ANNEXURE  
ANNUAL PLAN 1992-93  
A-3 Critical on going

Particulars	Code No. Major head/ Head	Nature and Location of the scheme	Commence- ment year	Estimated	
				Original	Revised
1	2	3	4	5	6
<b>Social Security and Welfare 227 223600</b>					
SW 2·1 Scholarship to Handicapped	..	—	—	—	—
S.W. 4·1 Home for widows and Destitute Women	..	—	—	—	—
S.W. 5·1 Financial Assistance to riot affected Women	..	—	—	—	—
S.W. 5·2 Conversion of Trg. Centres for riot affected Women—PUNWAC	..	—	—	—	—
Total	..	—	—	—	—
<b>I. Direction and Administration</b>					
(STATE SCHEMES)					
SW 1·1 Research, Trg. Admn./Conference Workshop	..	Urban	1990-91	—	—
Total (I)	..	—	—	—	—
<b>ii. Welfare of Handicapped</b>					
(DISTRICT SCHEMES)					
SW 2·2 Supply of Prosthetic aid to Handicapped	..	—	—	—	—
SW 9·1 Financial Assistance to Disabled Persons	..	Rural/Urban	—	—	—
SW 10·1 (i) Braille Press/Library for blinds	..	Urban	—	—	—
SW 10·1 (ii) Const. of Institution Complex at Ludbiana	..	Do	—	—	—
SW 10·1 (iii) Marriage grant for visually handicapped	..	Rural/Urban	1990-91	—	—
SW 10·1 (iv) State Award to handicapped Sportsmen	..	Do	Do	—	—
Total II	..	—	—	—	—
<b>iii. Welfare of Children</b>					
(STATE SCHEMES)					
SW 3·1 Services for children in need of care (45:45)	..	Urban	1977-78	—	—
SW 3·2 Enforcement of Juvenile Justice Act, 1986	..	Urban	1989-90	—	—
(DISTRICT SCHEMES)					
SW 3·2 Construction of certified School	..	Urban	1983-84	—	—
SW 11·1 Financial Assistance to Dependent Children	..	Rural/Urban	—	—	—
SW 3·1 (ii) Setting up of Balgram for orphans and Destitute Children	..	Rural/Urban	1990-91	—	—
SE 3·5 — Assisted Home Work Scheme for Children of EWS Women—PUNWAC	..	Do	Do	—	—
SW 3·6 Day care centres for children of Working Women—PUNWAC	..	Do	Do	—	—
Total (iv)	..	—	—	—	—

III A.  
PROPOSALS FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1991-92.

(Rs. in lakhs)

Cumulative expenditure upto end of 7th Plan	Upto the end of 7th year		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (in units)		Remarks (Specifically Environmental/Measure costs)
	Capacity Creation	Utilisation	Actual Expenditure	Anticipated Expenditure	Approved Outlay	1992-93		
7	8	9	10	11	12	13		14
0.08	—	—	—	—	—	—		—
6.80	—	—	—	—	—	—		—
30.00	—	—	—	—	—	—		—
11.40	—	—	—	—	—	—		—
48.28	—	—	—	—	—	—		—
—	—	—	—	1.00	3.00	—		—
—	—	—	—	1.00	3.00	—		—
0.20	—	—	—	—	0.60	—		—
134.00	—	—	4.30	8.00	15.00	2500 persons		—
1.82	—	—	2.00	15.00	5.00	—		—
17.49	—	—	15.00	15.00	15.00	—		—
—	—	—	—	0.85	2.40	20 bens		—
—	—	—	—	0.38	1.00	100 bens		—
153.51	—	—	21.30	39.23	39.00	—		—
1.33	—	—	—	2.18	4.00	—		—
6.95	—	—	—	30.00	25.00	3 Homes		—
69.79	—	—	—	—	15.00	—		—
89.58	—	—	7.16	14.00	28.00	5200 bens		—
—	—	—	—	4.00	15.00	130 Children		—
—	—	—	—	3.20	3.00	600		—
—	—	—	—	13.75	3.03	640 Children		—
167.65	—	—	7.16	67.13	93.03	—		—

ANNEXURE  
ANNUAL PLAN 1992-93  
A-3 Critical on going

Particulars	Code No. Major head Minor Head	Natur and lo- cation of the scheme	Commen- cement year	Estimated cost	
				Original	Revised
1	2	3	4	5	6
<b>IV. Womens Welfare</b>					
(STATE SCHEMES)					
SW 3.7	Export Promotion Incentive to Women ..	Urban	1990-91	—	—
SW 4.2	Share Capital Contribution of PUNWAC 51 : 49 ..	Urban	1980-81	—	—
(DISTRICT SCHEMES)					
SW 4.3	Capital Subsidy to EWS Women under Bank tie up loans	Rural/Urban	—	—	—
SW 12.1	Financial Assistance to Widows and Destitute Women	Rural/Urban	—	—	—
Total (iv)				—	—
<b>V. Welfare of aged Destitute Persons</b>					
(DISTRICT SCHEME)					
SW 13.1	Old age Pension ..	Rural/Urban	—	—	—
Total (v)				—	—
<b>VI. Assistance to Vol. Organisation</b>					
(STATE SCHEMES)					
SW 6.1	Granti-in-aid to vol. Welfare organisation ..	—	—	—	—
Total (vi)				—	—
<b>VII. Assistance to Public Sector and other</b>					
(STATE SCHEMES)					
SW 7.1	Grant-in-aid to PGI for Blinds ..	Urban	—	—	—
SW 3.8	Salary component ..	—	1991-92	—	—
Total VII				—	—
Total (Social Welfare)				—	—
<b>Defence Services Welfare: 223 225001</b>					
(STATE SCHEMES)					
S.W.1.3	Interest Subsidy to Ex-servicemen	—	—	—	—
S.W.2.1	Employment programme for youth Affected by Recent Events- PUNWAC and Industry	—	—	—	—
O.S.W 1.1	Share Capital Contribution to PESCO	Urban	1980-81	—	—
O.S.W 1.2	Capital Subsidy to Ex Service- men under Bank tie up loans	Rural/Urban	1987-88	—	—
O.S.W 1.4	Preparation of Ex-service men for self Employment (50:50)	—do—	1989-90	—	—
O.S.W 2.2	Preparing wards of Ex-service- men for recruitment in Armed/ Paramilitary forces	Urban	1991-92	—	—
O.S.W 2.1	Emp. prog for youth affected by recent events	Rural/Urban	—	—	—
Total				—	—

## III-A.

## PROPOSALS FOR SPILLOVER AND ON GOING PROGRAMMES/PROJECTS

Schemes as on 31st March, 1991-92.

(RS in lakhs)

Cumulative expenditure upto end of 7th Plan	Upto end of 7th Plan		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (In Units) 1992-93	Remarks (Specifically Environmental Measure costs)
	Capacity Creation	Utilisation	Actual expenditure	Anticipated expenditure	Approved outlay		
7	8	9	10	11	12	13	14
—	—	—	—	—	(Scheme dropped) 50.00	—	—
118.00	—	—	40.00	40.00	50.00	—	—
35.00	—	—	24.00	15.00	5.00	—	—
162.75	—	—	22.29	64.12	90.00	9100 bens	—
315.75	—	—	86.29	119.12	145.00	—	—
147.97	—	—	78.30	190.00	145.97	12000 bens	—
147.97	—	—	78.30	190.00	145.97	—	—
8.92	—	—	—	—	10.00	—	—
8.92	—	—	—	—	10.00	—	—
10.00	—	—	2.00	2.00	4.00	—	—
—	—	—	—	2.60	10.77	—	—
10.00	—	—	2.00	4.60	14.77	—	—
852.07	—	—	195.05	421.08	450.77	—	—
2.55	—	—	—	—	—	—	—
30.15	—	—	—	—	—	—	—
48.70	—	—	24.00	50.00	60.00	—	—
52.46	—	—	17.46	64.00	64.00	640 bens	—
14.19	—	—	—	7.00	7.00	375 bens	—
—	—	—	6.00	9.00	12.00	1000 bens	—
46.19	—	—	—	—	—	—	—
194.54	—	—	47.46	130.00	143.00	—	—

Particulars	Code No.	Major Head/ Minor head	Nature and Loca- tion of scheme	Commence- ment year	Estimated Costs		Comu- lative expenditure upto the end of 7th Plan	Upto the end of 7th plan Capacity Utilisation Creation	
					Original	Revised			
1	2		3	4	5	6	7	8	9
<b>Other Administrative Institute: 34 228700</b>									
<b>(STATE SCHEMES)</b>									
PSIPA 1.1		Establishment of Administrative Institute	Urban	1985-86	—	—	196.91	—	—
PSIPA 1.2		Assistance to State training Institute in Distt. Planning	Rural/Urban	1990-91	—	—	—	—	—
Total					—	—	196.91	—	—
<b>Nutrition:</b>									
<b>(DISTRICT SCHEME)</b>									
N 1.1		Nutrition Diet	Rural	1972-73	—	—	1243.58	—	—
<b>Civil Supplies: 4 666000</b>									
<b>(STATE SCHEME)</b>									
C.S. 1.1		Consumer protection Act, 1986 Labour and Labour Welfare 226 22300	Urban	1988-89	—	—	—	—	—
<b>(A) Labour</b>									
L.W. 1.1		Strengthening of Directorate of Factories	(Urban)	1985-86	—	—	11.34	—	—
L.W. 2.4		Creation of Labour Courts at Sangrur & Ludhiana	(Urban)	1990-91	—	—	—	—	—
L.W. 1.2		Creation of women Cell	(Urban)	1990-91	—	—	—	—	—
Total (A)					—	—	11.34	—	—
<b>(B) Industrial Training: 1999 and 13</b>									
I.T.I. 2.1		Substitution of Unpopular Trades with Popular ones and introduction of new Trades in I.T.I.'s and replacement of tools & Equipments	Rural/Urban		—	—	107.11	—	—
I.T.I. 2.2		Training, Re-training, Seminars and Do Study tours of staff/Trainees for men & women	Do	1980-81	—	—	4.77	—	—
*I.T.I. 2.3		Completion of existing Buildings and Constructions of New Buildings for existing I.T.I.'s/ I.T.Cs/RATCs/GISGs/Art and Craft Centre & provision of land	Do	1980-81	—	—	61.12	—	—
I.T.I. 2.4		Modernisation of I.T.I.'s under UNDP/I.L.O Programme	Do	1980-81	—	—	14.74	—	—
*I.T.I. 2.5		Establishment of an advance training Institute Farm machinery & Power in the state (Ludhiana)	Do	1980-81	—	—	—	—	—
I.T.I. 2.6		Expansion of I.T.I.'s Located in Rural Areas	Rural	1980-81	—	—	7.75	—	—
I.T.I. 2.7		Enhancement of Training facilities in the State							
		(i) Opening of new ITIs in rural/ unrepresented Areas	Do		—	—	51.27	—	—
		(ii) Introduction of new courses in the Area of emerging Technology in the existing ITIs/ ITCs/RATCs/GISGs	Rural/ Urban		—	—	—	—	—
I.T.I. 2.8		Providing Independent Feeder/ Diesel operating sets in I.T.I.'s	Do	1991-92	—	—	17.61	—	—
I.T.I. 2.9		Strengthening of various cells for new activities in the State Directorate and provision of deficient staff as per norms	Do	1985-86	—	—	0.98	—	—
Total					—	—	265.35	—	—

Note—Schemes at \* are District Level Schemes.

II A

1992-93

## PROGRAMMES/PROJECTS

Schemes as on 31st March, 1992

(Rs. in lakhs)

Annual Plan. 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in units) 1992-93	Remarks specifically environmental measure/costs
Actual expendi- ture	Anticipated expenditure	Approved Outlay		
10	11	12	13	14
—	15.00	195.33	—	—
1.00	3.00	6.19	20 programmes	—
1.00	18.00	201.52	—	—
199.82	300.00	514.13	3.03 lacs bens.	—
5.04	1.00	7.70	For Machinery, Equipment Lab. etc.	—
—	9.38	31.30	Staff	—
—	1.73	8.80	2 units	—
—	0.87	—	—	—
—	11.98	40.10	—	—
1.30	19.00	44.00	5 Units	—
1.16	4.00	5.00	20 Units	—
3.63	(i) 20.00 (ii) 50.00	85.00	15 Units	—
—	5.00	8.00	1 Unit	—
—	5.00	25.00	1 Unit	—
—	11.20	—	Merged into Scheme ITI 2.7 (i)	—
1.07	20.00	20.00 } 72.00 }	2 Units	—
—	5.00	—	Merged into Scheme ITI 2.20	—
—	2.00	10.00	Staff	—
7.16	141.20	269.00	—	—

## ANNUAL PLAN 1992-93 PROPOSALS

## A-3 Critical on going Schemes

Particulars	Code No. Major head Minor Head	Nature and lo- cation of the scheme	Commencement year	Estimated cost		Cumulative Expenditure upto end of 7th Plan	Upto the end of seventh plan	
				Original	Revised		Capacity/ Creation	Utili- station
1	2	3	4	5	6	7	8	9
<b>World Bank Projects</b>								
I.T.I. 2.10 (i)	Upgradation of State Govt. I.T.I.'s for improving the quality of Trg. & re- placement of Machinery	Rural/Urban	1987-88	—	—	285.87	—	—
(ii)	Establishment of Project management unit at State level	Urban	1989-90	—	—	3.60	—	—
(iii)	Introduction of new trades in existing I.T.I.'S	Rural/Urban	1989-90	—	—	1.20	—	—
(iv)	Setting up of Related Instruction Centre	Urban	1989-90	—	—	—	—	—
(v)	Introduction of A.V.T.S.	(Urban)	1989-90	—	—	—	—	—
(vi)	Setting up of Basic Trg. Centre	(Urban)	1989-90	—	—	—	—	—
(vii)	Expansion of I.T.I.'s by introduction of additional seats	Rural/Urban	1989-90	—	—	—	—	—
(viii)	Provision of A.V. Aids	Do	1989-90	—	—	—	—	—
(ix)	Establishment of equipment mainte- nance system	Do	1989-90	—	—	—	—	—
(x)	Introduction of post skilled develop- ment courses	Do	1989-90	—	—	—	—	—
(xi)	Setting up of I.T.I.'s for Woman	Do	1989-90	—	—	—	—	—
Total				—	—	290.07	—	—
I.T.I. 2.11	Upgradation of 4 SC I.T.I.'s at Mansa, Makatsar, Faridkot & Fatehgarh Churian.	Urban	1990-91	—	—	—	—	—
T.I.I. 2.12	Purchase of land & Construction of Building for Arts & Craft Centre ASR	Urban	1990-91	—	—	—	—	—
I.T.I. 2.13	Modernisation of work centre Rajpura	Urban	1990-91	—	—	—	—	—
*I.T.I. 2.14	Enhancement of rate by Rs. 50 as per revised norms: —							
(i)	Of stipend per trainee			—	—	—	—	—
(ii)	Of Raw Material per trainee	Rural/Urban	1990-91	—	—	—	—	—
I.T.I. 2.15	Enhancement of rate of material for trainees from Rs. 25/ to Rs. 75/ p.m. per trainees	Do	1990-91	—	—	—	—	—
I.T.I. 2.16	Opening of new I.T.I.'s for boys	Do	1991-92	—	—	—	—	—
I.T.I. 2.17	Opening of new I.T.I.'s for boy by promo- ting Pvt. incentives grant-in-aid	Do	1991-92	—	—	—	—	—
I.T.I. 2.18	To provide recurring expenditure for I.T.I.s. established under B.A.D.A.	Do	1991-92	—	—	—	—	—
I.T.I. 2.19	Entrepreneurship development programme for I.T.I. passed out trainees and starting coaching centres to prepare them for self employment	Do	1991-92	—	—	—	—	—

Note:—Schemes at \* are District Level Schemes.

III-A,  
FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

as on 31st, March 1992

(Rs in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in units) 1992-93	Remarks Specifically Environmental measures/ Costs
Actual Expdditure	Anticipated Expen- diture	Approved Outlay		
10	11	12	13	14
247.39	60.16	81.30	M&E	—
5.36	4.00	2.83	Staff	—
5.23	39.50	29.25	4 Units	—
—	8.00	8.35	64 Trainees	—
—	11.35	21.20	900 Trainees	—
—	5.25	14.50	7 Units	—
—	74.29	70.20	140 Trainees	—
—	7.20	12.00	6 ITI's	—
—	18.08	27.25	32 Units	—
—	3.00	6.35	1 Unit	—
—	39.50	50.00	252 Trainees	—
257.98	270.33	323.23	2 Units	—
—	90.00	merged in to scheme I.T.I. 2.7 (ii)	—	—
—	20.00	merged in to scheme I.T.I. 2.3	—	—
5.00	20.00	25.00	1 Unit	—
0.33	13.00	13.00	Stipend	—
1.60	50.00	50.00	Material	—
—	—	merged in I.T.I. 2.14 (ii)	—	—
—	32.00	merged in ITI 2.7 (i)	—	—
—	10.77	20.00	3 Units	—
—	20.00	30.00	18 Units	—
—	5.00	5.00	350	—



ANNEXURE  
ANNUAL PLAN 1992-93--PROPOSALS  
A 3. Critical ongoing

Particulars	Code No. Major head Minor Head	Nature and Lo- cation of the scheme	Commen- cement year	Estimated cost		Cummulative Expendi- ture up to end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
I.T.I. 2.20	To provide infrastructural facilities for schemes covered under Word Bank Project for full utilisation of equipment and to make it fully operational as per norms	Rural/ Urban	1991-92	--	--	--	--	--
I.T.I. 2.21	Women Resources development in three Border Districts	Do	1991-92	--	--	--	--	--
I.T.I. 2.22	Salary Component at district schemes of I.T.U. Urban		1991-92	--	--	--	--	--
	<b>Women Trainings</b>							
*I.T.I. 3.1	Completion of existing buildings and construction of new buildings for Govt. Industrial Schools for girls/Govt. Teacher Training Institute for Woman	Do	--	--	--	57.3	--	--
*I.T.I. 3.3	Modernisation and Replacement of Machinery and equipment in girls schools	Do	1986-87	--	--	13.90	--	--
I.T.I. 3.4	To provide deficient staff according to norms in the existing Govt. Industrial Schools for Girls	Do	1991-92	--	--	4.22	--	--
*I.T.I. 3.5	Opening of new Industrial Schools for girls and introduction of additional seats in existing school	Do	1986-87	--	--	6.09	--	--
I.T.I. 3.6	Strengthening of Inspectorate cell for women training	Do	1991-92	--	--	2.84	--	--
	<b>Total (B)</b>			--	--	84.08	--	--
	<b>(P) Employment services</b>							
ES 4.1	Setting up of Town employment exchanges at district level	Urban		--	--	5.91	--	--
ES 4.2	Setting up of Rural man power units	Urban		--	--	--	--	--
ES 4.3	Setting up of Accounts section at State HQ	Urban		--	--	--	--	--
ES 4.4	Salary component of District schemes of Employment	Urban		--	--	--	--	--
	<b>Total (C)</b>			--	--	5.91	--	--
	<b>Total (A)+(B)+(C)</b>			--	--	656.75	--	--

Note --Schemes at \* are District Level Schemes.

## III—A

## FOR SPILLOVER AND ONGOING PROGRAMMES/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated Benefits (in units) 1992-93	Remarks (specifically environmental Measures/Costs)
Actual Expendi- ture	Anticipated Expen- diture	Approved outlay		
10	11	12	13	14
—	10.00	10.00	—	—
—	1.00	5.00	60 Units	—
—	7.00	22.00	Staff	—
9.05	35.22	Merged into Scheme I.T.I. 2.3		
1.00	11.00	30.00	Purchase of Machinery	—
0.51	2.00	Merged into Scheme I.T.I. 2.9		
0.51	5.00	10.00	10 I.T.I	—
—	1.00	Merged into Scheme I. T.I. 2.9		—
18.00	332.99	220.00	—	—
—	3.20	6.00	Units 4	—
—	0.80	—	—	—
—	—	—	—	—
—	0.50	—	—	—
—	4.50	5.00	—	—
283.14	761.00	858.33	—	—

## ANNUAL PLAN 1992-93 — PROPOSALS

## A-3 Critical ongoing

Particulars	Code No. Major Head Minor Head	Nature and lo- cation of the Scheme	Commen- cement year	Estimated cost		Cummulative expendi- ture up- to end of 7th Plan	Up to the end of seventh Plan	
				Original	Revised		Capacity Creation	Utili- sation
1	2	3	4	5	6	7	8	9
<b>Information &amp; Publicity</b>								
I.P. 1-1	Purchase and Production of State Films	Entire		—	—	36.57	—	—
<b>B : Others</b>								
I.P. 2-1	Display Advertisement	Do		—	—	61.30	—	—
I.P. 2-3	(i) Field Publicity	Do		—	—	143.70	—	—
	(ii) To Mobile Public opinion against Terrorism	Do		—	—	86.83	—	—
I.P. 2-4	Song and Drama	Do		—	—	21.50	—	—
I.P. 2-6	Purchase & Production of literature	Do		—	—	15.00	—	—
I.P. 2-7	Community listening	} Do		—	—	5.00	—	—
I.P. 2-8	Television Scheme							
I.P. 2-9	Exhibition including Exhibition Boards	Do		—	—	147.07	—	—
I.P. 2-10	Wall Painting & Hoardings	Do		—	—	4.60	—	—
I.P. 2-11	Purchase of Books for Library at H.Q.	Urban		—	—	0.50	—	—
I.P. 2-12	Feed Back Study	Urban		—	—	0.50	—	—
I.P. 2-13	Strengthening of H.Q. Staff of D.P.R.	Urban		—	—	0.40	—	—
I.P. 2-14	Setting up of Colour Laboratory	Urban		—	—	—	—	—
I.P. 2-15	Loans to Small News Paper for Setting up Printing Press	Do		—	—	—	—	—
	Film Corporation —800							
I.P. 2-16	Share Capital Contribution to Punjab Film & News Corp.	Do		—	—	5.00	—	—
I.P. 2-1	Setting up of Television Training Centre	Urban		—	—	—	—	—
				—	—	592.24	—	—

III-A

## FOR SPILL OVER AND ON GOING PROGRAMME/PROJECTS

Schemes as on 31-3-1992

(Rs in lakhs)

Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (in units) 1992-93	Remarks (Specifically Environmental Measures/Costs)
Actual Expendi- ture	Anticipated expenditure	proposed outlay		
10	11	12	13	14
12.30	15.70	15.00	—	—
14.80	15.00	20.00	—	—
21.50	23.45	30.00	—	—
86.83	92.90	100.00	—	—
8.00	6.00	8.00	—	—
3.70	5.00	6.00	—	—
—	5.00	—	—	—
23.00	25.00	25.00	—	—
0.50	1.00	1.50	—	—
0.40	0.40	0.75	—	—
0.10	0.50	0.75	—	—
0.10	—	1.00	—	—
2.00	1.30	2.00	—	—
—	—	—	—	—
—	—	—	—	—
173.23	195.25	210.00	—	—

ANNEXURE  
ANNUAL  
Proposals for maximising Benefits of

Particulars	Code No. Major Head Minor Head	Nature and Location of scheme	Commence- ment year	Estimated Cost	Existing	
					Capacity (In units)	Utilisa- tion
1	2	3	4	5	6	7
1. R. & M. of GNDTP Phase-II	.. 82 <hr/> 182	Thermal Bathinda	1991-92	750.00	440	440
2. R & M of R.T.P. Phase-I	.. Do	Thermal Ropar	1991-92	620.00	420	420
3. R & M of Bhakra PHS	.. Do	Hydro Bhakra	1991-92	77.00 <hr/> 3714.00 Pb. Share	660	660
<b>Total</b>				9070.00	1520	1520

## III-B

PLAN 1992-93

Completed Programmes/ Projects as on 31st March, 1992

(Rs in lakhs)

Targeted		Annual Plan 1990-91	Annual Plan 1991-92	Annual Plan 1992-93	Anticipated benefits (Units)	Remarks (Specified Environmental measure/ Cost)
Capacity (in units)	Utilisation	Actual Expenditure	Anticipated outlay	Approved Outlay	1992-93	
8	9	10	11	12	13	14
440	440	150.00	—	100.00	200 mus	—
420	420	—	—	100.00		—
785	785	—	—	1100.00	125 mus	—
1645	1645	150.00	—	1300.00	325 mus	—

Particulars	Code No. Major Head/Minor Head	Nature and location of the scheme	Commence-ment year	Estimated Cost
1	2	3	4	5
<b>10124 0100 Crop Husbandry</b>				
A(P) 5.8	<b>107—Plant Protection</b> Integrated pest management (Sharing)	Setting up of In- tegrated Pest Manage- ment Stations in the State	1992-93	—
	Total 107			—
<b>113—Agricultural Engineering</b>				
A(P) 11.5	Centrally sponsored scheme for the setting up of agricultural machinery training and evaluation centres in Punjab (Sharing)	..	1992-93	—
	Total 113	..	..	—
	Total 101240100	..	..	—
<b>101 2403 00 Animal Husbandry</b>				
<b>101 Veterinary Services and Animal Health—</b>				
*AH 3.21	Estt. of Quarantine Station near Indo-Pak Border, Attari Distt. Amritsar	Border Area of Indo-Pak at Amritsar	1992-93	—
	Total 101	..	..	..
	Grand Total: 101 240300	..	..	..
<b>102000000—Rural Development:</b>				
<b>102251500—Other Rural Development Programmes (Including Community Development and Panchayats)</b>				
<b>800—Other Expenditure:</b>				
CD 2.16	Management Information System Cell	.. State HQ.	1992-93	—
CD 2.18	Granting of Autonomous/Semi Autonomous Status to SIRD (State share)	.. State HQ.	1992-93	—
	Total—Head Rural Development	..		—

\*District Scheme

## III-C

## PLAN 1992-93

## New Schemes

Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (specifically Environmental Measures/Costs)
6	7	8
75.00	Farmers will be fore-warned about the possible attack of various pests/diseases of crops and suggested remedial measures to avoid losses in production.	—
75.00		
35.00	Technological upgradation and efficient use of machinery by trained farmers will lead to reduced cost of cultivation thereby enhancing the income of farmers.	
35.00		
110.00		
3.20	To check illegal trade of livestock on Indo-Pak Border	
3.20		
3.20		
14.80		
0.20		
15.00		



## Proposals for Programmes/Projects—

Particulars	Code No. Major Head/Minor Head	Nature and Location of the scheme	Commencement year
1	2	3	4
1. GNDTP	105280100	Thermal	1992-93
Stage-III	02	Lehra Mohabat	
2. (2 × 210 MW) Survey and investigation etc.	102 Do	Do	1992-93
	Total III C		
<b>N.C.S.E. New Schemes</b>			
1. Improved portable Chulas			1992-93
2. Biomass based gasifier			Do
3. Urja Grams			Do
4. Power generation from Agro-waste/Municipal waste etc.			Do
5. Solar Passive Architecture			Do
	Total		—
<b>Irrigation and Flood Control</b>			
Minor Irrigation Irrigation Department	104270200	Recharge of under ground water in Malerkotla, Jalandhar, Kapurthala	1992-93
(1) Ground Water Recharge Programme (Artificial recharge of underground water)	01		
	Total		
<b>NEW SCHEMES</b>			
<b>Industry &amp; Minerals: Village &amp; Small Scale Industry:</b>			
IN 2.3	Assistance for training of multi disciplinary Managers	—	1992-93
IN 2.4	Setting up of EDP Training programme	—	1992-93
IN 3.3 (a)	New UNDP Projects—		
	(i) Machine Tools Research & Development Centre, Batala	Batala	1992-93
	(ii) Automotive Parts Research & Development, Centre, Ludhiana	Ludhiana	1992-93
	(iii) Bicycle R & D Centre, Ludhiana-Phase-II	Ludhiana	1992-93
	(b) Schemes/Projects to be implemented under Economic Package		1992-93
IN 3.1.3	Upgrading the Testing and Common Facilities Centre		1992-93
IN 4.1 (ii)	Industrial Promotion Programme through PSIEC ..		1992-93
IN 4.4	Setting up of District Level Marketing Complexes for Rural Tiny Industrial Products*		1992-93
IN 10.5	Scheme for modernisation of Handloom in Co-operative Sector as share capital	—	1992-93
	Total V&SI		—
	Total New schemes		
<b>110345400: Census Survey and Statistics</b>			
S.T. 1.14	Estimates of District income of Punjab	Staff Scheme	1992-93
S. 1.15	Strengthening of Ministerial Staff at headquarter	Do	1992-93
	Total		

III-C

PLAN 1992-93

New Schemes

(Rs. in lakhs)

Estimated Cost	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in units) 1992-93	Remarks (Specifi- cally Environ- mental Measures/ Costs)
5	6	7	8
69034.00	1512.00	—	—
—	56.00	—	—
186763.00	1568.00	—	—
—	2.00	—	—
—	5.00	—	—
—	5.00	—	—
—	5.00	—	—
—	20.00	—	—
—	37.00	—	—
—	10.00	—	—
—	10.00	—	—
—	2.00	—	—
—	2.00	—	—
—	30.00	—	—
—	29.00	—	—
—	40.00	—	—
—	1.00 (Token)	—	—
—	10.00	—	—
—	1.00	—	—
—	5.00 *	—	*District Level Scheme
—	5.00	—	—
—	125.00	—	—
—	125.00	—	—
162.29	21.00	—	—
56.60	7.48	—	—
218.79	28.48	—	—

## Proposals for Programmes/Projects

Particular	Code No. Major Head/Minor Head	Nature and Location of the Scheme	Commencement year
1	2	3	4
<b>General Education</b>			
	<b>221220200</b>		
	<b>01</b>		
<b>Elementary Education</b>			
<b>Primary</b>			
ED1 .2	(i) Opening of Pre-primary Schools	— — —	1992-93
	(ii) Assistance for opening of new Private Primary Schools in rural areas	— — —	1992-93
	(iii) Conversion of existing Govt. Primary Schools into Govt. Model Primary Schools in rural areas	— — —	1992-93
	Total (Primary)	— — —	—
<b>Secondary Education</b>			
	<b>02</b>		
ED 2.1	(ii) Creation of One Educational Circle	— — —	1992-93
ED 2.22	(i) Strengthening of educational network in the Border districts of the State (Economic Package)	— — —	1992-93
	Total (02)	— — —	—
	Total (05)	— — —	1992-93
	Total (221 2202 00)	— — —	—
<b>Sports and Youth Services</b>			
	<b>221220400</b>		
	<b>800</b>		
<b>Other expenditure</b>			
SY 1-25	Yuva Bhawan	— — —	1992-93
SY 1-26	Shaheed-E-Azam Bhagat Singh Adventure Academy	— — —	1992-93
SY 1-27	Up keep and maintenance of Youth Hostels	— — —	1992-93
	Total (800)	— — —	—
	Total (221220400)	— — —	—

III C

PLAN 1992-93

New Schemes

(Rs in lakhs)

Estimated Cost	Annual Plan 1992-93	Anticipated Benefits (In Units)	Remarks (Specifically Environmental measures/costs)
	Approved Outlay	1992-93	
5	6	7	8
—	5.00 (3.00 for district Plan)	—	—
—	5.00 (Token)	—	—
—	20.00 (17.00 for district Plan)	—	—
—	30.00	—	—
—	4.00	—	—
—	1.00 (Token)	—	—
—	5.00	—	—
—	—	—	—
—	35.00	—	—
—	72.00	—	—
—	10.00	—	—
—	2.40	—	—
—	84.40	—	—
—	119.40	—	—

ANNEXURE  
ANNUAL PLAN  
Proposals for Programmes/Projects—

Particulars	Code No.	Major Head/Minor Head	Nature and Location of the Scheme	Commencement year
1	2	3	4	
<b>Art and Culture</b>		<b>221220500</b>		
<b>Promotion of Arts/Culture</b>		<b>102</b>		
AC 1.14	Setting up of a Cultural Complex at Mohali		—	1992-93
AC 1.15	Pension to Artists		—	1992-93
AC 1.16	Setting up of a Patiala Gharana Music Academy		—	1992-93
AC 1.17	Setting up of Distt. Punjab Cultural Centre		—	1992-93
AC 1.18	Establishment of Institute of Lok Virsa of Punjab		—	1992-93
Total (102)			—	—
<b>Museums</b>		<b>107</b>		
AC 5.5	Insurance of Medals and Art objects		—	1992-93
Total (107)			—	—
Total (221220500)			—	—
<b>Transport</b>				
RT-2(V)	Strengthening of Govt. Central Workshops		—	1992-93
RT-2(VI)	Installation of Instruments for Road safety.		—	1992-93
Total			—	Do
<b>Technical Education</b>				
TE 1.25	3 years degree courses for diploma holders in existing Engineering Colleges		—	1992-93
TE 1.26	Setting up of 4 new Polys. under Border Area Development Programmes		—	—
TE 1.27	Revision of staff structure in Special Trade Institutes	Gurdaspur	—	Do
TE 1.28	Purchase of land			
	(i) State Board of Technical Education, Punjab	Chandigarh	—	Do
	(ii) Govt. Poly. for Women, Amritsar	Amritsar	—	Do
Total				

## III C

1992-93

## New Schemes

(Rs. in lacs)

Estimated Cost	Annual Plan 1992-93	Anticipated Benefits (In Units)	Remarks (Specifically Environmental measures/ costs)
	Approved Outlay	1992-93	
5	6	7	8
—	50.00	—	—
—	20.00	—	—
—	9.00	—	—
—	50.00	—	—
—	10.00 (Token)	—	—
—	139.00	—	—
—	1.00	—	—
—	1.00	—	—
—	140.00	—	—
—	30.00	—	—
—	30.00	—	—
—	60.00	—	—
—	1.00	—	—
—	10.00	—	—
—	10.00	—	—
—	158.00	—	—
—	200.00	—	—
—	379.00	—	—

Particulars	Code No. Major Head/Minor Head	Nature and location of the Scheme	Commencement year
1	2	3	4
<b>D.H.S.</b>			
*PH 1.20	Improvement of District offices by additional space for offices/Renovation and storage facilities	State Scheme	1992-93
*PH 3.9 (b)	(i) Strengthening of Dental Clinics	District Scheme	Do
	(ii) Opening of New Dental Clinics at C.H.Cs. & other suitable places	Do	Do
PH 6.8 (a)	Creation of food cell in the Directorate	State Scheme	Do
*PH 6.11 (c)	Establishment of Intensive Care Unit in District level Hospital	District Scheme	Do
PH 6.13 (a)	Strengthening of State Health Excise Lab.	State Scheme	Do
PH 6.13(b)	Strengthening of Chemical Examiner Lab.	Do	Do
PH 6.14	Creation of Goitre control cell in the Directorate for Goitre Control Programme	Do	Do
PH 6.19 (b)	Setting up of legal cell in the D.T.E and its field offices	Do	Do
PH 7.3 (c)	Estt./Strengthening of Civil Redg.Units in MCs/Committee as per 1991 Census	Do	Do
PH 7.13	Setting up of Burn units at district level hospitals	Do	Do
PH 7.12	Improvement/Strengthening of the office of Director Health Services	Do	Do
PH 7.14	Setting up of Planning Cell in the directorate of Health Services	Do	Do
<b>Ayurvedic</b>			
AY 2.2 (a)	Creation of posts of vaidis in border district	Do	Do
*AY 2.7	Providing essential furniture/equipments medicines in the existing I.S.M. Dispensaries	District Scheme	Do
Total		Do	Do
<i>*Note</i> :—Indicates district level schemes.			
<b>Housing</b>			
HG-6.1	Rural Housing Programmes*	Entire State	1992-93
Total			
<b>*District Plan</b>			
<b>Welfare of S.Cs. &amp; B.Cs.</b>			
<b>EDUCATION (DISTRICT SCHEME)</b>			
SO 24.7	Construction of Dr. B.R. Ambedkar Bhawans	Urban	Do
SO 24.3	Attendance Scholarship to S.C. primary girls	Urban/Rural	Do
Total:		—	—

## III C

## PLAN 1992-93

## New Schemes

(Rs. in lacs)

Estimated Cost	Annual Plan 1992-93	Anticipated Benefits (In Units)	Remarks (Specifically Environmental measures/costs)
	Approved Outlay	1992-93	
5	6	7	8
—	18.00	—	—
—	15.00	—	—
—	13.00	—	—
—	3.50	—	—
—	18.00	—	—
—	5.00	—	—
—	13.00	—	—
—	7.00	—	—
—	9.50	—	—
—	3.50	—	—
—	5.00	—	—
—	5.00	—	—
—	1.00	—	—
—	3.00	—	—
—	12.00	—	—
—	131.50	—	—
—	500.00	40000 (Development of House Sites)	—
—	500.00	—	—
—	200.00	2	—
—	720.00	Bhawans	—
—	920.00	—	—

Rs. 100.00 lacs was provided during the year 1991-92



Particulars	Code No/Major Head	Minor Head	Nature and Location of the Scheme	Commencement year
1	2		3	4
<b>Economic Development</b>				
<b>P.S.C. F.C.</b>				
SC 1.1	Share Capital Contribution to P.S.C. F.C.—			
	(vi)	Funding of Economic Ventures including Commercial activities for self employment	—	Do
	(vii)	Seopping-cum-Offices at important Cities in the state	—	Do
	(viii)	Show-room cum-Sale Centres	—	Do
SC 25.1	Self Employment Scheme for un-employed youth upto Rs. 1.00 lacs— P.S.C.F.C.		Rural/Urban	Do
<b>BACKFINCO</b>				
SC 25.2	Self Employment Scheme for un-employed youth upto Rs. 1.00 lacs— BACK FINCO		Rural/Urban	Do
Total:			—	Do
G. Total			—	—
<b>Social Welfare</b>				
SW 3.7	Legal aid/Couselling to deserted Destitute/Divorce women		—	1992-93
<b>Labour Welfare</b>				
		01(A)		
Strengthening of Enforcement Machinery of Labour Laws			Urban	1992-93
Total 'A'			—	—
<b>Employment Services :</b>				
		03(C)		
ES 4.5	Scheme for providing Pre-Service on the job training to I.T.I. trained Applicant for Employment (District Level)		Urban	1992-93
ES 4.6	Scheme to Project scope and avenues of Self-employment in the state (District Level)		Urban	Do
ES 4.7.	Setting up of District Vocational Guidance Centre at each District Head quarter		Do	Do
Total:			—	—
<b>Industrial Training :</b>				
		03(B)		
ITI 2.24	Opening of Staff Training Centre at Ropar		—	1992-93
Total: 03(A)+03(B)+03(C)			—	—
<b>Information and Publicity :</b>				
IP 2.2	Teleprinter Lines		Urban	1992-93
IP 2.17	Light and Sound		Rural/Urban	Do
IP 2.18	Setting up of Television Training Centre		Urban	Do
Total:			—	—

## III C

PLAN 1992-93

New Schemes

(Rs. in lacs)

Estimated Cost	Annual Plan 1992-93	Anticipated Benefits (In Units)	Remarks (Specifically Environmental measures/costs)
	Approved Outlay	1992-93	
5	6	7	8
	100.00	1000 bens.	—
} These scheme will be funded from Part (iii) of Share Capital Contribution to P.S.C.F.C.			
—	100.00	1150 bens.	—
—	40.00	1100 bens.	—
—	240.00	—	—
—	1160.00	—	—
—	2.00	—	—
—	2.00	—	—
—	6.00	Staff	—
—	6.00	—	—
—	60.00	6 District	—
—	4.00	4 Districts	—
—	6.00	2 Districts	—
—	70.00	—	—
—	10.00	—	—
—	10.00	—	—
—	80.00	—	—
—	4.00	—	—
—	4.00	—	—
—	13.00	—	—
—	21.00	—	—

Particulars	Code No. Major Head/Minor Head	Nature and Location of the Scheme	Commencement year
1	2	3	4
<b>Defence Services Welfare</b>	<b>228 225001</b>		
OSW 3.1 Scheme for providing Hostel facilities for entry into various Class III jobs for the wards of Ex-Servicemen		Urban	1992-93
OSW 4.1 Grant to Sri Dasmesh Academy, Anandpur Sahib District Ropar towards expenditure on main-tenance and messing charges of beneficiaries		Urban	Do
	Total:	—	—
<b>Punjab State Institute of Public Administration :</b>			
PS I PA 2.1 Setting up of 9 academic divisions in the institute for training gazetted officers		Urban	1992-93
PS I PA 2.2 Setting up of 3 district level training centres for Class-III & IV employees		Urban	Do
	Total:	—	—

## III-C

## PLAN 1992-93

## New Schemes

(Rs. in lacs)

Estimated Cost	Annual Plan 1992-93	Anticipated Benefits (In Units)	Remarks (Specifically Environmental measures/ costs)
	Approved Outlay	1992-93	
5	6	7	8
—	20.40 Token provision	600 Wards	—
—	10.00	—	—
—	30.40	—	—
—	5.00	15000 Officers per year	—
—	10.00	1.4 lacs Class III & IV Employees per year	—
—	15.00	—	—

## ANNEXURE III-C

## ANNUAL PLAN 1992-93

## Proposals for Programmes/Projects/New Schemes

(Rs in lacs)

Particulars	Code No. Major Head/ Minor Head	Nature & Location of the Scheme	Commencement year	Estimated cost	Annual Plan 1992-93 Approved Outlay	Anticipated Benefits (in Units)		Remarks (specifically environmental Measures/ costs)
						1992-93		
1	2	3	4	5	6	7	8	
<b>SCIENCE AND TECHNOLOGY</b>								
<b>ECOLOGY AND ENVIRONMENT</b>								
<b>1. Monitoring of air Emissions in the State—</b>								
(a) Noise Pollution Control		All over the State	1992-93	45.92	8.00	—	—	—
<b>2. Extension of Services of Punjab Pollution Control Board</b>								
(a) Training of Scientific and Technical staff of the Board continued training		Patiala	Do	30.00	5.00	—	—	—
(b) State aid to Punjab Pollution Control Board		Do	Do	101.24	9.50	—	—	—
(c) Action Plan to clean Satluj and Budha Nala		Do	Do	10.00	1.00	—	—	—
<b>Total:</b>				<b>187.16</b>	<b>23.50</b>	<b>—</b>	<b>—</b>	<b>—</b>

## ANNEXURE III 'D'

## SUMMARY STATEMENT

## Annual Plan 1992-93—Proposals for Programmes/Projects

D.1—Completed Schemes as on 31st March, 1990 (Spill-over Liability if any, for 1991-92 and beyond)

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93
					Approved Outlay	Anticipated Expendi- ture	Approved outlay
1	2	3	4	5	6	7	8
<b>Irrigation and Flood Control :</b>							
(i) Major and Medium Irrigation	104270101	21257.45	20497.53	549.62	513.00	513.00	513.00
(ii) Minor Irrigation	104270200	94.58	44.88	—	9.00	9.00	6.00
Total		21352.03	20542.41	549.62	522.00	522.00	519.00
Power	103280100	39950.00	39686.00	171.00	—	—	400.00
Housing	223221600	534.08	528.67	60.44	64.08	43.89	27.89
Urban Water Supply and Sewerage	223221700	1474.51	—	66.12	354.50	354.50	—
Grand Total		63310.62	60757.08	847.18	940.58	920.39	946.89

## ANNEXURE III 'D'

## SUMMARY STATEMENT

## Annual Plan 1992-93—Proposals for Programmes/Projects

D. 2—Schemes completed during 1990-91/likely to be completed during 1991-92 (Spill-over Liability if any, for 1992-93 and beyond)

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th Plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan	
					Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	
	1	2	3	4	5	6	7	8
Secretariate Economic Services	11034551000	—	13.50	1.50	—	—	—	—
Census Survey and Statistics	11034554000	—	0.11	1.71	—	—	—	—
Power		—	—	—	1000.00	1000.00	800.00	800.00
<b>Grand Total</b>		—	13.61	3.21	1000.00	1000.00	800.00	800.00

## ANNEXURE III 'D'

## SUMMARY STATEMENT

Annual Plan 1992-93 — Proposals for Programmes/Projects

D. 3.— Critical on going Schemes as on 31st March, 1992.

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture up to end of 7th Plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93
					Approved Outlay	Anticipa- ted Expen- diture	Approved Outlay
1	2	3	4	5	6	7	8
<b>3. Critical on going schemes as on 31-3-1990</b>							
<b>Agriculture and Allied Activities</b>							
Crop Husbandry	101240100	—	6419·644	2161·94	3357·80	1251·11	2488·02
Soil and Water Conservation	101240200	—	2799·122	1026·22	973·00	1153·00	1168·00
Animal Husbandry	101240300	—	2703·17	1303·52	873·50	969·97	1296·80
Dairy Development	101240400	—	536·388	599·03	469·00	432·65	568·00
Fisheries	101240500	—	536·877	229·47	207·00	184·91	297·00
Forestry and Wild Life	101240600	—	2871·900	588·03	584·00	709·30	812·00
Food Storage and Warehousing	101240800	—	400·000	—	0·10	—	0·10
Agricultural Research and Education	101241500	—	1950·255	316·41	525·00	527·57	800·00
Agricultural Financial Institutions	101241600	—	3697·744	454·00	550·00	550·00	632·00
Marketing and Quality Control	101243500	—	59·10)	6·43	13·00	12·98	15·20
Co-operation	101242500	—	10116·722	1608·96	2164·00	2443·50	1144·26
<b>Total</b>			<b>32090·89)</b>	<b>8366·01</b>	<b>9716·40</b>	<b>8234·99</b>	<b>9221·38</b>
<b>Rural Development</b>	<b>102000000</b>						
<b>Special Prgrammes for Rural Development</b>	<b>102250100</b>						
IRDP & Allied Programmes	—	—	5220·89)	547·59	645·70	543·33	674·05
Jawahar Rozgar Yojana	102250500	—	321·73)	328·89	400·00	493·91	400·00
<b>Other Rural Development Programmes (including C.D. &amp; Panchayats)</b>	<b>10225100</b>	—	<b>6345·79)</b>	<b>1955·83</b>	<b>1048·61</b>	<b>2634·67</b>	<b>3387·08</b>
<b>Total</b>			<b>11888·41)</b>	<b>2832·31</b>	<b>2094·31</b>	<b>3671·91</b>	<b>4451·13</b>
<b>Special Area Programmes</b>	<b>103000000</b>						
Integrated Watershed Development Projects (Hills)	—	5321·25	989·66	592·39	1000·00	770·19	1200·00
<b>Total</b>		<b>5321·25</b>	<b>989·66</b>	<b>592·39</b>	<b>1000·00</b>	<b>770·19</b>	<b>1200·00</b>



**ANNEXURE III 'D'**  
**SUMMARY STATEMENT**

**Annual Plan 1992-93—Proposals for Programmes/Projects**

**D. 3.—Critical ongoing Schemes as on 31-3-1992**

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th Plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93
					Approved Outlay	Antici- pated Expendi- ture	Approved Outlay
1	2	3	4	5	6	7	8
<b>Irrigation and Flood Control</b>	<b>1040000</b>						
Major and Medium Irrigation	104270101	96840.60	18589.78	2291.58	3558.00	3505.00	3558.00
Minor Irrigation	104270200	7891.23	4630.28	1717.65	1925.68	1921.38	2073.00
Command Area Development	104270500	7600.00	38247.56	578.40	1100.00	1700.00	1200.00
Flood Control (incl. Anti-sea erosion, etc.)	104271100	6088.00	17632.48	1487.40	1440.00	2200.59	1640.00
<b>Total</b>		<b>118419.83</b>	<b>79100.10</b>	<b>6075.03</b>	<b>8023.68</b>	<b>9326.97</b>	<b>8471.00</b>
<b>Energy</b>	<b>105780100</b>						
Power	105780100	309711.00	131898.80	50198.00	34000.00	34000.00	35600.00
Non-conventional source of energy	—	—	—	76.93	99.00	132.00	138.00
Integrated Rural Energy Programme	—	—	—	30.00	30.000	30.00	40.00
<b>Total</b>		<b>309711.00</b>	<b>131898.80</b>	<b>50304.93</b>	<b>34129.00</b>	<b>34162.00</b>	<b>35778.00</b>
<b>Industries and Minerals</b>							
Village and Small Industries	—	—	2789.64	2914.86 (Provisional)	1664.00	1610.66	1785.00
Industries (Other than Village and Small Industries)	—	—	295.42	3621.50 (Provisional)	4736.00	5151.29	5190.00
<b>Total</b>			<b>3085.06 Provisional</b>	<b>6536.36</b>	<b>6400.00</b>	<b>6761.95</b>	<b>6975.00</b>
<b>Transport :</b>							
Civil Aviation	107305300	—	81.17	31.50	80.00	100.00	80.00
Roads and Bridges	107305400	—	6337.33	1609.60	2150.00	2642.62	2500.00
Road Transport	107305500	—	7703.08	2053.17	2407.03	2607.03	2590.00
<b>Total</b>			<b>14121.58</b>	<b>3694.27</b>	<b>4637.03</b>	<b>5349.65</b>	<b>5170.00</b>
<b>Science, Technology and Environment</b>							
Scientific Research (incl. S. & T.)	109000000	1330.51	81.50	108.89	137.75	118.95	175.00
Ecology and Environment	343500	614.78	40.21	42.64	86.00	89.25	103.50
<b>Total</b>		<b>1945.29</b>	<b>121.71</b>	<b>151.53</b>	<b>223.75</b>	<b>208.20</b>	<b>278.50</b>

**ANNEXURE III 'D'**  
**SUMMARY STATEMENT**

Annual Plan 1992-93—Proposals for Programmes/Projects.

D. 3.—Critical ongoing Schemes as on 31-3-1992

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th Plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93	
					Approved Outlay	Anticipa- ted Expendi- ture	Approved Outlay	
1	2	3	4	5	6	7	8	
<b>General Economic Services :</b>								
Secretariate Economic Services	110345100	—	2162.00	2483.74	2767.50	2649.43	2150.00	
Tourism	110345200	—	275.83	117.00	177.50	—	52.00	
Survey and Statistics	110345400	—	—	—	40.25	8.00	46.52	
Civil Supplies	103466600	—	—	5.04	20.00	1.00	7.70	
Other General Economic Services 20—Point Programme	100000000	—	1.93	0.31	4.00	0.48	4.00	
<b>Total</b>		—	—	2439.76	2606.09	3009.25	2658.91	2260.22
<b>Social Services Education :</b>								
General Education	221220200	—	6371.27	1417.51	2300.00	2185.72	2675.00	
Technical Education	221220300	—	1775.44	620.45	3720.00	3921.42	4199.00	
Sports and Youth Services	221220400	—	1921.60	539.09	1081.00	312.85	1088.60	
Art and Culture	221220500	—	485.87	119.36	294.00	128.24	253.00	
<b>Sub-Total (Education)</b>		—	—	10554.18	2696.41	7395.00	6548.23	8215.60
Medical and Public Health	222221000	—	5903.88	2208.36	3900.00	4448.97	4468.50	
Water Supply and Sanitation	223221500	12150.32	18414.00	2566.12	2745.00	3009.00	3200.00	
Housing (incl. Police Housing)	223221600	1776.75	6124.16	1736.49	2810.00	2740.00	3772.11	
Urban Development (incl.) State Capital Projects)	223221700	—	4954.76	8796.08	6866.00	5004.23	6500.00	
Information and Publicity	223	—	592.24	173.23	201.00	195.25	210.00	
Welfare of Scheduled Castes, Scheduled Tribes and Other Back- ward D Classes	225222500	—	2819.89	1624.76	2446.00	2523.39	2760.94	
Labour and Labour Welfare	22622300	—	657.23	334.07	808.00	761.00	858.33	
Social Security and Welfare	227223600	—	852.07	195.05	430.00	421.08	450.77	
Nutrition	—	—	—	199.82	300.00	300.00	514.13	
Other Social Services (Defence Service Welfare)	282252001	—	194.54	47.46	130.00	130.00	143.00	
<b>Total</b>			13927.07	51066.95	20577.85	28031.00	26081.15	31093.38

## ANNEXURE III 'D'

## SUMMARY STATEMENT

Annual Plan 1992-93 —Proposals for Programmes/Projects

D. 3.—Critical on going schemes as on 31-3-1992

(Rs. in lakhs)

Particulars	Code No.s Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th Plan	Annual Plan 1990-91 Actual Expeni- ture	Annual Plan 1991-92		Annual Plan 1992-93 Proposed Outlay
					Approved Outlay	Anticipa- ted Expendi- ture	
1	2	3	4	5	6	7	8
<b>General Services</b>							
Jails	142205600	500.00	343.66	318.83	375.00	360.00	270.00
Printing and Stationery	2058	—	293.03	39.33	225.00	200.35	808.50
Public Works	3142205900	450.00	1538.00	425.71	1025.00	1335.34	1260.00
Other Administrative Services (PSIPA)	34220700	—	196.91	1.00	170.00	18.80	201.52
Total		950.00	2371.60	784.87	1795.00	1853.69	2480.02
Grand Total		450274.44	329174.52	102521.64	99059.42	99079.61	107388.63

## ANNEXURE III 'D'

## SUMMARY STATEMENT

Annual Plan 1992-93 Proposals for Programmes/Projects.

D. 4. - Schemes aimed at maximising benefits from the existing capacity as on 31-3-1992.

(Rs. in lakhs)

Particulars	Code No. Major Head/ Minor Head	Estimated Cost	Cumula- tive Expendi- ture upto end of 7th Plan	Annual Plan 1990-91 Actual Expendi- ture	Annual Plan 1991-92		Annual Plan 1992-93 Proposed Outlay
					Approved Outlay	Anticipat- ed Expendi- ture	
1	2	3	4	5	6	7	8
Power	105280100	14070.00	—	150.00	—	—	1300.00

## ANNEXURE-III 'D'

## SUMMARY STATEMENT

Annual Plan 1992-93 Proposals for Programmes/Projects,

## 5. New Schemes

(Rs. in lakhs)

Particulars	Code No.	Estimated Cost	Cumulative Expenditure upto end of 7th Plan	Annual Plan 1990-91 Actual Expenditure	Annual Plan 1991-92		Annual Plan 1992-93
	Major				Head/Minor Head	Approved Outlay	Anticipated Expenditure
1	2	3	4	5	6	7	8
Crop Husbandry	101240100	—	—	—	—	—	110.00
Animal Husbandry	101240300	—	—	—	—	—	3.20
Rural Development	102000000	—	—	—	—	—	15.00
Irrigation and Flood Control	104000000	—	—	—	—	—	10.00
Power	—	186763.00	—	—	—	—	1568.00
Non-Conventional Source of Energy	—	—	—	—	—	—	37.00
Village and Small Industry	—	—	—	—	—	—	125.00
Industries (other than Village and Small Industries)	—	—	—	—	—	—	—
Road Transport	—	—	—	—	—	—	60.00
Scientific Research (incl. S & T.)	—	—	—	—	—	—	—
Ecology and Environment	343500	354.63	—	—	—	—	23.50
Survey and Statistics	110345400	—	—	—	—	—	28.48
General Education	221220200	—	—	—	—	—	35.00
Sports and Youth Services	221220400	—	—	—	—	—	84.40
Art and Culture	221220500	—	—	—	—	—	140.00
Technical Education	221220300	—	—	—	—	—	379.00
Medical and Health	222221000	—	—	—	—	—	131.50
Rural Housing Programmes	223221000	—	—	—	—	—	500.00
Information and Publicity	—	—	—	—	—	—	21.00
Welfare of S. C. & B. C.	225222600	—	—	—	—	—	1160.00
Social Welfare	227221600	—	—	—	—	—	2.00
Labour and Labour Welfare	22622300	—	—	—	—	—	86.00
Defence Services Welfare	—	—	—	—	—	—	30.40
PSIPA	—	—	—	—	—	—	15.00
<b>Total</b>		<b>187117.63</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>4564.48</b>

## ANNEXURE IV

## ANNUAL PLAN 1992-93

## Statement regarding Externally Aided Projects

(Rs. in lacs)

Serial No.	Name, nature and location of the project with project code & name of external funding Agency	(a) Date of sanction (b) Date of commencement of work	Terminal date of disbursement of external aid; (a) Original (b) Revised	Estimated cost (a) Original (b) Revised (Latest)	Pattern of funding (a) State's Share (b) Central assistance (c) Other Sources (to be specified) Total	Cumulative Expenditure upto 7th Plan (a) State's share (b) Central assistance (c) Other sources (to be specified) Total	1992-93
							Outlay (a) State's Share (b) Central assistance (c) Other sources (to be specified) Total
1	2	3	4	5	6	7	8
1	Strengthening and Re-organisation of agriculture, extension & administration (T and V Project) National Agriculture Extension Project III aims at providing latest agricultural technology at the door step of farmers and regular training of the extension staff of Agriculture Department. This project is at present running in districts of Amritsar, Bathinda and Hoshiarpur, Code-IDA Credit No. 1754-IN-World Bank Aided Special Sub-Project Category No. 6	21-8-87 (a) March, 91 (b) March, 1993	(a) March, 91 (b) March, 1993	(a) 1140.17 (b) Under revision	(a) 40% (c) 60% World Bank	(a) 135.39 (c) World Bank 203.08 338.47	(a) 140.00 (c) World Bank 210.00 350.00
2	Integrated Watershed Development Project (Hills) Punjab	1-9-1989	31-12-1996	(a) 5321.25	(a) 20% (c) 80% World Bank	384.00 (a) 76.80 (c) 307.20 World Bank	1200.00 (a) 240.00 (c) 960.00 World Bank
	IBDR/IDA aided Projects is designed to address one of the State's most serious environmental problems of ecological degradation in the Kandi tract of Shivalik foot-hills and Watershed management in districts, Ropar and Hoshiarpur and upper catchment of Shivalik hills.						
3	Punjab Irrigation and Drainage Project Phase-II a Credit 2076 in Loan 3144 I.D.A. and I.B.R.D.	(a) 9-2-90 (b) 1-7-89	(a) 31-3-98 (b) —	(a) 34188.00 (b) 45966.00	(a) 15166.00 (b) — (c) 30800.00 (External aid)	(a) 1108.00 (b) — (c) —	(a) 6013.00 (b) — (c) —
4-1	Bicycle Research & Development Centre Phase-II Ludhiana	1-4-90	1990-91 1993	State 232.20 UNIDO 516.27	(a) Partial (b) UNIDO (c) Partial	(a) 3.63 (b) Central Assistance No. (c) 55.51	(a) 40.00
4-2	Activities Research & Dev. Code Ind/88/070 United Nations Indl. Dev. Organisation Vienna		Original State Rs. 84.75	(a) States UNIDO (Each Partial)	(a) State Share Rs. 50.00 lacs		
4-3	Sewing Machine Development Centre, Phase-II, Ludhiana Activities RCS Dev. Code No. Ind/87/012 UNDO as Extra funding sources	11-5-88 Dt of commencement Jan., 1989	(a) Dec. 1990 1988-89 (b) Dec. 91 1989-90 (c) 1990-91	State 84.75 UNDP 56.15. Revised State Rs. 119.75 UNDP Rs. 57.82	(a) Partial (b) — (c) Partial		(a) 50.00

## ANNEXURE IV

ANNUAL PLAN 1992-93

## Statement regarding Externally Aided Projects

(Rs. in lacs)

Serial No.	Name, nature and location of the project with project code & name of external funding Agency	(a) Date of sanction (b) Date of commencement of work	Terminal date of disbursement of external aid; (a) Original (b) Revised	Estimated cost (a) Original (b) Revised (Latest)	Pattern of funding (a) State's Share (b) Central assistance (c) Other Sources (to be specified) Total	Cumulative Expenditure upto 7th Plan (a) State's Share (b) Central assistance (c) Other sources (to be specified) Total	1992-93
							Outlay (a) State's Share (b) Central assistance (c) Other sources (to be specified) Total
1	2	3	4	5	6	7	8
<b>New UNDP Projects</b>							
<b>Research / Dev. Centres for</b>							
	(i) Machine Tool (UNDP)						(a) 30.00 (b) (c)
	(ii) Auto Parts (UNDP)						(a) 29.80 (b) (c)
4.4	Research & Development Centre for Rubber Goods Jalandhar (UNDP)	Yet to be sanctioned	Proposed to be by year 1993 which would be revised	648.00	(a) 80.00 (b) 232.00 (c) 336.00		(a) 30.00 (b) Yet to be sanctioned
4.5	Development Centre for Re-rolling Industry (UNDP)	--do--					(a) 1.00 (b) (c)
4.6	Research & Development Centre for Electrical Appliances Cell (UNDP).	--do--					(a) 2.58 (b) (c)
5	Strengthening of Technician Edu. in Panjab	1991-92 (b) --	(a) -- (b) --	(a) 7958.35 (b) 7948.35	(a) 30 % (b) -- (c) World Bank (70%)	(a) -- (b) -- (c) --	(a) 903.00 (b) -- (c) 2,108.00 World Bank
6	World Bank Assistance Project--Training for Manpower Development (Entire State)	(a) 26-12-1990 (b) --	(a) 30-6-1998 (b) --	(a) 2324.12 (b) --	(a) 10 % (b) -- (c) 90 %	(a) -- (b) -- (c) --	(a) 140.00 (b) -- (c) 1280.00 World Bank

## ANNEXURE-V

## ANNUAL PLAN 1992-93 OUTLAYS BY HEADS OF DEVELOPMENT - FOR DISTRICT PLANS

(Rs. in lakhs)

Serial No.	Major Head/Minor Head of Development	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	%age to Total	Anticipated Expenditure	%age to Total	Approved Outlay	%age to Total
1	2	3	4	5	6	7	8
<b>I. Agriculture and Allied Activities :</b>							
	Crop Husbandry	292.64	1.18	438.41	1.44	441.00	1.31
	Soil and Water Conservation	965.20	3.90	665.10	2.19	500.00	1.48
	Animal Husbandry	623.48	2.52	497.69	1.64	514.37	1.53
	Dairy Development	58.34	0.24	77.50	0.26	143.00	0.42
	Fisheries	101.77	0.41	137.96	0.45	221.00	0.66
	Forestry and Wild Life	422.21	1.71	10.00	0.03	611.00	1.81
	Food Storage and Warehousing	—	—	—	—	—	—
	Agricultural Research and Education	—	—	—	—	—	—
	Agricultural Financial Institutions	—	—	—	—	—	—
	Marketing and Quality Control	—	—	—	—	—	—
	Co-operation	200.00	0.81	—	—	—	—
<b>II. Rural Development :</b>							
	Special Programmes for Rural Development						
	(a) IRDP and Allied Programmes	514.63	2.08	530.57	1.75	659.00	1.96
	(b) Jawahar Rozgar Yojna	289.72	1.17	493.91	1.63	400.00	1.88
	Other Rural Development Programmes (including Community Development and Panchayats)	1909.24	7.71	2627.17	8.65	3378.28	10.03
<b>III. Special Area Programmes :</b>							
	Integrated Watershed Development Project (Hills)	—	—	—	—	—	—
<b>IV. Irrigation and Flood Control :</b>							
	Major and Medium Irrigation	—	—	113.00	0.37	113.00	0.34
	Minor Irrigation	—	—	156.68	0.52	115.00	0.34
	Command Area Development	—	—	—	—	—	—
	Flood Control (including Anti-seaersion, etc.)	—	—	1355.59	4.47	785.00	2.33
<b>V. Energy :</b>							
	Power	1000.00	4.04	1500.00	4.94	3000.00	8.91
	Non-conventional source of Energy	—	—	—	—	—	—
	Integrated Rural Energy Programme	—	—	30.00	1.10	—	—



## ANNEXURE-V

## ANNUAL PLAN 1992-93 OUTLAYS BY HEADS OF DEVELOPMENT—FOR DISTRICT PLANS

(Rs. in lakhs)

Serial No.	Major Head/Minor Head of Development	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	%age to Total	Anticipated Expenditure	%age to Total	Approved Outlay	%age to Total
1	2	3	4	5	6	7	8
<b>VI. Industry and Minerals :</b>							
	Village and Small Industries	279.10	1.13	699.59	2.30	494.00	1.47
	Industries (Other than village and Small Industries)	3837.23	15.50	2229.99	7.35	1500.00	4.45
<b>VII. Transport :</b>							
	Civil Aviation	—	—	—	—	—	—
	Roads and Bridges	834.29	3.37	1822.62	6.00	1530.00	4.54
	Road Transport	94.49	0.38	166.20	0.55	135.00	0.40
<b>VIII. Science, Technology and Environment :</b>							
	Scientific Research (including S & T)	—	—	10.00	0.03	—	—
	Ecology and Environment	10.00	0.04	30.25	0.10	18.00	0.05
<b>IX. General Economic Services :</b>							
	Secretariat Economic Services	2385.55	9.63	2528.65	8.33	1817.50	5.40
	Tourism	—	—	—	—	—	—
	Survey and Statistics	—	—	—	—	—	—
	Civil Supplies	—	—	—	—	—	—
	Other General Economic Services 20 Point Programme	—	—	—	—	—	—
<b>X. Social Services :</b>							
	General Education	2007.44	8.11	1473.86	4.85	1142.00	3.39
	Technical Education	—	—	—	—	—	—
	Sports and Youth Services	391.32	1.58	130.00	0.43	97.00	0.29
	Art and Culture	—	—	—	—	—	—
	Medical and Public Health	1736.86	7.01	1417.12	4.67	1400.00	4.16
	Water Supply and Sanitation	2056.66	8.31	2859.00	9.52	3050.00	9.06
	Housing (including Police Housing)	67.10	0.27	364.00	1.20	493.00	1.45
	Urban Development (including State Capital Projects)	3184.75	12.86	4104.23	13.52	6338.00	18.82
	Information and Publicity	—	—	—	—	—	—
	Welfare of Scheduled Castes, Scheduled Tribes and other Backward Classes	936.78	3.78	2098.80	6.91	3255.33	9.67
	Labour and Labour Welfare	23.69	0.10	353.42	1.16	283.00	0.84

## ANNEXURE-V

## ANNUAL PLAN 1992-93 OUTLAYS BY HEADS OF DEVELOPMENT—FOR DISTRICT PLANS

(Rs. in lakhs)

Serial No.	Major Head/Minor Head of Development	Annual Plan 1990-91		Annual Plan 1991-92		Annual Plan 1992-93	
		Actual Expenditure	%age to Total	Anticipated Expenditure	%age to Total	Approved Outlay	%age to Total
1	2	3	4	5	6	7	8
	Social Security and Welfare	108.41	0.44	313.30	1.03	344.00	1.02
	Nutrition	200.00	0.81	300.00	0.99	514.13	1.53
	<b>XI. General Services :</b>						
	Jails	—	—	—	—	—	—
	Stationery and Printing	—	—	—	—	—	—
	Public Works	—	—	694.95	2.29	206.00	0.61
	Other	140.49	0.57	—	—	165.00	0.49
	<b>Total</b>	<b>24760.78*</b>	<b>100.00</b>	<b>30358.57</b>	<b>100.00</b>	<b>33678.21</b>	<b>100.00</b>

\*Provisional

ANNEXURE  
ANNUAL  
CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Unit	Target	Achievements	
1	2	3	4	5	6	7	8	
<b>AGRICULTURE</b>								
1	CS-1 Development of rural regulated markets— CS-7 Grant-in-aid to Marketing Board	100% GOI	174.00	229.00	—	—	—	
2	CS-2 Agricultural Census CS-8	100% GOI	31.40	29.82	—	—	—	
3	CS-3 Scheme for crop estimation survey on fruits., CS-9 vegetables and minor crops							
	(i) Agri. Deptt.	100% GOI	8.27	13.31	—	—	—	
	(ii) Horticulture Department	100% GOI	5.32	—	—	—	—	
	Total		13.59	13.31	—	—	—	
4	CS-4 Control of pests on cotton. CS-12	100% GOI	—	—	—	—	—	
5	CS-5 Scheme for rice, maize, bazra and wheat minikits CS-15	100% GOI	10.76	10.76	(No.) Paddy " Maize " Bajra " Wheat	30000 25000 20000 40000	27523 23683 15576 30500	
6	CS-6 Scheme for the promotion of sunflower in CS-25 zaid season	100% NOVODB	32.78	45.30	Nos. D. Plots. Rapeseed & Mustard Sunflower Groundnut	  187 360 125	  150 209 17	
					Total	672	376	
7	CS-7 Special Foodgrains CS-30 Production Programme on wheat	100% GOI	211.05	211.05	Nos. Minikits Sunflower Qtls. Wheat Seed M. T. Zinc Sulph. Lit. Weedicide Lit. Pesticide	1032  26050 911 191.50 34000	1032  24650 903 179 24000	
8	CS-33 Special Foodgrains Production Programme— expansion of area under summer moong/urd	100% GOI	—	6.00	No. Summer Moong	15000	—	

VI  
 PLAN 1992-93

## SPONSORED SCHEMES

Total Expenditure	Total Central Assistance Released	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure	Approved Outlay	
		Unit	Target	Achievements				
9	10	11	12	13	14	15	16	17
—	—	—	—	—	100.00	—	—	
4.10	3.75	—	—	—	14.00	4.55	10.57	
0.98	0.18	—	—	—	1.45	1.49	1.53	
3.46	3.46	No. of crop cutting experiments	Kinnow Mango 232 150	232 150	4.35	4.35	4.50	
4.44	3.64	—	382	382	5.80	5.84	6.03	
—	—	—	—	—	200.00	—	—	
4.72	4.72	Paddy (No.) Maize ("") Bajra ("") Wheat ("")	10000 10000 2000 29000	9000 10000 1800 26450	15.00	2.82	6.00	
3.24	5.37	(Nos.) D. Plots " G. Nuts " Sunflower " Minikits " Thrashers (Qtls.) Seed	50 40 1000 16 160	— 11 — — —	22.50	35.00	35.00	
124.65	160.00	Wheat Seed (Qtls.) Seedicides (Lit.) Spray Pumps (Nos.)	17000 34500 19109	16822 29950 10511	240.00	250.00	250.00	
—	4.00	No. Summer Moong	10000	—	4.00	4.00	4.00	

ANNEXURE  
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CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of the Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
1	2	3	4	5	6	7	8
9	CS-24 Integrated Programme ----- CS-29 for Rice Development	25:75	91.00	91.00	Weedicides (Lit.) Pesticides ("") Z. Sulphate (MT) Spray Pumps (No.) Pumping Sets ("") Demon. Plots (No.) Study Tour ("") Farmer's Trg. Camps Labourers' Trg. Camps Ext. Worker	50000 39000 541 12300 608 64 3 32 32 32	23743 29487 269 12295 993 64 3 32 31 31
10	CS-26 Intensive Cotton Dev- ----- CS-3 elopment Programme including aerial spray on cotton	50:50	41.49	39.88	Qtl. Seed Subsidy	9420	6606
11	CS-20 Comprehensive Crop ----- CS-19 Insurance	50:50	—	—	—	—	—
12	CS-21 Reclamation of alkali ----- CS-22 soils in Punjab	50:50	1211.13	1187.11	Ton. Gypsum (Hect.) Area	900550 128390	724851 106215
13	CS-17 Oilseeds Production ----- CS-8 Programme	25:75	307.21	372.14	10 Hect. D. Plots 0.2 Hect. Minikits Nos. P. P. Equipment	2350 104416 7882	2275 48974 7882
14	CS-18 National Pulses ----- CS-5 Development Project	Minikits & Trg. 100% GOI Staff at distt. level 100% State Govt. Rest 25 : 75	27.69	26.51	Minikits (No.) D. Plots (Nos.) Adoptive trials (Nos.) Trg. staff and Farmers (Nos.) P.P. Chemicals (Hect.)	4960 48 243 12 16500	8644 48 193 12 16700

## VI

## PLAN 1992-93

## SPONSORED SCHEMES

Total Expenditure	Total Central Assistance Released	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure	Approved Outlay	
		Unit	Target	Achievements				
9	10	11	12	13	14	15	16	17
1142.00	286.00	Pesticides (Ha.) Spray Pumps (No.)	160442 51033	160442 49133	420.00	233.73	420.00	
6.87	9.75	Qtls. Seed Subsidy	2185	2003	25.00	92.71	132.50	
—	—	—	—	—	0.10	—	0.10	
212.45	212.45	Gypsum (M. T.) Area (Ha.)	89346 18926	85000 17516	120.00	300.00	125.00	
109.02	53.00	(No.) D. Plots G. Nut Raya Torla Sunflower	57 100 117 447	52 85 128 161	240.60	171.66	204.39	Staff at distt. level State Government liability
		Total	721	426				
		<b>Minikits</b>						
		G. Nut	500	385				
		Raya	1000	1000				
		Torla	1000	790				
		Sunflower	5613	—				
		Total	8113	2175				
		Spray Pumps	8000	21343				
		P. P. Chemicals (Hect.)	90400	70000				
		Implements	572	597				
8.16	18.00	Research Minikits (Nos.) Block Demonstration (Nos) Camps (Nos.) P.P. Chemicals (Ha) Spray Pumps Nos.	910 12 6 50000 2880	750 9 8 21000 1434	18.00	22.14	23.71	

Seventh Plan 1985-90 (Aggregate of Five Annual Plans)								
Sr. No.	Name of the Scheme	Pattern of Funding	Targets and Achievements					
			Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	
1	2	3	4	5	6	7	8	
15	CS-22 Grading of foodgrains and Oilseeds in regulated markets	5 : 95 with Mkt. Board	298.48	298.85	Number	Wheat	428800	540477
	CS-23				"	Gram	35630	33273
					"	Paddy	491800	416949
					"	Maize	77340	48711
					"	Toria	53255	59182
					"	Tara Mira	16830	8310
					"	Sarson	66450	81430
					"	Groundnut	26400	16294
16	CS-23 Construction and operation of warehousing	50 : 50 C.W.C.	75.00	75.00	Lakh M.T. Capacity		5.00	6.95
	CS-24							
17	CS-24 Integrated pest management	50 : 50	—	—	—	—	—	—
18	CS-25 Special Foodgrains Production programme on Maize	100% GOI	—	—	—	—	—	—
19	CS-26 Scheme for the setting up of agricultural machinery and evaluation centres in Punjab	25 : 75 cost of the land by State Govt.	—	—	—	—	—	—
20	CS-27 Scheme for the supply of fertilizers to small and marginal farmers on subsidized basis	100% GOI	—	—	—	—	—	—
21	CS-34 Production of fruits and vegetables	100% Central Share	2.16	6.00	No. of Minikits		8000	10000
22	CS-35 Integrated development of spices	100% Central Share	—	—	—	—	—	—
23	CS-36 Integrated development of tropical and arid zone fruits	Do	—	—	—	—	—	—
24	CS-37 Market intervention scheme for fruits	50 : 50	—	—	—	—	—	—
25	CS-38 Scheme for the popularisation of improved agricultural equipments in Punjab	50 : 50	—	—	—	—	—	—
26	CS-39 Scheme for the establishment and strengthening of farmers agro service centres	50 : 50	—	—	—	—	—	—
27	CS-40 Scheme to assist the State Government in improvement of storage facilities at farm level by provision of improved type of storage bins	100% GOI	—	—	—	—	—	—
28	CS-41 Establishment of Nutritional Gardens in the rural areas	100% GOI	—	—	—	—	—	—
Total Agriculture			—	2527.74	2641.73	—	—	—

VI  
 PLAN 1992-93

## SPONSORED SCHEMES

Annual Plan 1990-91		Targets and Achievements		Annual Plan 1991-92		Annual Plan 1992-93	Remarks		
Total Expenditure	Total Central Assistance Released	Unit	Targets	Achievements	Provision in the Annual Plan	Anticipated Expenditure		Approved Outlay	
9	10	11	12	13	14	15	16	17	
122.25	122.44	Wheat	(No)	153000	181576	152.00	151.76	180.50	
		Gram	"	6000	5313				
		Paddy	"	149000	163167				
		Maize	"	9500	7452				
		Toria	"	7000	6315				
		Tara mira	"	1200	1761				
		Sarson	"	19500	24120				
		Groundnut	"	1800	1929				
—	—	—	—	—	—	0.10	—	0.10	
—	—	—	—	—	—	—	—	75.00	
—	—	—	—	—	—	—	—	209.00	
—	—	—	—	—	—	—	—	30.00	
—	—	—	—	—	—	—	901.60	—	
7.50	7.50	No. of Minikits		10000	11000	—	8.25	8.00	
1.16	1.16	No. of Minikits		2000	2000	—	0.85	1.00	
		No. of Spray Pumps		50	50				
1.63	1.63	Hectares Citrus		100	100	—	3.26	2.00	
		Guava		50	50				
—	—	—	—	—	—	—	96.82	50.00	
—	—	—	—	—	—	—	5.40	—	
—	—	—	—	—	—	—	0.10	—	
—	—	—	—	—	—	—	37.00	—	
—	—	—	—	—	—	—	5.25	—	
752.19	893.41	—	—	—	—	1577.10	2332.74	1772.90	



ANNEXURE  
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CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
1	2	3	4	5	6	7	8
<b>Soil Conservation:</b>							
CS-1	National Watershed Development Project for Rainfed Areas (NWDPA)	100%	32.44	26.12	Hect.	3200	2457
CS-2	'Strengthening of State Land use Board	100%	3.50	—	—	—	—
Total			35.94	26.12	Hect.	3200	2457
<b>Animal Husbandry:</b>							
CS-1	Estt. of Backyard Poultry units for the benefit of rural poor	Central Share 100%	3.30	3.30	To set up the Poultry units	460	460
CS-2	Rinderpest Eradication Programme in Punjab	Central Share 100%	—	—	—	—	—
CS-3	Ext. of Frozen Semen Technology for cattle and buffalo Dev. Outside	Central Share 100%	—	—	—	—	—
CS-4	Foot and Mouth Disease Control Programme Prophylactic vaccination of cattle and buffaloes against F.M.D	Central Share 25% State Share 75%	30.25	26.20	To provide vaccination doses	7.19 Lakhs	6.00 Lakhs
CS-5	Assistan to Small/Maginal farmers and Agriculture Labourers for rearing of crossbred heifers (including buffaloes calves) & setting up of Poultry, Piggery and Sheep Units.	50:50	109.32	105.86	Crossbred 1. CB—heife Calves & buffaloes 2. Poultry 3. Piggery Units	17410 1040 440	20410 835 385
CS-6	Extension of frozen semen facilities and production and supply of bulls, herd book registration of elite milch animals, progeny testing programme, modernisation of cattle farms, Embryo transfer technology and strengthening of bull mother farms	50:50	—	—	—	—	—
CS-7	Estt. of sheep breeding farms for production and providing intensive health cover in field	50:50	—	—	—	—	—
CS-8	Estt. of hybrid pig. breeding farms for production of fattening stock and modernisation of existing pig farms	50:50	—	—	—	—	—
CS-9	Sample survey for estimation of pro- of milk, eggs, wool and meat and live stock census	50:50	3.43	3.71	—	—	—
CS-10	Production and distribution of quality fodder seeds providing technical extension in the field	50:50	—	—	—	—	—
Total			146.30	139.07	—	—	—
<b>Fisheries:</b>							
CS-1	Assistance to Fish Farmers Development Agencies in the State	50:50 Except the liability of Estt. and contengcles	68.72	37.48	Area in hect.	1100	1250
Total			68.72	37.48	—	—	—

## VI

## PLAN 1992-93

## SPONSORED SCHEMES

(Rs. in lakhs)

Annual Plan 1990-91		Targets and Achievements			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	Provision in the Annual Plan	Anticipated Expenditure	Approved Outlay	
9	10	11	12	13	14	15	16	17
29.14	35.93	Hect.	800	525	204.20	150.00	150.00	This scheme was being implemented on 50:50 sharing basis till 1989-90
3.92	—	—	—	—	10.00	10.00	10.00	
33.06	35.93	Hect.	800	525	214.20	160.00	160.00	
1.32	1.32	No.	350	350	0.44	0.44	—	
—	—	—	—	—	—	120.00	72.75	—
56.37	57.00	L.N. Plant	1	1	66.85	30.00	91.95	—
7.00	7.00	Doses	2.78 Lakhs	2.71 Lakhs	10.00	10.00	15.00	—
48.05	53.76	Crossbred Calves and buffaloes calves Piggery Units	6300 400 200	6784 379 150	57.30	50.51	65.72	—
56.37	68.40	—	—	—	66.85	80.00	100.00	—
—	—	—	—	—	—	—	17.77	—
—	—	—	—	—	—	—	10.40	—
0.35	1.00	—	—	—	2.79	0.08	2.76	—
—	—	—	—	—	—	—	30.00	—
169.46	188.48	—	—	—	204.23	341.03	405.55	—
57.65	20.00	Hech.	300	320	20.00	20.00	20.00	—
57.65	20.00	—	—	—	20.00	20.00	20.00	—

Seri No.	Name of the Scheme	Pattern of funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Unit	Target	Achievements	
1	2	3	4	5	6	7	8	
CS-1	Assistance to Fish Farmers Development Agencies in the State	50:50 (Except of Establishment and contingencies)	6 668.72	37.48	Area in Hect.	1100	250	
	Total		6 668.72	37.48	—	—	—	
<b>Forstry and Wild Life</b>								
CS-1	Integrated Waste land Development Project		4 4484.42	477.96	Hect.	16000	14225	
CS-1	Soil Water and Tree Conservation in Himalayas	100%						
CS-2	Fuel Wood and Fodder Project	50:50	5 54 5441.81	541.81	Hect.	18600	21410	
CS-2	Rural Fuel Wood Plantation and Afforestation of Eco-Sensitive Non-Himalayan areas/Establishment of Silvopastoral Farms							
CS-4	Assistance for the Development of Sanctuaries	100%	222.03	22.03	—	—	—	
CS-4	Assistance for the development of Selected Zoos	50:50	2.25	2.25	—	—	—	
CS-5	Development of Infrastructure for the protection of Forests	50:50	10.37	10.37	—	—	—	
CS-7	Decentralised People's Nurseries	100%	118.00	118.00	Lakh Saplings	—	265.11	
CS-4	Assistance to Wild Life Education and Interpretation Programme	50:50	2.25	2.25	—	—	—	
CS-9	Assistance for Control of Poaching and Illegal Trade in Wild Life	50:50	1.56	1.56	—	—	—	
CS-0	Collection, Certification, Grant and Storage of Seeds of forest species including Legumes and Grasses	100%	5.05	5.05	—	—	—	
CS-1	Creation of Protection Force and organization of Forest Department for Protection	100%	—	—	—	—	—	
CS-2	Minor Forest Produce	100%	—	—	—	—	—	
	Total		1 11187.74	1181.28	—	—	—	
<b>Rural Development</b>								
CS-1	National Project on Demonstration of improved Chullas in Rural Area	100%	190.46	190.46	No. of Chullas	207000	371712	
CS-2	Strengthening of Infrastructure under TRYSEM	50:50	23.75	23.75	—	—	—	
CS-1	Monitoring Cell at State Headquarters	50:50	7.63	7.63	—	—	—	
CS-1	Rural landless Employment Guarantee Programme	100%	2 22 2741.02	2741.02	Lakh Mandays	67.69	78.26	



Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
					Unit	Target	Achievements
1	2	3	4	5	6	7	8
CS-6	National Rural Employment Programme	50:50	1279.71	1279.71	lakh Mandays	76.35	87.87
CS-7	State Institute of Rural Development	50:50	39.00	39.00	—	—	—
CS-9	Financial Assistance to the assignees of ceilings Surplus Land	50:50	9.30	9.30	—	—	—
CS-10	Extention Training Centres	100%	7.75	8.65	—	—	—
CS-11	Jawahar Rozgar Yojana	80:20 (Centre-state)	1398.95	1296.09	lakh Mandays	28.88	34.23
CS-12	Grant-in-aid under EEC aided programme for SIRD Nabha	100%	—	—	—	—	—
CS-13	Installation of computer at State head-quarters	50:50	—	—	—	—	—
CS-14	Granting of autonomous/semi-autonomous status to SIRD	50:50	—	—	—	—	—
Total			5697.57	5595.61	—	—	—
<b>CO-OPERATION</b>							
CS-1	Agriculture Credit Stabilisation Fund	GOI 100%	140.00	140.00	—	—	—
CS-2	Margin money assistance to State level federation in developed States	GOI 100%	246.90	246.90	—	—	—
CS-4	Share capital assistance/rehabilitation assistance to Primary Marketing Societies in developed States	GOI 100%	32.50	32.50	—	—	—
CS-9	Assistance to Central Cooperative Banks and Primary Agriculture Service Societies as Risk Fund for Consumption loan	GOI 50% State 50%	23.25	23.25	—	—	—
CS-11	Assistance to Co-operative Credit Institutions in the Co-operatively under developed States and special areas for non-overdue cover	GOI 50% State 50%	607.50	607.50	—	—	—
CS-15	Assistance for distribution of consumer articles in rural areas	NCDC 100%	12.65	12.65	—	—	—
CS-16	Assistance for Technical and Promotional Cell of various Apex Federations	NCDC 100%	10.98	10.98	—	—	—
CS-17	Assistance for preparation of Project reports and feasibility studies to Milkfed and other State Federations	NCDC 100%	5.00	5.00	—	—	—
CS-19	Assistance to Co-operative Apex Institutions for installation of Computers	NCDC 100%	11.52	11.52	—	—	—

WI  
PLAN 1992-93  
SPONSORED SCHEMES

(Rs. in lakhs)

Total Expenditure	Total Central Assistance Released	Annual Plan 1990-91			Annual Plan 1991-92	Annual Plan 1992-93		Remarks
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure	Approved Outlay	
		Unit	Target	Achievements				
9	10	11	12	13	14	15	16	17
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
10.00	10.00	—	—	—	—	5.23	8.00	—
893.66	1273.49	Lakh Mandays	31.72	21.80	1600.00	1979.08	1600.00	—
27.50	27.50	—	—	—	—	10.00	—	—
—	—	—	—	—	2.15	—	0.90	—
—	—	—	—	—	—	—	0.20	—
996.10	1375.93	—	—	—	1692.60	2081.16	1700.25	—
40.00	40.00	—	—	—	185.00	185.00	160.00	—
—	—	—	—	—	100.00	200.00	500.00	—
25.00	—	—	—	—	50.00	50.00	50.00	—
5.00	5.00	—	—	—	5.00	5.00	5.00	—
35.00	35.00	—	—	—	50.00	50.00	50.00	—
7.55	7.55	—	—	—	10.00	10.00	10.00	—
2.99	—	—	—	—	6.35	6.35	6.51	—
—	—	—	—	—	4.00	4.00	5.00	—
2.08	—	—	—	—	20.60	23.35	—	—

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Unit	Target	Achievement	
1	2	3	4	5	6	7	8	
CS—20	Share capital participation for expansion and setting up of new Spinning Mills/Cotton Waste Spinning Mills	NCDC 22.5% State 22.5%	594.50	594.50	—	—	—	
CS—21	Assistance for expansion and Installation of Co-operative Sugar Mills	NCDC 50% of Total State Govt. Share	2400.40	2400.40	—	—	—	
CS—22	Loan Assistance to Markfed for setting up processing units	NCDC 20% State 15%	272.00	272.00	—	—	—	
CS—23	Assistance as share capital to Spinfed for setting up Central Laboratory for testing Cotton and Yarn	NCDC 50%	31.50	27.33	—	—	—	
CS—24	Assistance as share capital for construction of Cold Storage	NCDC 25% State 20%	1.00	—	—	—	—	
CS—25	Assistance for construction of godowns under NCDC II Project	NCDC 25% State 20%	470.10	422.62	—	—	—	
CS—26	Assistance to Punjab State Co-operative Agricultural Development Bank Limited to strengthen the Credit Rehabilitation Fund	G.O.I. 50% State 50%	—	—	—	—	—	
CS—27	Scheme for providing margin money assistance to Co-operative Spinning Mills	G.O.I. 50% State 50%	—	—	—	—	—	
Total : Sub-head Cooperation			4859.80	4807.15	—	—	—	
<b>Industrial Co-operatives :</b>								
CS—28	Margin money as share capital contribution in Punjab Handloom Weavers Apex Co-operative Society for setting up of show rooms-cum-sale centres	NCDC 75% State 25%	36.00	16.00	—	—	—	
CS-	Managerial subsidy to Handloom Apex/Primary Societies	G.O.I. 50% State 50%	6.91	6.91	—	—	—	
CS-29	Share capital contribution to Co-operative Handloom Apex Society and Primary Societies as equity base	G.O.I. 50% State 50%	51.00	51.00	—	—	—	
CS-31	Market Development Assistance to Apex Handloom and Primary Handloom Weavers Co-operative Societies	G.O.I. 50% State 50%	57.13	57.13	—	—	—	
CS-32	Assistance as loan and share capital for setting up processing units/ Shoddy Spinning Plant/Regional Godowns by Handloom Apex	State 15% NCDC 80%	8.48	8.48	—	—	—	
CS-33	Scheme for modernisation of handlooms in Co-operative Sector as share capital	State 20% NCDC 80%	—	—	—	—	—	
Total			159.52	139.52	—	—	—	
Grand Total —Cooperation Department			5019.32	4946.67	—	—	—	

## VI

## PLAIN 1992-93

## SPONSORED SCHEMES

(Rs in lakhs)

Annual Plan 1990-91			Targets and Achievements		Annual Plan 1991-92		Annual Plan 1992-93	Remarks
Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	Provision in the Annual Plan	Anticipated Expenditure	Approved outlay	
9	10	11	12	13	14	15	16	17
114.40	—	—	—	—	114.40	114.40	—	—
11000.00	1000.00	—	—	—	1350.00	1404.00	0 40.0	—
218.00	—	—	—	—	300.00	—	340.00	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	1.00	1.00	1.00	—
—	—	—	—	—	—	300.00	—	—
1450.02	1087.55	—	—	—	2196.35	2353.10	1167.51	—
10.00	—	—	—	—	10.00	10.00	19.50	—
—	—	—	—	—	—	—	—	—
4.77	—	—	—	—	10.00	11.67	13.50	—
37.89	—	—	—	—	25.00	25.00	30.00	—
8.00	—	—	—	—	280.00	280.00	280.00	
—	—	—	—	—	—	—	20.00	—
60.66	—	—	—	—	325.00	326.67	363.00	—
1510.68	1087.55	—	—	—	2521.35	2679.77	1530.51	—



ANNEXURE  
DRAFT EIGHTH FIVE YEAR PLAN  
CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
					Unit	Target	Achievements
1	2	3	4	5	6	7	8
<b>IRRIGATION AND FLOOD CONTROL</b>							
<b>MINOR IRRIGATION</b>							
CS-1	Centrally Sponsored Scheme for Purchase of machinery (PSTC)	50:50	60.00	—	—	—	—
CS-2	Strengthening of Ground Water Organisation	50:50	54.51	55.65	—	—	—
CS-3	Scheme for encouraging the use of sprinkler irrigation for small and marginal farmers	50:50	—	—	—	—	—
CS-4	Scheme for the creation of customs service ceiling ground water organisation	100%	—	—	—	—	—
CS-5	Scheme for the evaluation studies of M.I.	100%	—	—	—	—	—
CS-6	Scheme for Micro level ground water survey in selected dark blocks of the State	100%	—	—	—	—	—
CS-7	Scheme for rectification of tubewell for increasing the efficiency 100%	100%	—	—	—	—	—
CS-8	Scheme for rationalisation of Irrigation Statistics	100%	10.52	9.24	—	—	—
<b>FLOOD CONTROL</b>							
CS-9	Counter Protective measures on the left side of river Ravi	100%	688.41	675.00	—	—	—
CS-10	Special problem Scheme	..	—	—	—	—	—
CS-11	Grant-in-aid PAU for the Scheme Extension or the Model of Water and Power resources of North West India to incorporate Eastern Himalayas and North East India States	..	—	—	—	—	—
Total			813.44	739.89	—	—	—
<b>ENERGY</b>							
1.	Setting up of IREP Cell at State and District Level	100%	17.38	—	—	—	—
2.	Scheme for creation of Bio gas cell and instalation Bio-gas plants in state of Punjab	100%	294.50	—	Nos.	Nos. 9110	105
			311.88				

VI  
199-97 AND ANNUAL PLAN 1992-93

## SPONSORED SCHEMES

(Rs. in lakhs)

Annual Plan 1990-91		Targets and Achievements			Annual Plan 1991-92		Annual Plan 1992-93 Approved Outlay	Remarks
Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	Provision in the Annual Plan	Anticipated Expenditure		
9	10	11	12	13	14	15	16	17
15.00	—	—	—	—	—	—	12.50	—
7.66	12.33	—	—	—	30.00	30.00	40.00	—
—	—	—	—	—	40.00	40.00	40.00	—
—	—	—	—	—	—	—	85.00	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
2.50	2.50	—	—	—	—	—	8.90	—
72.50	125.00	—	—	—	—	—	400.00	—
—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—
97.66	139.83	—	—	—	70.00	70.00	586.40	—
6.36	—	—	—	—	8.00	8.00	14.00	—
90.00	—	—	—	—	90.00	90.00	89.00	—
96.36	—	—	—	—	98.00	98.00	103.00	—

ANNEXURE  
ANNUAL PLAN  
CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Units	Targets	Achievements	
1	2	3	4	5	6	7	8	
<b>Industry and Minerals</b>								
CS 1	10-15% Central Investment Subsidy	100%	710.00	710.00	—	—	—	
CS 2	Engineering Entrepreneurial Training Programme (interest subsidy)	100%	8.33	8.33	—	—	—	
CS 3	Setting up of Nucleus Cell for Updating of Census Data	100%	30.24	22.80	—	—	—	
CS 4	District Industries Centres	50:50	358.90	358.90	—	—	—	
CS 5	Marketing Development Assistance Scheme	50:50	30.47	30.47	—	—	—	
CS 6	Punjab State Handloom & Textiles Development Corporation	100%	—	—	—	—	—	
CS 7	Incentives for Quality Certification for SSI Products	50:50	2.22	—	—	—	—	
CS 8	Handloom census	100%	0.51	0.51	—	—	—	
CS 9	Establishment of two growth centres	1:2 (State:GOI)	—	—	—	—	—	
CS 10	Census of SSI units	100%	26.10	38.35	—	—	—	
CS 11	Establishment of Common Effluent Treatment Plants for SS units	50:50	—	—	—	—	—	
Total			1166.77	1169.36	—	—	—	
<b>110545100 Sectt. Economics Services</b>								
1	P.M. 1.8 Creation of cell for formulation Review and Monitoring for SCP	100%	—	—	—	—	—	
2	P.M. 1.11 Publicity of Special competent Plan for the welfare of scheduled castes in the State	100%	—	—	—	—	—	
<b>110345400—Survey and Statistics</b>								
3	S.T.1.14—Conduct of Third Economic Census Survey	100%	—	—	—	—	—	
<b>1 Tourism</b>								
Cb-1	Acquisition and Development of land and for Yatra Niwas	60:40	37.00	—	—	—	—	
CS-2	Acquisition and Development of land for way-side amenities	70:30	56.00	—	—	—	—	

VI

1992-93

## SPONSORED SCHEMES

(Rs. in lakhs)

Total Expenditure:	Total Central Assistance Released	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan 1992-93 Outlay	Remarks	
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure			
		Units	Targets	Achievements					
9	10	11	12	13	14	15	16	17	
—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	
12.00	8.70	—	—	—	14.00	14.00	15.00	—	
91.29	91.29	—	—	—	100.00	109.50	130.00	—	
6.23	6.23	—	—	—	15.00	7.00	25.00	—	
—	—	—	—	—	—	—	—	—	
4.00	—	—	—	—	4.00	4.00	—	—	
—	—	—	—	—	—	—	—	—	
—	—	—	—	—	400.00	300.00	800.00	—	
25.60	10.00	—	—	—	0.10	1.75	2.00	—	
20.00	20.00	—	—	—	50.00	45.00	50.00	—	
159.12	136.22	—	—	—	583.10	481.25	1022.00	—	
—	—	—	—	—	—	6.00	6.00	6.00	—
—	—	—	—	—	—	5.00	5.00	5.00	—
—	—	—	—	—	—	11.00	11.00	11.00	—
1.90	1.90	—	—	—	—	12.76	12.76	0.10	—
1.98	1.98	—	—	—	—	12.76	12.76	0.10	—
—	—	—	—	—	—	—	—	15.00	—
46.46	—	—	—	—	—	70.00	70.00	46.66	—

ANNEXURE  
ANNUAL PLAN  
CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Unit	Target	Achievements	
1	2	3	4	5	6	7	8	
<b>XI-EDUCATION</b>								
CS 1	Taking over of NFC Scheme	100%	586.09	—	..	..	..	
CS 2	Social Education Programme Administrative structure for Audit Education at State level	100%	15.87	—	..	..	..	
CS 3	Integrated education for physically handicapped persons	100%	4.08	—	..	..	..	
CS 5	Post literacy follow up under rural functional (jana Shikshan) Nilayams scheme)	100%	57.10	—	..	..	..	
CS 6	Strengthening of administrative structure for implementation of Adult Education programme	100%	—	—	..	..	..	
CS-7	Establishment of district Centres of English at Bathinda	100%	8.81	—	..	..	..	
CS-8	Computer Literacy and Studies in schools class project	100%	5.46	—	..	..	..	
CS-9	Strengthening and Improvement of Primary Education (UNICEF)	4:1	1.80	—	..	..	..	
CS-10	Reimbursement of tuition fees charged from girls to State	100%	191.88	—	..	..	..	
CS-12	National Merit Scholarship ..	100%	16.87	5.67	..	..	..	
CS-13	Scholarships for the study of Hindi in Non-Hindi speaking areas	100%	4.15	4.20	..	..	..	
CS-14	National Loan scholarships ..	100%	1.44	4.35	..	..	..	
CS-15	Coaching for educational handicapped students belonging to minority communities	100%	5.60	—	..	..	..	
CS-17	National Service Scheme (NSS) ..	7:5	155.52	155.52	—	1,50,000 Youth	1,12,000 Youth	
CS-18	State Level NSS Cell ..	100%	4.24	4.24	..	..	..	
CS-19	Promotion of Regional Language (Punjab State University Text Book Board) ..	100%	48.52	—	..	..	..	
CS-20	Setting up of IED Cell at the Head- quarter under the integrated Education for Handicapped Children ..	100%	33.86	—	..	..	..	
CS-21	Improvement of Science Education in-schools ..	100%	470.75	—	..	..	..	
CS-22	Provision of TV and Radio-cum- Cassette Player for Elementary Schools for Educational technology ..	100%	68.07	—	..	..	..	

## VI

1992-93

## SPONSORED SCHEMES

(Rs. in lakhs)

Total Expenditure	Total Central Assistance Released	Annual Plan 1990-91			Annual Plan 1991-92		Approved Plan	Remarks
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure	Annual Plan 1992-93	
		Unit	Target	Achievements				
9	10	11	12	13	14	15	16	17
233.00	—	..	..	..	610.24	445.05	242.00	—
—	—	..	..	..	4.20	—	—	—
2.28	—	..	..	..	6.00	—	—	—
—	—	..	..	..	—	—	—	—
—	—	..	..	..	10.00	—	—	—
2.20	—	..	..	..	4.40	3.62	5.00	—
—	—	..	..	..	—	432.00	3.50	—
1.00	—	..	..	..	—	—	—	—
45.00	—	..	..	..	70.00	135.00	140.00	—
1.93	2.00	..	..	..	2.00	2.00	2.00	—
0.74	0.11	..	..	..	1.00	1.00	1.00	—
0.22	—	..	..	..	—	1.00	3.00	—
—	—	..	..	..	—	—	—	—
82.71	82.71	..	62,000 Youth	31,000 Youth	96.00	27.30	40.00	—
3.69	3.69	..	..	..	—	3.75	4.00	—
—	—	..	..	..	—	2.00	27.20	—
—	—	..	..	..	29.00	35.00	35.00	—
59.80	—	..	..	..	200.00	200.00	200.00	—
—	—	..	..	..	189.00	189.00	200.00	—

ANNEXURE  
ANNUAL  
CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985—90 (Aggregate of Five Annual Plan)				
			Total Expenditure	Total Central Assistance released	Targets and Achievements		
					Unit	Target	Achievements
1	2	3	4	5	6	7	8
CS—24	Improvement in Rural Area schools to be implemented on sharing basis with Govt. of India	.. 50:50	—	..	..	..	..
	(ii) Strengthening of Mathematics (Hiadi)	.. —	—	..	..	..	..
	(iii) Strengthening by addition of a component of pre vocational courses at Secondary Stage and non-formal Secondary Vocational Education	.. —	—	..	..	..	..
	(iv) Secondary Education through distant Education modes (open School System)	.. —	—	..	..	..	..
CS—25	Border Area Development Programme (Education)	.. 100%	(1126.16)	..	..	..	..
	(a) Construction of class rooms/libraries/Laboratories for 15 Schools at Rs. 60,000 per class room	.. 100%	—	..	..	..	..
	(b) Science apparatus at Rs. 75,000 per Lab. for 10 labs.	.. 100%	—	..	..	..	..
	(c) Library Books	.. 100%	—	..	..	..	..
	(d) Furniture in Middle/High/Sr. Sec. Schools	.. 100%	—	..	..	..	..
	(e) Gymnasium Halls @ Rs. 7.00 lakhs per school	.. 100%	16.00	..	..	..	..
	(f) Construction of two rooms each in 125 Secondary Schools and also for providing Science equipment and drinking water facilities in these schools	.. 100%	—	..	..	..	..
	(g) Vocational Education	.. 100%	—	..	..	..	..
	(h) District Institution of Education and Training, Ferozepur	.. 100%	68.90	..	..	..	..
	(i) Non-Formal Education/Adult Education	.. 100%	5.00	..	..	..	..
	(j) Jana Shikshana Nilayams	.. 100%	2.60	..	..	..	..
	(k) Youth Development programme for setting up of one Youth Development Centre	.. 100%	36.64	..	..	..	..
	(l) Functional Literacy Programme	.. 100%	—	..	..	..	..
	(m) Provision of basic facilities in Primary Schools						
	(i) To provide full buildings to Single Room Primary Schools at Rs. 100,000 each	.. 100%	286.20	..	..	..	..
	(ii) Drinking water facilities in 1500 schools @Rs. 2,500 each	.. 100%	37.50	..	..	..	..
	(iii) Repair of 285 damaged buildings due to heavy flood @Rs. 30,000 per school	.. 100%	85.50	..	..	..	..

VI

PLAN 1992-93

SPONSORED SCHEMES

Total Expenditure	Annual Plan 1990-91				Annual Plan 1991-92		Approved Plan	Remarks
	Total Central Assistance Released	Targets and Achievements			Provision in the Annual Plan	Anticipated Expenditure	Annual Plan 1992-93	
		Unit	Target	Achievements				
9	10	11	12	13	14	15	16	17
—	..	..	..	—	10.00	10.00	10.00	
—	..	..	..	—	—	56.32	—	—
783.54	..	..	..	—	(3012.60)	(3031.80)	(3863.00)	
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	158.40	—	—
—	..	..	..	—	—	60.00	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	19.20	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	12.60	12.60	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	200.00	—
—	..	..	..	—	—	—	—	—
—	..	..	..	—	—	—	20.00	—



Sr. No.	Name of the Scheme	Pattern of Funding Total	Seventh Plan 1985—90 (Aggregate of Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
1	2	3	4	5	6	7	8
(iv)	Provision of additional Teachers in single Teacher Primary schools	100%	38.64	..	..	..	..
(v)	School furniture in 4095 Govt. Primary schools	100%	—	..	..	..	..
(vi)	Provision of Sports facilities and books in 4095 Govt. Primary schools	100%	—	..	..	..	..
(vii)	Construction of Library/addl. rooms in 4095 Govt. Primary schools	100%	—	..	..	..	..
(n)	Improvement of Middle Schools:—						
(i)	Construction of 184 class rooms @Rs. 60,000 each	100%	110.40	..	..	..	..
(ii)	Science Apparatus in 148 schools @Rs. 10,000 each	100%	14.80	..	..	..	..
(iii)	School furniture in 149 schools @ Rs. 20,000 each	100%	29.60	..	..	..	..
(iv)	Drinking water facilities in 100 schools @ Rs. 1,000 each	100%	11.00	..	..	..	..
(o)	Improvement of High Schools, Construction of—						
(i)	Science Block	100%	—	..	..	..	..
(ii)	120 Library rooms @ Rs. 60,000 each	100%	72.00	..	..	..	..
(iii)	138 Science Labs. @ Rs. 1.20 lacks	100%	165.50	..	..	..	..
(iv)	Drinking water facility in 100 schools @ Rs. 10,000 each	100%	10.00	..	..	..	..
(p)	Senior Secondary Schools—						
(i)	12 library rooms @ Rs. 60,000 each	100%	7.20	..	..	..	..
(ii)	15 Science Labs. @ Rs. 1.20 lakhs	100%	18.00	..	..	..	..
(iii)	Drinking water facilities in 10 schools at Rs. 10,000 each	100%	1.00	..	..	..	..
(q)	Civil Works and purchase of Science equipment/furniture/library books in 4 colleges of the Border Districts	100%	66.00	..	..	..	..
(r)	Over Head Projects	.. 100%	—	..	..	..	..
(s)	Stipends to talented students	.. 100%	—	..	..	..	..
(t)	Commerce Group	.. 100%	—	..	..	..	..
CS-26	National Policy on Education	..	(1392.53)	..	..	..	..
(i)	Provision of an additional Teacher in Single Teacher Primary School	100%	189.38	..	..	..	..



ANNEXURE  
ANNUAL PLAN  
CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985—90 (Aggregate of Five Annual Plan)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
					Unit	Target	Achievements
1	2	3	4	5	6	7	8
(ii)	Provision of essential facilities in Govt. Primary Schools @ per school viz. Toys, Maps and Rs. 7215 Books etc.	.. 100%	306.16	—	..	..	..
(iii)	Teacher education-Establishment of DIETS	.. 100%	335.25	—	..	..	..
(iv)	Strengthening of College of Teacher Education and Institutes of Advanced studies in education	.. 100%	110.15	—	..	..	..
(v)	Setting up vocational wings at District Directorate and provision of instruction materials in schools	(50:50) (75:25)	211.59	—	..	..	..
(vi)	Setting up of inservice Training Orientation centres for Principals/Headmasters and teachers of High/Hr. Sec. Schools	.. 100%	—	—	..	..	..
(vii)	Inservice Training to Voc. Masters/teachers	.. 100%	—	—	..	..	..
(viii)	Inservice Training to Librarians SLA/JLA working in the schools	.. 100%	—	—	..	..	..
(ix)	Strengthening of existing Govt. Inservice Training Centres	.. 100%	—	—	..	..	..
(x)	Strengthening of SCERT Punjab	100%	—	—	..	..	..
(xi)	Environmental orientation to school education	.. 100%	—	—	..	..	..
(xii)	Promotion of Yoga	.. 100%	—	—	..	..	..
(xiii)	Construction of additional room for conversion of primary schools to model school (100 schools)	.. 100%	—	—	..	..	..
CS-27	Grant-in-aid to the State Sports Council	.. 100%	240.00	—	..	..	..
Total		—	4198.80	173.98	..	..	..

## VI

1992-93

## SPONSORED SCHEMES

Total Expenditure	Annual Plan 1990-91				Annual Plan 1991-92		Approved Plan	Remarks
	Total Central Assistance Released	Targets and Achievements			Provision in the Annual Plan	Anticipated Expendi- ture	Annual Plan 1992-93	
		Units	Targets	Achievements				
9	10	11	12	13	14	15	16	17
—	..	..	..	..	—	—	—	—
—	..	..	..	..	—	—	—	—
—	..	..	..	..	—	88.50	425.00	—
10.65	..	..	..	..	44.00	14.00	44.00	—
295.60	..	..	..	..	529.15	450.46	550.00	—
—	..	..	..	..	—	—	—	—
—	..	..	..	..	—	—	—	—
—	..	..	..	..	—	—	170.00	—
—	..	..	..	..	—	—	100.00	—
3.20	..	..	..	..	3.20	36.00	3.00	—
3.00	..	..	..	..	3.00	3.86	3.00	—
—	..	..	..	..	—	—	—	—
—	..	..	..	..	—	—	—	—
1528.56	..	..	..	..	4824.79	5386.86	6700.00	—

ANNEXURE  
DRAFT EIGHTH YEAR PLAN  
CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
1	2	3	5	6	Unit	Target	Achievements	
<b>Medical and Public Health</b>								
CS-I	National Malaria Eradication Programme (Rural)	.. 50:50	1750.00	—	—	—	—	
CS-II	National Malaria Eradication Programme (Anti Larva Urban)	.. 50:50	250.00	—	—	—	—	
CS-III	National T.B. Control Programme	50:50	100.00	—	—	—	—	
CS-IV	Provision of Addl. Laboratory Technicians at each PHC	... 50 : 50	601.00	—	—	—	—	
CS-V	Continuing Education of PHCs (RHS Rural Health Services)	50 : 50 (Recurring Exp.)	20.00	—	—	—	—	
	<b>Total</b>	..	2721.00	—	—	—	—	
CS-VI	National Leprosy Control Programme.	100%	30.00	—	—	—	—	
CS-VII	National Programme for the Control of Blindness	.. 100%	120.45	—	—	—	—	
	<b>Total</b>	..	150.45	—	—	—	—	
<b>Family Welfare Programme</b>								
CS-VIII	(i) Direction and Administration	.. 100%	273.00	—	—	—	—	
	(ii) Revamping of Orgn. Services	.. 100%	1.75	—	—	—	—	
2.	(i) Rural Family Welfare Services (of which capital contents)	.. 100%	1793.79	—	—	—	—	
	(ii) Renovation of I.U.D. 100 Rooms into O.T. (of which capital content)	100%	—	—	—	—	—	
	(iii) Universal Immunisation Cov.	.. 100%	—	—	—	—	—	
<b>3. Urban Family Welfare Services—</b>								
	(i) Urban Family Welfare Services	.. 100%	154.22	—	—	—	—	
	(ii) Revamping of Organisation of Services of Delivery	100%	146.11	—	—	—	—	
<b>Maternity and Child Health</b>								
	(i) Expansion of MTP Cases	100%	—	—	—	—	—	
	(ii) Drugs and Dressing for MTP Cases	100%	—	—	—	—	—	
	(iii) Oral Rehydration Therapy	100%	—	—	—	—	—	
	(iv) Transport	100%	104.46	—	—	—	—	

VI

## 1992-97 AND ANNUAL PLAN 1992-93

## SPONSORED SCHEMES

Total Expendi- ture	Total Central Assist- ance Released	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
		Target and		Achievement	Provision in the Annual Plan	Anticipated Expendi- ture	Approved Outlay	
		Unit	Target	Achieve- ment				
9	10	11	12	13	14	15	16	17
236.45	—	—	—	—	149.75	195.75	170.00	—
56.83	—	—	—	—	50.00	75.00	50.00	—
6.28	—	—	—	—	42.00	48.00	54.00 (12.00)	—
—	—	—	—	—	20.00	18.40	26.00	—
—	—	—	—	—	6.00	1.15	7.50	—
299.56	—	—	—	—	267.75	338.30	307.50	—
—	—	—	—	—	8.00	28.00	32.00	—
10.80	—	—	—	—	12.00	54.00	35.50	—
10.80	—	—	—	—	20.00	82.00	67.50	—
86.95	—	—	—	—	115.00	85.00	135.00	—
2.01	—	—	—	—	2.00	2.60	2.10	—
508.56	—	—	—	—	656.05	576.05	750.00 (50.00)	—
6.30	—	—	—	—	3.50	3.50	3.50 (2.10)	—
—	—	—	—	—	50.00	55.00	65.00	—
37.69	—	—	—	—	40.00	35.00	40.00	—
191.05	—	—	—	—	111.15	156.15	130.00	—
1.48	—	—	—	—	1.80	1.70	1.80	—
1.16	—	—	—	—	2.25	2.25	2.40	—
—	—	—	—	—	17.00	17.72	22.00	—
82.50	—	—	—	—	63.00	35.00	45.00	—

ANNEXURE  
DRAFT EIGHTH FIVE YEAR PLAN  
CENTRALLY

Sr. No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			Total Expenditure	Total Central Assistance Released	Targets and Achievements		
					Unit	Target	Achievements
1	2	3	4	5	6	7	8
	Compensation						
	(i) Compensation for the cases of sterilisation and IUD insertion	100%	1258.82	—	—	—	—
7	Mass Education						
	(i) Mass Media Activities	100%	73.46	—	—	—	—
	(ii) Flexible Approach Scheme	100%	—	—	—	—	—
8	Other Services and Supplies extension of PP Programme	100%	508.23	—	—	—	—
	Total		4313.84	—	—	—	—
9	Research and Evaluation	100%	12.59	—	—	—	—
10	Training						
	(i) Training of ANMS/MPW (F) of 6 Schools	100%	—	—	—	—	—
	(ii) Training of Dais	100%	—	—	—	—	—
	(iii) Special Assistance to Scheduled Caste Dais	100%	—	—	—	—	—
	(iv) Special Assistance to SC candidates for Training for MPW (M) and health and Family Welfare Training Centres, Kharar, Nabha and Amritsar	100%	—	—	—	—	—
	(v) Special Assistance to S. C. Trainees (Female)	100%	—	—	—	—	—
	(vi) Special Assistance for Opening of 3 Multipurpose Workers Schools (M) at Kharar, Nabha and Amritsar	100%	—	—	—	—	—
	(vii) Crash Training Programme of ANMs/CHYs/LHVs	100%	—	—	—	—	—
11	CS-11 Other Expenditure	100%	376.76	—	—	—	—
	(i) Central Award Money						
12	CS-12 Community Health Guide	100%	391.94	—	—	—	—
13	CS-13(B) World Bank ..	100%	—	—	—	—	—
	I.P.P.-VII-World Bank Assistance Area Project (of which capital content)						
	Total ..		781.29	—	—	—	—

VI

1992-97 AND ANNUAL PLAN 1992-93

SPONSORED SCHEMES

Total Expendi- ture	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan 1992-93	Remarks	
	Total Central Assist- ance Released	Targets and Achievements			Provision in the Annual Plan	Anticipated Expendi- ture		Outlay Approved
		Unit	Target	Achieve- ments				
9	10	11	12	13	14	15	16	17
215.36	—	—	—	—	275.00	255.00	275.00	—
14.00	—	—	—	—	16.80	30.00	100.00	—
1.70	—	—	—	—	1.70	1.70	2.20	—
206.75	—	—	—	—	286.80	246.80	300.00 (50.00)	—
1355.51	—	—	—	—	1642.05	1503.47	1874.00	—
4.69	—	—	—	—	1.50	1.50	1.60	—
—	—	—	—	—	35.00	30.79	45.20	—
—	—	—	—	—	5.00	2.25	6.50	—
—	—	—	—	—	5.00	2.02	6.50	—
—	—	—	—	—	2.00	0.80	2.60	—
—	—	—	—	—	11.00	8.50	14.30	—
—	—	—	—	—	21.00	13.37	27.30	—
—	—	—	—	—	3.00	2.38	2.50	—
500.00	—	—	—	—	600.00	250.00	350.00	—
70.00	—	—	—	—	69.94	69.94	81.52	—
—	—	—	—	—	1230.85	410.00	1400.00 (670.00)	—
574.69	—	—	—	—	1984.29	791.55	1938.02	—



ANNEXURE  
DRAFT EIGHTH FIVE YEAR PLAN  
CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			Targets and Achievements				
			Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements
1	2	3	4	5	6	7	8
CS-1	Establishment of Eye Bank at Medical Colleges Patiala and Amritsar under the Scheme National Control of Blindness (Recurring for each Eye bank	100%	4.00	—	—	—	—
	Total		4.00	—	—	—	—
<b>ISM-AREA-1(C.S.)</b>							
	Upgradation of Govt. Ayurvedic Colleges, Patiala into inst. of higher studies in Ayurvedica Estt. of Ayurveda Esttl of more graduate Deptt. under Eighth Five Year Plan	100%	—	—	—	—	—
1 (ii)	Estt. of State Drug Lab. at Ayurvedic College, Patiala	100%	—	—	—	—	—
1	(ii) Estt. of Herb Garden at Moti Bag Bir Patiala under the Ayurvedic College, Patiala	100%	—	—	—	—	—
<b>2. ISM-AER-IV</b>							
	Grant-in-aid to Private Ayurvedic College affiliated in Universities functioning in the State	100%	—	—	—	—	—
	Total		—	—	—	—	—
Grand Total DHS+DRME+Ayurvedic			—	7970.58	—	—	—
<b>N.C.S.F.</b>							
1	Setting up of State Level & Block Level IREP Cells.	100%	17.32	17.32	Cells	6	6
2	Creation of Bio-gas Cell and installation of Bio-gas plants in Punjab	100%	299.61	303.90	Biogas	900	9632
<b>HOUSING</b>							
CS-3	Housing Building loan to All India Service	Centre 100%	N.A.	N.A.	N.A.	N.A.	N.A.
<b>URBAN DEVELOPMENT</b>							
CS-2	Integrated Dev. Programme of small and medium towns	Centre/State 50:50	—	—	—	—	—
CS-4	Redevelopment of Area around Golden Temple Complex Amritsar	Centre 100%	—	—	—	—	—

VI—Contd.

1992-97 AND ANNUAL PLAN 1992-93

SPONSORED SCHEMES

(Rs in Lacs)

Annual Plan 1990-91		Targets and Achievements			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	Provision in the Annual Plan	Anticipated Expenditure	Approved Outlay	
9	10	11	12	13	14	15	16	17
0.60	—	—	—	—	0.90	0.90	0.90	—
0.60	—	—	—	—	0.90	0.90	0.90	—
—	—	—	—	—	43.00	43.00	37.00	—
—	—	—	—	—	2.00	2.00	5.00	—
—	—	—	—	—	4.00	4.00	5.00	—
—	—	—	—	—	2.00	2.00	5.00	—
—	—	—	—	—	51.00	51.00	52.00	—
<b>2240.56</b>	—	—	—	—	<b>3965.99</b>	<b>2767.22</b>	<b>4239.92</b>	—
7.51	3.75	Cells	2	2	7.88	11.00	14.00	Funds for creation Disst. Block Level IREP Cells.
85.85	70.74	Bio-gas	2200	2334	102.00	89.50	89.00	
25.00	25.00	—	—	—	25.00	25.00	30.00	
75.00	75.00	—	—	—	100.00	100.00	150.00	
—	—	—	—	—	—	—	476.00	

ANNEXURE  
DRAFT EIGHT FIVE YEAR PLAN  
CENTRALLY

Serial No.	Name of the Scheme	Pattern of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)					
			Total Expenditure	Total Central Assistance Released	Targets and Achievements			
					Units	Target	Achievements	
1	2	3	4	5	6	7	8	
CS-5	Nehru Rozgar Yojna	Centre/ State 50:50	—	—	—	—	—	
CS-6	Urban Basic Services	Centre 100%	—	—	—	—	—	
CS-7	Counter Magnet to NCR, New Delhi	State/ Centre 50:50	—	—	—	—	—	
<b>PUBLIC WORKS</b>								
CS-8	Strengthening of Revenue Administrative and updating of Law Records	50: 50	—	—	—	—	—	
<b>RURAL WATER SUPPLY</b>								
CS-9	(i) Accelerated Rural Water Supply	100% GOI	3343.22	2902.55	No. of Villages	300	517	
	(ii) Rural Sanitation	100%	—	—	—	—	—	
<b>WELFARE OF SCs / BCs</b>								
CS-1	Setting up of Residential Institutes for IAS/PCS and Allied Services/ Banking/LIC and PMT/PET coaching to SCs	50:50	35.72	6.70	—	—	—	
CS-2	Hostel for Boys and Girls in Schools/ Colleges	50:50	9.20	4.60	—	—	—	
CS-3	Prematric scholarship to children of those engaged in unclean occupation	50:50	55.18	27.59	—	—	—	
CS-4	Share Capital Contribution to PSCFC	51:49	368.98	154.45	—	—	—	
CS-5	(a) Removal of untouchability	50:50	30.68	15.34	—	—	—	
	(b) Liberation of scavengers	50:50	47.91	42.00	—	—	—	
<b>Social Security and Welfare—</b>								
CS-1.1	Enforcement of Juvenile Justice Act, 1986	50:50	13.90	6.95	—	—	—	
CS-1.2	Share capital contribution to PUNWAC	51:49	208.32	90.32	—	—	—	
CS-1.3	Petrol subsidy to the physical handicapped	100%	0.07	0.07	—	—	—	
CS-1.4	Services for children in need of care and protection	45:45	1.66	0.33	—	—	—	
	Total	—	223.95	97.67	—	—	—	
CS-1.1	Defence Services Welfare preparation of Exservicemen for self employment	50:50	28.38	14.19	—	—	—	
	Total	—	28.38	14.19	—	—	—	

## VI—Contd.

## ANNUAL PLAN 1992-93

## SPONSORED SCHEMES

Annual Plan 1990-91		Targets and Achievements			Annual Plan 1991-92		Annual Plan 1992-93	Remarks
Total Expenditure	Total Central Assistance Released	Unit	Target	Achievements	Provision in the Annual Plan	Anticipated Expenditure	Annual Plan 1992-93	
9	10	11	12	13	14	15	16	17
241.05 (State)	241.05	—	—	—	100.00	100.00	120.00	
—	—	—	—	—	39.00	39.00	40.00	
—	—	—	—	—	200.00	200.00	—	
—	—	—	—	—	162.50	162.50	100.00	
494.78	384.00	—	85	141	1000.00	1150.00	1500.00	
—	—	—	—	—	—	—	175.00	
8.13	3.10	Coaching to students	PMT=28 PO=28 RBI=23 IAS=30	PMT=28 PO=28 RBI=23 IAS=30	8.00	8.00	19.00	
3.00	1.50	Hostels	3	3	1.50	1.50	2.50	
33.56	16.78	Hostel	110	57	51.66	51.66	10.00	
11.95	118.46	Bens	340	18	153.00	153.00	163.81	
12.00	6.00	Intercaste Marriage Debate seminars T.V. films Grant and payment		=40 =10 = 1 =40	10.00	9.38	12.00	
—	—	—	—	—	70.00	—	—	
—	—	—	—	—	30.00	30.00	25.00	
70.00	30.00	—	—	—	40.00	40.00	50.00	
—	—	—	—	—	0.05	0.05	0.10	
—	—	—	—	—	—	2.18	4.00	
70.00	30.00	—	—	—	70.25	72.23	79.10	
1.63	1.63	bens	375	292	7.00	7.00	7.00	
1.62	1.63	bens	375	292	7.00	7.00	7.00	

Sr. No.	Name of the Scheme	Pattern of of Funding	Seventh Plan 1985-90 (Aggregate of Five Annual Plans)				
			(Aggregate of Five Annual Plans)				
			Total Expendi- ture	Total Central Assist- tance Released	Targets and Achievements		
Unit	Target	Achieve- ments					
1	2	3	4	5	6	7	8
<b>PSIPA</b>							
CS-1.1	Assistance State trg. Institute on Distt. Planning	50:50	—	—	—	—	—
	Total	—	—	—	—	—	—
<b>1 LABOUR AND LABOUR WELFARE</b>							
	World Bank Projects	50:50					
CS-1	(i) Upgradation of Government I.T.Is improving the quality of training and replacement of machinery	50:50	285.27	142.63	—	—	—
	(ii) Setting up of project management at state Level	50:50	3.60	1.80	—	—	—
	(iii) Introduction of new Trades in existing I.T.Is.	50:50	1.20	0.60	—	—	—
	(iv) Setting up of related Instruction centres	50:50	—	—	—	—	—
	(v) Introduction of A.V. and T.S.	50:50	—	—	—	—	—
	(vi) Setting up of Basic Trg. Centres	50:50	—	—	—	—	—
	(vii) Setting up of existing I.T.I. and introduction of Addl. seats	50:50	—	—	—	—	—
	(viii) Provision of A.V. aids	50:50	—	—	—	—	—
	(ix) Estt. of maintenance system	50:50	—	—	—	—	—
	(x) Introduction of post skill development courses	50:50	—	—	—	—	—
	(xi) Setting up of 5 new I.T.I. for girls	50:50	—	—	—	—	—
	Total	—	290.07	145.03	—	—	—
CS-2	Improvement of Infrastructural activities and construction of Buildings and Hostel for craftsmen trg. centre/construction of schools under B.A.D.P.	100%	228.00	228.00	—	—	—

## VI

## PLAIN 1992-93

## SPONSORED SCHEMES

Total Expenditure	Total Central Assist- tance Released	Annual Plan 1990-91			Annual Plan 1991-92		Annual Plan	Remarks
		Targets and Achievements			Provision in the Annual Plan	Anticipated Expendi- ture	Annual Plan 1992-93	
		Unit	Target	Achieve- ments				
9	10	11	12	13	14	15	16	17
2.25	1.00	Programme of Decentrali- sed Planning	9	9	5.00	3.00	6.19	
2.25	1.00	—	9	9	5.00	3.00	6.19	
247.39	123.70	—	—	—	60.16	60.16	81.30	
5.36	2.68	—	—	—	2.83	2.83	2.83	
5.23	2.62	—	—	—	39.50	39.50	29.25	
—	—	—	—	—	8.00	8.00	8.35	
—	—	—	—	—	11.35	11.35	21.20	
—	—	—	—	—	10.25	10.25	14.50	
—	—	—	—	—	74.29	74.29	70.20	
—	—	—	—	—	7.20	7.20	12.00	
—	—	—	—	—	18.08	18.08	27.25	
—	—	—	—	—	3.00	3.00	6.35	
—	—	—	—	—	39.50	39.50	50.00	
257.98	128.69	—	—	—	274.16	274.16	323.23	
134.17	134.17	—	—	—	300.00	300.00	300.00	