



ANNUAL PLAN

1990-91

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GOVERNMENT OF PUNJAB
DEPARTMENT OF PLANNING

ANNUAL PLAN

1990-91



PLANNING DEPARTMENT
PUNJAB

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CHAPTER I

ANNUAL PLAN 1990-91

INTRODUCTION

The Seventh Plan size for the Punjab State had been fixed at Rs. 3285.00 crores. The expenditure during the first four years of the Seventh Plan has been Rs. 2677.14 crores. An outlay of Rs. 789.00 crores, including Rs. 89.00 crores exclusively earmarked for Police, has been provided for the year 1989-90. An allocation of Rs. 905.00 crores has been approved for the Annual Plan 1990-91.

1.2. Special attention has been directed towards the rural sector of the State, and an amount of Rs. 551.19 crores has been kept for the rural areas under various programmes. This takes into consideration the allocation for Agriculture, Rural Development, Special Area Programmes (for the development of Kandi areas) Irrigation and Flood Control, energy portion being utilised in rural areas, village industry, rural roads, rural transport, education, health, rural water supply and sanitation and rural housing. This is about 60.91 per cent of the total plan size.

1.3. Traditionally, Irrigation and Power sector accounted for approximately 62% of the total Seventh plan size. Keeping in view the relative importance of other correlated activities, the State Government has consciously kept the allocation in this capital intensive sector to Rs. 435.00 crores which comes to 48% of the total plan allocation for the year 1990-91. However, it will be ensured that adequate and uninterrupted power supply is made available to the consumers by making the operating system more efficient & economical. In the Power sector, Ranjit Sagar Dam and Ropar thermal Project Stage-III have been accorded due priority in the allocation of funds. An amount of Rs. 145.00 crores has been provided for the Ranjit Sagar Dam while Rs. 80.00 crores have been provided for RTP Stage-III to meet the additional demand of power during the Eighth Plan.

1.4. Realising the importance of District Planning as an important tool for balanced, effective and meaningful development of the area and keeping in view the priorities indicated by the Planning Commission and the policy of the new Central Government, the State Government have implemented this programme for decentralisation of planning process from State to district level and have undertaken formulation of District Plans in order to encourage people's participation in the planning process at grass root level. Decentralised Planning has been pursued in the State since 1987 on the lines suggested by the Working Group set up by the Planning Commission. Development strategy in this respect revolves round (i) specific needs of the people, (ii) Growth potential of the area and (iii) the budgeted allocation available. 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. During 1988-89 and 1989-90 untied funds to the tune of Rs. 5.70 crores and Rs. 14.47 crores respectively have been made available to the District level planning machinery for expending funds in accordance with the felt needs of the people and to incur expenditure of non-recurring nature in order to bridge the gaps and for increasing the effective use of capital assets already created in the districts. This process is to be further strengthened during 1990-91 by taking the planning & implementation of a number of schemes relating to both rural & urban areas to the District level. An extensive exercise has been carried on to identify the schemes and programmes of each department which can be implemented, supervised and coordinated at the district level. An amount of Rs. 255.50 crores has been earmarked as devolution of funds to the districts under various schemes & also as untied funds. This is likely to mop up additional resources in the form of contribution by community wherever feasible and lead to greater satisfaction on account of the sense of participation & a more equitable distribution of resources.

1.5. One of the major problems facing the State of Punjab is widespread unemployment among the rural educated youth. The youth of Punjab are more interested in wage employment in the military forces, but recent experience of a programme implemented in the border villages has shown that the youth are not coming upto the physical fitness standards of these services. In the case of self-employment schemes also, there is lack of awareness and the know how of getting training, loans etc. In the Plan for 1990-91, it is proposed to introduce a new scheme to help the young eligible persons to find wage or self employment. It is proposed to organise camps which would provide both training and motivation to such unemployed youths. After these camps, the persons would be guided in various vocations based on aptitude and qualifications. For this purpose it has been proposed to keep Rs. 8.00 crores during the year 1990-91 to provide training to 10,000 unemployed persons during the year to make them eligible for wage as well as self employment. The Government has already a number of schemes under which loans and subsidies are provided for self-employment in agro-based sector. In addition, it has been decided to launch a new scheme in the State under which youth shall be motivated to adopt self-employment ventures by setting up small scale manufacturing units by raising loans from the financial institutions. The State Government would provide subsidy to the extent of 20% of the loan contracted by the beneficiaries subject to a maximum of Rs. 20,000. An amount of Rs. 3.00 crores

has been provided for this purpose. This is likely to benefit about 1800 persons. The amount being provided to PSIDC and Agro-based Industries Corporation and the units in the Cooperative and Electronic Sector is likely to create a direct employment of 20,000 persons besides creating a multiplier effect. In the case of scheduled castes and weaker sections about 25% of these persons will cross the poverty line during 1990-91.

1.6. The concept of Special Component Plan was introduced in 1979-80 with a view to quantify funds out of the general sector schemes in favour of Scheduled Castes. The Govt. of India also launched a 100% Centrally Sponsored Scheme 'Special Central Assistance for Special Component Plan' from the year 1979-80. The Special Central Assistance funds are used for economic development and income generating schemes for the scheduled castes below poverty line and in conjunction with State funds. Planning Department has made special efforts to formulate composite and well defined programme for economic development of Scheduled Castes i.e. 'Integrated Leather Development' containing Stallfed Goat Rearing, Setting up modern abattoir, Commercially viable Flaying Centres, Tanneries and conversion of Tanned Leather into leather Products, to provide employment to about 1,00,000 persons. The first phase of the project i.e. Stallfed Goat Rearing will be launched in 1990-91 to cover about 1000 families. Other components of the project will be implemented subsequently during the year after the feasibility reports are received. Special Schemes are being included in the Plan for rehabilitation of scavengers being liberated from traditional unclean profession. It will be ensured that these persons are rehabilitated by giving gainful employment through training or through self-employment economic ventures where infrastructure needs will be made available by Government. Special emphasis is being given for the rehabilitation and uplift of leather artisans. A plan is being worked out for providing housing facilities to the homeless local farm labour and homeless families in the urban areas, particularly the scheduled castes.

1.7. In order to accelerate the pace of agriculture development in the State, it is proposed to lay added stress on diversification. Stress is also being laid to ensure the completion of prestigious projects initiated during the Seventh Plan like Bagasse Based News Print/Fine Paper Project, Integrated Large Scale Food & Beverage Project, promotion of decentralised Processing, Potato/Grain Based Snack Food & Riboflavin maize Fermentation etc. A substantial step up of allocation has been proposed for Agriculture and Allied Activities especially for Agro-industrial activity, to meet the tempo of agriculture production. The emphasis laid on diversification is in line with the policy announced by the Government of India and the Planning Commission. Under Animal Husbandry, the emphasis would continue on providing efficient health cover and to improve the breed of cattle in the State. To provide multi-disciplinary services to costly livestock in various

clinical fields, it is proposed to import about 2.00 lakh frozen semen doses of proven bulls to uprate the breed of cattle and buffaloes. Soil Conservation works in the Kandi Backward Tract are also proposed to be taken up at an accelerated pace and it is proposed to take up construction of flood control-cum-water harvesting structures on large scale in Ropar & Hoshiarpur Districts so as to harness the choes to reduce flood havoc and to check total crop failure in a drought year.

1.8. In the Industrial Sector, the objective is to generate adequate self employment opportunities without affecting the efficiency and growth. A mix of hi-tech and labour oriented technologies will be adopted to have a harmonious growth. The new Industrial Policy introduced in 1989 to be operated throughout the 8th Plan Period proposes to accelerate the pace of industrialisation through active participation of private, public and the cooperative sectors with particular stress on village & small scale industries. The policy thrust is on the coordinated development of the small & tiny sectors together with the growth of large & medium industries needed to support this sector. It lays special stress on development of manpower, strengthening of infrastructural facilities, extension services, modernisation and technology upgradation with a time bound implementation. This policy also aims to encourage 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 allocation has been stepped up from Rs. 23 crores to Rs. 47 crores, including Rs 17-69 crores devolved to the Districts, in the Industrial Sector alone. In other sectors like cooperatives, Electronics and agro-based industries there is a big step up making the total allocation almost 10% of the total Plan size for this sector. To ensure that the allocation is effectively utilised, due importance has been attached to the development of Science and Technology, Research and Modernisation programmes.

1.9. The Urban Sector on the whole has been receiving very little attention during the last few years though the migration from rural to urban areas is on the increase. To take care of the needs of the growing urban population, an allocation of about Rs. 45.00 crores has been made to this sector and it is also being ensured that the work of Planning & implementation is decentralised to the local bodies.

1.10. Introduction of computers in Government Departments aims at improving the process of decision making, of programme implementation, monitoring and coordination. The computer centres have been set up in the offices of Deputy Commissioners in all the districts of the State. Under NICNET programme, a satellite based computer network linking all district headquarters to the State Headquarters has been established in Punjab.

CHAPTER II

AGRICULTURE AND RURAL DEVELOPMENT (I)

Punjab is a agriculturally dominated economy. Apart from supporting directly or indirectly 80 per cent of the population, Agriculture Sector of this State substantially contributes towards the central pool of Wheat and Paddy.

To the people of the State, Agriculture, not only provides subsistence but also provides a reasonable standard of living. Despite the fact that Punjab happens to be on the sensitive International border and is continuously reeling under disturbed conditions for the last many years, it has able to maintain its pioneering position amongst the States of India in terms of economic growth and a high level of per capita income. The State with only 1.6 per cent of the country's area has earned distinction of producing about 24 per cent of Wheat and Cotton and 10 per cent of rice. In addition, Punjab enjoys an enviable position among States of India in the Productivity per hectare, Irrigation intensity, fertilizer use and electricity consumption etc.

2.2 As Punjab is the premier State to reap the fruits of green revolution, it has been able to bring its 84 per cent area under cultivation and its cropping intensity has reached the climax point i.e. 175.7%.

2.3 One of the salient features of the agricultural economy of the State is the dominance of Wheat-Paddy rotation since the post-green revolution period which is mainly attributed to major technological break through in these crops and a reasonable financial return. Owing to the strong grip of this traditional rotation, a big chunk of the area sown in the Rabi season and kharif season is under wheat and paddy. The predominance of this rotation since decades has had some serious repercussions 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 under ground water table, intensive use of energy, casting disastrous impact on the industrial sector of the economy.

2.4 Considering the hazardous effects of this mono-culture, attempts have already been initiated to restructure the cropping pattern through diversification of some area from the Wheat-Paddy to commercial crops like Oilseeds, Pulses, Vegetables, Fruits, Sugarcane Cotton etc. which are not only profitable but also comparatively less water intensive. No doubt the hold of Wheat-Paddy rotation has loosened somewhat consequent upon continuance of attempts to withdraw some area from these crops in the previous plans, yet a lot needs to be done on this front to relieve a sizeable area from this monoculture.

Objective and Strategy for the Annual Plan 1990-91 :

2.5 During 1990-91, vigorous attempts would be continued to withdraw a sizeable area from the hold

of much maligned Wheat,—Paddy to the profitable and comparatively less water consuming crops like Oilseeds, Pulses, Fruits & Vegetables, Sugarcane etc. through the following measures :—

- (i) supply of certified seed of high yielding/ improved varieties to the farmers;
- (ii) introduction of new technique of tissue culture/biotechnology for supply of healthy/ high yielding and disease resistant varieties of seeds to the farmers.
- (iii) expansion of the Soil/Fertilizer/Seed Testing facilities by increasing the number of laboratories.
- (iv) to ensure timely supply of quality inputs to the farmers, efforts would be made to introduce biofertilizer which is cheaper as well as effective in comparison to the Chemical fertilizer.
- (v) continuance of land reclamation programme with added vigour.
- (vi) encouraging switch over to Commercial Crops particularly fruits & vegetables Oilseeds/Pulses and sugarcane through effective implementation of ongoing programmes including Centrally Sponsored ones to popularise their cultivation.
- (vii) laying stress on the setting up of agro—based/food/fruit processing industrial units to provide ready/remunerative market for the agricultural produce particularly of fruits & vegetables which are perishable in nature.
- (viii) shifting emphasis from Crop Husbandry to the allied activities/occupations like animal husbandry, forestry, fishery poultry, bee keeping, mushroom cultivation etc. through evolving proper linkages, and
- (ix) continuing emphasis on promotion of dry land farming in the arid/sub-montane zone of the State.

Land Utilisation

2.6. The percentage of area cultivated in Punjab is more than 84% of the State's geographical area which is a record in the country. 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. The following table 2.1 would reveal the position of land use in the last few years.

TABLE 2.1
LAND UTILISATION IN PUNJAB

(000 hectares)

Item	1979-80	1984-85	1985-86	1986-87	1987-88	1988-89
1	2	3	4	5	6	7
Geographical Area	5036	5036	5036	5036	5036	5036
Reported Area	5033	5033	5033	5033	5033	5033
Forest Area	217	221	221	220	224	222
Land not available for cultivation	531	519	517	519	525	508
Other uncultivated land excluding fallow lands	52	49	47	44	49	47
Current fallow land	51	55	51	48	78	51
Net cultivated area	4182	4189	4197	4202	4157	4205
Percentage of reported area	83	83	83	83	83	84
Gross cropped area	6535	7013	7158	7217	7326	7387
Cropping Intensity	156.3	167.4	170.5	171.7	172.5	175.7

Yield

2.7. Today Punjab is in the strong grip of Wheat-Paddy rotation. Despite efforts of the Department of Agriculture to diversify some area from this rotation towards other commercial/remunerative crops the 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 main 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 2.2 given below:—

TABLE 2.2
YIELD OF VARIOUS CROPS IN PUNJAB

(Kg./Ha.)

Crop	1979-80 Actuals	1984-85 Actuals	1985-86 Actuals	1986-87 Actuals	1987-88 Actuals	1988-89 Actuals	1989-90 (P)
1	2	3	4	5	6	7	8
Rice	2604	3073	3200	3331	3164	2772	3150
Jowar	649	1000	1058	1000	1000	1000	1000
Maize	1723	1895	1585	2022	1567	1176	1910
Wheat	2797	3289	3531	2966	3540	3668	3651
Sugarcane (Gur)	5099	6226	6468	6300	5487	6188	6510
Cotton (Ginned)	326	447	427	507	510	475	543

Crop Production ;

2.8. In the sphere of agricultural production, this State holds a place of pride in the country being the largest contributor towards Central pool of Wheat and Paddy as more than 50% of the rice and 60% of wheat is contributed by this State alone. With 2.5% of India's population and 1.6% of the area, Punjab is producing

about 24% of country's Wheat and Cotton and 10% of the Paddy. The production of Wheat and rice in the State is anticipated around 116.25 lakh tonnes and 67.00 lakh tonnes respectively in the year 1989-90. The Production position of Principal Crops during Seventh Five Year Plan and target for 1990-91 is indicated below in table 2.3

TABLE 2.3
OUTPUT OF PRINCIPAL CROPS IN PUNJAB

Item	Unit	1979-80	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90		1990-91
		Achievement	Achievement	Achievement	Achievement	Achievement	Achievement (P)	Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9	10	11
Wheat	000 tonnes	7868	10176	10988	9447	11084	11576	11300	11625	11500
Rice	..	3052	5052	5485	5949	5442	4942	6000	6697	6200
Maize	..	677	576	412	528	365	292	600	399	500
Bajra	..	47	60	28	28	13	15	30	10	20
Barley	..	73	83	109	80	89	121	110	110	110
Other Cereals—										
Jowar	..	1	1	1	—	1	3	—	1	—
Total Cereals		11718	15948	17023	16032	16994	16949	18040	18842	18330

Item	Unit	1979-80 Achievement	1984-85 Achievement	1985-86 Achievement	1986-87 Achievement	1987-88 Achievement	1988-89 Achievement (P)	1989-90 Target	Anticipated Achievement	1990-91 Target
1	2	3	4	5	6	7	8	9	10	11
Gram	..	157	60	98	82	29	76	85	55	80
Other Pulses	..	31	90	105	101	69	57	115	64	120
Total Pulses		188	150	203	183	98	127	200	119	200
Total Foodgrains		11906	16098	17226	16215	17092	17076	18240	18961	18530
Groundnut	..	81	45	43	40	23	19	30	18	20
Other Oilseeds	..	76	146	159	125	186	129	281	206	281
Total Oilseeds		157	191	202	165	209	148	311	224	301
Sugar cane (Gur)	..	393	488	504	611	582	606	700	664	700
Cotton	'000' bales	1207	1238	1403	1691	1859	2118	2000	2341	2100

2.9. The production of two dominant cereal crops i.e. Wheat and Rice has registered an enormous increase in the post-green revolution which is evident from the table given above. The production of wheat which was 101.76 lakh tonnes in the year 1984-85 shot up to 109.88 lakh tonnes in the year 1985-86 and further increased to 110.84 lakh tonnes in 1987-88 leaving aside an adverse year of drought i.e. 1986-87 when the production fell steeply to 94.47 lakh tonnes. As against the likely production of 115.76 lakh tonnes during 1988-89 a production of 116.25 lakh tonnes is anticipated during the closing year of 7th Five Year Plan 1989-90. The target for 1990-91 has been fixed at 115.00 lakh tonnes. Similarly, the production of rice which was 50.52 lakh tonnes in 1984-85 steeply went up to 59.49 lakh tonnes in 1986-87. The production fell abruptly during the year 1987-88 to 54.42 lakh tonnes mainly due to unprecedented floods which washed away the kharif economy of the State ruthlessly. A production of 49.42 lakh tonnes is likely during 1988-89 as against the anticipated production of 66.97 lakh tonnes for 1989-90. The target for Annual Plan 1990-91 has been fixed at 62.00 lakh tonnes. Due to better performance of the major cereal crops the production of foodgrains went considerably up from 160.98 lakh tonnes in 1984-85 to 172.26 lakh tonnes in 1985-86. The production which witnessed a down-trend of 162.15 lakh tonnes in the drought affected year 1986-87 again picked up to 170.92 lakh tonnes in 1987-88 despite unprecedented floods which wrought havoc to the State economy. A production of 170.76 lakh tonnes is likely during 1988-89 as against the anticipated production of 189.61 lakh tonnes for 1989-90. The target for 1990-91 has been fixed at 185.30 lakh tonnes. As is evident from the above table the production of other crops like maize, bajra, and groundnut fell short of the aspirations of the planners mainly due to diversification of area towards the dominant kharif crop i.e. Paddy the cultivation of which was extended even to the marginal lands due to better returns. The production of oilseeds other than Groundnut is catching up mainly due to efforts of the Government both the Centre and the State through various subsidies/concessions on various

Agricultural inputs like seeds, fertilizers, pesticides and insecticides and other technical guidance. Similar is the case with other important Commercial Crops i.e. Sugarcane and Cotton the production of which is going satisfactorily up mainly due to better yield and remunerative/assured market. The anticipated production during 1989-90 of both the crops i.e. Sugarcane and Cotton is anticipated around the targetted figure in case of sugarcane and is likely to exceed the target in case of cotton. The target for 1990-91 has been kept at 7,00 lakh tonnes and 21.00 lakhs bales respectively.

Crop Husbandry :

2.10. An outlay of 2765.85 lakh is provided for the promotion/popularisation of various schemes/programmes of Crop Husbandry Sector during 1990-91. Considerable amount has been set apart as the Block Devolution of Funds to the districts for the implementation of various Development Programmes directly benefitting the people at the grass root level, detailed guidelines for which have been incorporated in the District Plan. A brief profile of the programmes/schemes of this sector is given as under :—

Direction and Administration :

2.11. The only scheme of this Sector is a World Bank aided project i.e. strengthening and Re-organisation of Agriculture, Extension and Administration popularly known as Training and Visit (T. & V Scheme) was introduced in the 7th Five Year Plan and is likely to continue during 1990-91. The scheme aims at re-organising the Department of Agriculture with a view to integrate its multi-farious 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 latest agricultural techniques through organising Seminars/Workshops and refresher courses. The coverage of the scheme which was confined only to three districts in the 1st phase i.e. Amritsar, Bhatinda

and Hoshiarpur, has now been extended to the entire Kandi belt of the State 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 block agricultural officers while there is a team of officers like District Training Officer and Subject Matter Specialist representing different faculties at the district level who work under the overall supervision of the Chief Agricultural Officer. In each district, the staff splits up itself into four groups for imparting training to the farmers by holding meetings periodically where the extension officers of the Agricultural Department discuss diverse problems with the farmers and suggest suitable solution at the spot. The PAU has also been involved to the desired extent under this scheme. Almost the entire staff of the Agriculture Department except some most technical categories manning the laboratories has been clubbed under this scheme for which an outlay of Rs. 343.00 lakh is made for 1990-91 against an anticipated expenditure of 177.05 lakh during 1989-90 as per details indicated below:—

	(Rs. in lakhs)
Salaries	83.50
Material and Supply	10.00
Motor Vehicle	25.45
Grant-in-aid	16.77
Civil Works	144.50
Loans to the Employees	4.50
Others	58.28
Total	343.00

Foodgrains Crops :

2.12. A Centrally Sponsored Programme 'Integrated Programme for Rice Development' has been included in the Annual Plan 1990-91 on 75:25 sharing basis between the Government of India and the State Government as in the previous year 1989-90. This programme is likely to encourage the cultivation of major kharif crop 'Paddy' in this State through providing various subsidies/concessions on Certified Seed, Zinc Sulphate, Plant Protection and Chemicals equipment, Farm Machinery/Equipment and also on Micronutrients to the farmers particularly those belonging to the category of Small/Marginal farmers and Scheduled Caste. A sum of Rs. 129.00 Lakh is provided to meet the 25% State share for implementation of this programme in the State during 1990-91 as against the anticipated expenditure of Rs. 32.50 lakh (State share) of the previous year 1989-90.

Plant Protection :

2.13. Amongst programmes of the Plant Protection the notable one is the scheme. '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 and diseases on community campaign basis. As certain epidemics like grasshopper, Pochli and onslaughts of rats, rangau, jackals and stray pigs etc. are very common, it is envisaged to continue this scheme during 1990-91 at a cost of Rs. 20.00 lakh.

The physical progress in respect of ground/aerial spraying in the last few years and the targets for 1990-91 are given below:—

Year/Achievement	(000 hect.)	
	Ground Spray	Aerial Spray
1979-80	693	151
1980-81	527	113
1984-85	905	24
1985-86	890	28
1986-87	1310	5
1987-88	940	—
1988-89	960	—
1989-90 (Anticipated Ach.)	1120	—
1990-91 (Target)	1260	—

2.14. Another scheme of this sector is 'Establishment of Pests and Diseases Surveillance Service in Punjab' which was incorporated in the 7th Five Year Plan, aims at undertaking regular and intensive roving pest surveys to forecast/identify various pests and diseases to arrange safeguards before breakeven point is touched rather than undertaking spraying operations after the attacks. As this scheme is likely to render Yeoman's service to the farming community by timely cautioning them regarding out-break of certain pest/diseases on their crops, an amount of Rs. 3.20 lakh is provided to continue the scheme during 1990-91 as per details indicated below:—

	(Rs in lakhs)
Salaries	1.00
Motor Vehicles	2.00
Others	0.20
Total	3.20

Commercial Crops :

2.15. The only Scheme of this Sector is the Centrally Sponsored Intensive Cotton Development Programme running in this State as a 100% State scheme since 1987-88. For the year 1990-91, the entire staff component at a cost of Rs. 47.50 lakh has been transferred to the Non Plan. As regards subsidy/concessions component, the Government of India is likely to run this component on 50:50 sharing basis with the State Government to encourage cultivation of cotton in the cotton belt Districts of this State i.e. Bhatinda Faridkot, Ferozepur and Sangrur. Major concessions under this scheme would be on certified seed, plant protection equipment, demonstration of delinted seed, pesticides and insecticides etc. An amount of Rs. 24.22 lakh is provided for implementation of the scheme during 1990-91 to meet the 50 per cent State share liability.

Extension and Training :

2.16. The only scheme of this sector i.e. 'Study Tour of Farmers' was admitted in the 7th 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 coming into contact with the leading farmers/agricultural scientists of other States, an outlay of Rs. 3.00 lakh is set apart to continue this scheme during 1990-91.

Comprehensive Crop Insurance :

2.17. The object of the scheme is to provide Insurance cover to the farmers against the ravages of floods and droughts. As the modalities of this scheme are still to be worked out, this scheme which continued with the token provision in the 7th Five Year Plan is being continued with a token provision during 1990-91.

Agricultural Economic and Statistics :

2.18. 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 amount of Rs. 0.40 lakh is provided to contribute the State share during 1990-91.

Development of Pulses :

2.19. The National Pulses Development Project aims at increasing production of Pulse Crops in the State through raising both area and productivity. While staff at headquarters will be shared on 50:50 basis between the Government of India and State Government the staff at district level is proposed to be met on the State side. In addition, Government of India will bear 100% expenditure on seed minikits, farmers training/adoptive trials and 50% on all other items except Micro Labs. which will be 100% of the State. Earlier, this scheme was operative only in District Faridkot but subsequently extended to 6 potential districts i.e. Sangrur, Bhatinda, Ferozepur, Patiala Hoshiarpur and Ropar. As this programme holds an immense significance in view of our policy of effecting diversification from the much maligned Wheat-Paddy rotation to the Cash Crops including Pulses, it is proposed to continue this programme in 1990-91 at a cost of Rs. 14.00 lakh as the State share. Details of expenditure are given below:—

	(Rs. in lakhs)
Salaries	4.00
Material and Supply	10.00
Total	14.00

Oilseeds:

2.20. The other major 'Centrally Sponsored Programme' National oilseeds Development Project has been in operation in the 7th Five Year Plan on sharing basis between Government of India and the State Government. With the object to raise 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. The major components of this programme are, subsidy on the production/handling etc. of seeds @ 150/- per quintal, Plant protection equipment/chemicals (50%) which

is shared equally by the Government of India and the State Government. In view of the emphasis of the State Government on diversification from Wheat-Paddy to commercial crops, an amount of Rs. 21.88 lakh is provided for 1990-91 to meet the State Share as per details given below:—

	(Rs. in lakhs)
Salaries	5.00
Material and Supply	12.72
Store & equipment	3.00
Others	1.16
Total	21.88

Horticulture and Vegetable Crops :

2.21. A considerable emphasis was laid on the promotion/popularisation of Horticulture Crops i.e. fruit and vegetables in the 7th Plan period keeping in view the established policy of diversification from wheat Paddy rotation. To give a further fillip to the diversification process, it is proposed to continue this thrust during 1990-91 with an added vigour. The area under fruit crops has gone up from 40,532 (1985) hectares to 61,032 hectares at the end of 1988-89 and is likely to rise to 64,973 hectares by the end of 7th Five Year Plan. During 1990-91 the Department of Horticulture aims at bringing an additional area of 3,800 hectares under fruit plantation. The Department is set for achieving the perspective plan target of bringing 1,25,000 hectares under fruit plantation by 2,000 A.D. The details of area covered under plantation since 1985-86 is indicated below:—

TABLE 2.6 : Area covered under fruit plantation in Punjab.

Year	(Hects.) Achievement
1985-86	5920
1986-87	6160
1987-88	4340
1988-89	4080
1989-90	3941
1990-91 (Targets)	3800

The important fruit crops of the State are, kinnow, mango, Guava, ber, pear, peach and sweet orange. As regards vegetables including Potato, the area is likely to rise to 80,000 hectares by the end of 7th Plan. It is proposed to bring an additional area of 3,600 hectares under vegetables including potato during 1990-91.

2.22. An outlay of Rs. 4.20 lakh is provided mainly for setting up of information and training centres at Zonal level in the State Plan 1990-91. Major Programmes relating to this sector have been transferred for implementation at District level. Substantial amount has been set apart as the Block-devolution of funds to the Districts for the implementation of various Development Programmes directly

benefitting the people at the grass root level. The scheme, 'setting up of information and training centres at Zonal level' was included in the 7th Five Year Plan at a cost of Rs. 15.00 lakhs mainly for imparting subject matter training to the farmers including women and young fruit and vegetable growers in the nearest Government orchard/nurseries relating to Horticulture and vegetable Programmes and scientific use of input like seed, fertilizer, water and horticultural innovations. Besides, farmers would also be encouraged to develop interest through seeking guidance from the extension personnel relating to problems faced by them. Under this scheme, selected fruit growers will be taken on planned field visits to progressive fruit growers, farms and other institutions including research stations to bring them face to face with the Horticultural innovations in operation. An amount of Rs. 4.00 lakh is provided in the State Plan to continue the scheme during 1990-91, as per expenditure details given below:—

	(Rs. in lakhs)
P.O.L.	.. 0.30
Motor Vehicle	.. 1.50
Material and Supply	0.10
Other charges	.. 2.10
Total	.. <u>4.00</u>

Remote Sensing Application Centre :

2.23. 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 Agricultural 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;
- (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, agricultural resources, crop disease surveillance and ground water resources;
- (v) To develop efficient data acquisition and retrieval system and to act as repository (Data Bank) or 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 formation and execution of the projects;
- (vii) To provide research and development 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 studies 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;
- (xi) To bring awareness among the planners and decision makers regarding the role of Remote Sensing in efficient management of natural resources at the State level.

2.24. 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 is envisaged to provide an enhanced outlay of Rs. 75.00 lakh to enable the Remote Sensing Centre to create/consolidate infrastructural facilities including staff, building and Machinery and Equipment etc. for the centre during 1990-91.

Investment in Public Sector and other Undertakings :

Punjab State Seeds Corporation :

2.25. Keeping in view the key position of 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 variation of cereal/commercial/fruit and vegetable crops has further gone up these days in view of the crying need of diversification from the traditional Wheat-Paddy rotation to the high value crops like Oilseeds, Pulses, Sugarcane, Cotton, Vegetable and Fruit 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 an authorised share capital of 5.00 crore divided into 3.75 lakh equity shares of Rs. 100 each and 1.25 lakh preference shares of Rs. 100 each. The pattern of subscription towards authorised share capital is as under:—

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

2.26. Out of the initial share capital of 5.00 crore, an amount of Rs. 480.63 lakhs has already been subscribed. The authorised capital of the Corporation has now been enhanced to 10.00 crore. Keeping in view, the significance of the seed production programme in the Agricultural development of Punjab, it is proposed to continue this programme in 1990-91 at a cost of Rs. 75.00 lakh as the State Government Share.

Diversification of Agriculture :-

2.27. Agricultural economy of the State is so dominated by the principal cereal crops especially after the green revolution that there would be no denying the fact if it is called as the wheat-Paddy economy. Due to strong grip of this Mono-culture, a lions' share of the cultivated area is under these two crops. Moreover, intensity of cropping in the State is highest in the country i.e. 175.7%. Realising the rationale of diversification of some area (20% according to Expert Committee) from Wheat-Paddy to commercial crops, some efforts were made in the previous plans to bring more area under high value crops including Oilseeds, Pulses, Sugarcane, Cotton, Fruits and Vegetables through introduction of certain subsidies/concessions sponsored by the Government of India. Steps have already been taken in the shape of setting up of a separate Directorate of Horticulture and an added emphasis on establishing Agro based Units, stepping up of both the capacity as well as number of Sugar Mills, Cotton Ginning and Spinning Units and processing of milk and milk production. To give further boost to the committed policy of diversification, which is the only shield anchor of our Wheat-Paddy economy against the ill effects of ecological degradation and lowering of the water table, it is proposed to continue various programmes with added strength during 1990-91.

Punjab Agro Industries Corporation :-

2.28. 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 and public sector in the State. Upto 1979-80 the Corporation concentrated its activities on the marketing of inputs including custom services for harvesting of crops apart from manufacturing of 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 Industrial units in the areas of Food/Fruit and Agro Processing and Chemical, Agro Residues Utilisation and Renewable Energy etc. During the short span of 8-9 years 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.

2. Punjab Agro Rice-bran Extractions Limited Guru-harsahai, District Ferozepur.

3. HDPE Women Sacks Manufacturing Plant Rajpura.

B. Joint Sector :

1. Malwa Cotton Seed Products Limited, Doomwali, District Bhatinda.....

2. Agro Foods Punjab Limited, District Ferozepur.

3. Punjab Energy Devices Ltd., Malerkotla, District Sangrur.

4. Sunbeam Agro Chemicals Limited, Punjab Ludhiana.

5. Agro Chemicals Punjab Limited, Singhpura District Patiala.....

C. Assisted Sector :

1. Montari Industries Limited, Taonsa, District Hoshiarpur.

2. Out of the abovementioned projects, the Corporation has disinvested the following projects :-

(i) Punjab Agro Ricebran Extractions Limited.

(ii) Malwa Cotton Seed Products.

2.29. High priority has been accorded to the projects/activities of the Punjab Agro Industries Corporation during the 7th Plan period which is evident from the fact that a huge amount of Rs. 11.85 crore has been invested upto 1988-89 as the State/PAIC share and a total expenditure of about Rs. 27.41 crore is anticipated in the 7th Five Year Plan. Emphasis on the fruit/Food/Agro Processing Units is in line with the policy of diversification especially towards encouraging the cultivation of fruits and vegetables 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. This programme is likely to receive added attention in 1990-91 as an abnormal outlay of Rs. 2052.75 lakh is provided for the completion of ongoing projects (1861.16 lakh) including pepsico and Bagasse (1711.00 lakh) and for undertaking certain new projects including Milk Processing Unit, Honey, grape processing Integrated Pesticides complex etc. and those under investigation (191.59 lakh).

The amount released and utilised by the Corporation during Seventh Plan as equity for various projects is indicated in the table given below :-

TABLE

Projects undertaken/to be undertaken by

Serial No.	Name of the Project	Annual capacity	Year of start	Latest cost estimates			Name of the collaborator
				Cost	Equity	Debt	
1	2	3	4	5	6	7	8
(A) HORTICULTURE AND FOODS							
(i) Implemented Projects :							
1	Agro Foods Punjab Limited	5TPH Malta, orange 2.5 TPH Tomato/ Mango	1987 (Phase-II)	400.00	230.00	170.00	M/s Voltas Ltd., Bombay
(ii) Projects under Implementation :							
2	Promotion of decentralised processing ..	5000 TPA fruit/ juice conc/pulp	1987	1050.00 (Revised)	385.00	665.00	Sh. Wassan Singh Nijjar, Amritsar
3	Promotion of Floriculture	N.A.	1986	60.00 (Revised)	60.00	—	N.A.
4	Export of Fruits and Vegetables ..	N.A.	1986	10.00	10.00	—	N.A.
5	Integrated Large Scale Food and Beverage (Pepsico)	80000 MTs of fruits and vegetables 30000 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. & TATAS
6	Acquaculture ..	500 TPA of prawn fish	1988	524.00	180.00	344.00	Yet to be finalised
7	Potato/Grain based snack foods ..	1440 TPA snacks and cereals	1988	400.00 (Revised)	150.00	250.00	Sh. K.S. Bajwa, Chandigarh
New Projects :							
8	Grape Processing ..	15 lac ltrs. per annum of wine	1989-90	350.00	120.00	230.00	Sh. Sikander Singh, Patiala
9	Honey Processing ..	750 TPA of honey	1988-89	150.00 (Revised)	54.54	95.46	Mr. P. Satwant Singh, Jalandhar
10	Processing of Spices ..	Product mix and capacity yet to be finalised	1988-89	100.00	36.00	64.00	Yet to be finalised
(B) AGRO PROCESSING AND CHEMICALS							
Implemented Projects							
11	Single Superphosphate (Agro Chemicals Punjab Limited)	66000 TPA-SSP 33000 TPA-Sulphuric Acid	Sept., 1984	823.25	341.25	482.00	M/s K.S. Dhillon and Associates, Chandigarh
12	Agro Chemicals Complex ..	500 TPA Putachlor 450 TPA Isoproturon	Dec., 1984	780.00	285.00	495.00	M/s Ranbaxy Ltd. New Delhi
13	Pesticides Formulation Unit ..	540 TPA of technical material	1984	10.00	10.00	—	Mr. P.S. Chaudhary and Mr. Anil Arora
14	Fuel Briquetting ..	3 TPH	1984	65.94	22.94	43.00	R.N. Gupta and Company
15	Malwa Cotton Seed Products ..	100 TPD of Cotton Seed	1980-81	190.50 (Revised)	96.16	94.34	PSIDC

2.7

the Punjab Agro Industries Corporation Ltd.

(Rs. in lakh)

Extent of participation by PAIC	Equity to be provided by State Govt. (PAIC)	Actual Utilisation				Likely utilisation 1989-90	Date of Commissioning		Employment potential		Present status
		1985-86	1986-87	1987-88	1988-89		Actual	Proposed	Direct	Indirect	
9	10	11	12	13	14	15	16	17	18	19	20
50%	115.00	21.00	74.80	—	—	44.20	—	—	100	800	Phase-I Commissioned expansion and installation of balancing equipment under progress.
26%	100.00	—	2.00	—	6.06	15.00	—	1990-91	60	500	DGTD : Obtained FIC : Signed.
100%	60.00	—	2.00	—	—	—	—	—	—	—	Continuing activity
100%	10.00	—	3.50	—	—	—	—	—	—	—	Continuing activity
36.11%	903.00	—	—	4.00	124.78	196.22	—	1991	500	5000	IL : Obtained FIC : Signed
50%	90.00	—	—	—	—	—	—	1991-92	100	300	IL : Yet to be applied.
50%	75.00	—	—	0.60	9.01	35.87	—	1990-91	47	150	DGTD : Obtained FIC : Signed.
50%	60.00	—	—	—	—	—	—	1991-92	100	500	IL : applied for MOU : Signed.
50%	27.27	—	—	—	—	—	—	1991-92	50	200	DGTD : Yet to be applied. MOU : Signed
50%	18.00	—	—	—	—	—	—	1993-94	40	200	DGTD : Yet to be obtained.
19.92%	68.00	68.00	—	—	—	—	Dec., 1986	—	190	500	Project Commissioned in December, 1986.
15% (3.15%)	9.00 (Revised)	6.00	3.00	—	—	—	Jan., 1987	—	60	200	Project Commissioned in January, 1987.
50%	5.00	2.00	—	—	—	—	Sept., 1985 (Phase-I)	—	51	100	Implementation of II-Phase yet to be taken up.
50%	11.47	5.00	—	—	0.11	—	June, 1985 (Phase-I)	1989	20	60	Phase-II under implementation.
50%	48.08	—	—	8.40	—	—	Feb., 1983	—	125	100	Project Commissioned in February, 1983.

Serial No.	Name of the Project	Annual Capacity	Year of start	Latest cost Estimates			Name of the collaborator
				Cost	Equity	Debt.	
1	2	3	4	5	6	7	8
(ii) Projects under Implementation							
16	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 wanaspati ghee unit	1987	4745.00 (Revised)	1698.00 15.00 Subsidy 65.00 Internal cash accruals	2967.00	K.S. Dhillon and Associates
17	Integrated Potato/Marketing and Processing (Potable Alcohol from damaged grain and potato)	30 lac Ltrs. p.a.	1988	750.00 (Revised)	272.72	477.28	U.B. Group Bangalore
18	Riboflavin (Maize Fermentation)	2.5 TPD of Maize	1987	632.00	217.00	415.00	M/s Sukhjit Starch, Phagwara
New Projects							
19	Manufacturing and Marketing of bio-fertilizer	7.5 TPA of Rhizobium	1988	24.35	4.13 (GOI) 11.83 Total 15.96	8.39	N.A.
20	Citric Acid from Molasses	3000 TPA	1989-90	1365.00	455.00	910.00	Yet to be finalised
Agro Residues Utilisation							
Projects already implemented							
21	Agro based Gasifier	N.A.	1988	15.00	2.00	13.00	—
Projects under Implementation :							
22	Bagasse based newsprint/fine paper (Punjab Agro Newsprint Ltd.)	66000 TPA Newsprint and P & W Paper	1987	30500.00 (Revised)	10167.00	20333.00	Public Sector
New Projects							
23	Duplex Board	30 TPD Duplex Board	1988	490.00 (Revised) 492.00	157.00 (Subsidy) 15.00	318.00 (Revised) 320.00	M/s Rana Gurjit Singh and Associates, Bajpur (U.P.)
24	Drug Intermediates and Essential Oils from Medicinal and Aromatic Plants	1000 TPA in terms of raw material	1988-89	50.00 (Revised)	18.00	32.00	Yet to be finalised
25	Steroids/Sex Hormones from Industrial wastes and forest residues	6800 Kgs. P.A.	1989-90	600.00	200.00	400.00	Yet to be finalised
26	Precipitated Silica from Rice Husk//Ash	500 TPA	1988-89	50.00	18.00	32.00	Yet to be finalised
Developmental/Pre-operative :							
27	Expenses for projects under Investigation				N.A.	.	
28	Development of Horticulture and Marketing	N.A.	1988-89	10.00	10.00	—	N A
Total							

Extent of participation by PAIC	Equity to be provided by State Govt./ (PAIC)	Actual Utilisation				Likely utilisation 1989-90	Date of Commissioning		Employment potential		Present Status
		1985-86	1986-87	1987-88	1988-89		Actual	Proposed	Direct	Indirect	
9	10	11	12	13	14	15	16	17	18	19	20
26%	442.00 (Revised)	2.00	44.50	100.00	100.50	195.00	—	1989-90	800	4000	1st Phase Commissioned and Phase Installation in Progress.
26%	70.90 (Revised)	—	—	—	—	27.20	—	1990-91	200	1000	IL : Obtained
26%	56.42	—	5.00	—	—	—	—	1990-91	80	200	IL : Obtained FIC : Signed
100%	4.13	—	—	—	—	4.13	—	1990	32	—	1. TEFR prepared, grant-in-aid sanctioned by G.O.I. 2. Application for registration being filed.
26%	118.30	—	—	—	—	—	—	1991-92	155	300	LI : Applied for, FC Yet to be finalised.
100%	2.00	—	—	2.00	—	—	March, 1988	—	—	—	Project commissioned in March, 1988
12.5% of the project cost	3812.00 (Revised)	4.00	—	17.00	500.00	993.00	—	1992-93	1100	10000	IL : Obtained
10%	15.70	—	—	—	—	35.00	—	1989-90	165	800	DGTD : Obtained, FIC : Signed, Site purchased, Loan application filed, New Company incorporated.
50%	9.00	—	—	—	—	—	—	1992-93	30	100	DGTD : Yet to be applied.
26%	52.00	—	—	—	—	—	—	1994-95	110	300	IL : Yet to be applied
50%	9.00	—	—	—	—	—	—	1991-92	30	100	DGTD : Yet to be applied.
		2.00	15.20	18.00	24.54	10.00	—	—	—	N.A.	—
100%	10.00	—	—	—	10.00	—	—	—	—	N.A.	Continuing Activity.
		110.00	150.00	150.00	775.00	1555.62					

Regional Rural Banks.

2.30. A programme for providing share capital to Regional Rural Banks was included in the seventh Plan at a cost of Rs. 11.25 lakh for setting up of Gramin Kshetriya Banks in the State with the main object to develop rural economy for the purpose of development of Agriculture, Trade, Commerce, Industry and other productive activities in Rural Areas. It also aims at providing credit facilities to small/marginal farmers, Agricultural labourers, Artisans, Small entrepreneurs in Rural areas. The share capital contribution is provided by Government of India, State Government and sponsoring Bank in the ratio of 35:15:50 respectively. An amount of Rs. 26.25 lakh has been actually contributed as the State share till 1989-90. It is envisaged to continue this programme during 1990-91 with a token provision.

Storage and Warehousing :

2.31. Punjab State Warehousing Corporation was reconstituted under section 18 of the Warehousing Corporation Act, 1968 on 1st November, 1967. Out of its authorised share capital of Rs. 8.00 crore, a sum of Rs. 775.18 lakh stands paid up including 387.59 lakh as the State share upto 1988-89. The remaining amount of Rs. 12.41 lakh has been invested during 1989-90 making the entire State share of 400.00 lakh paid up. As the existing owned storage capacity of 13.90 lakh MTs with the PSWC is not being fully utilised, only a token provision for continuation of the scheme during 1990-91 has been made.

Agricultural Research, Education and Training, PAU Ludhiana :

2.32. During 1990-91, major thrust of agricultural research would be on developing improved technology for diversified agriculture, particularly relating to pulses, oilseeds, vegetable crops, fruit plants and farm forestry to improve their productivity so that these could compete with the main Paddy-Wheat cropping system. Research on further improvement of productivity of Wheat and rice per unit area will also continue to be done. In breeding research programme major emphasis would be on the development of hybrids of field crops and vegetables and their matching production technology. To stabilize production, breeding for disease resistance will receive priority.

2.33. In the production technology research, intensive cropping, multi-cropping/relay cropping/inter-cropping technologies will receive priority to improve the yield per unit area per unit time. Research work on the input efficiency like fertilizer, water, insecticides and pesticides, will be intensified to reduce the cost of production of various field crops, vegetables and fruit plants. A detailed soil survey of Punjab would be carried out to establish soil types and develop a suitable production technology for each soil type. Integrated insect, pest and disease management research will also be given priority to reduce the use of agricultural chemicals viz. insecticides, fungicides etc., keeping in view the health hazards involved in their use.

2.34. In agricultural engineering, research on further mechanisation of agriculture particularly relating to the development of small farm power and machinery for field crops, vegetables and fruit plants will be intensified to bring about precision in the farming techniques, and to reduce the cost of production.

2.35. As against the current year anticipated expenditure of 310.00 lakh, an amount of Rs. 235.00 lakh (excluding an amount of Rs. 189.37 lakhs which has already been transferred to the non-plan with effect from 1990-91) is being provided for various Research, Education and Extension programmes of PAU during 1990-91.

Investment in Agricultural Financial Institutions:

2.36. The debenture oriented programme would continue during 1990-91 to ameliorate the conditions of farmers particularly those belonging to the lowest strata of the farming Community. Under the programme, the Punjab State Co-op. Agricultural Development Bank raises the needed institutional Finance by floating debentures in varying percentages for diverse purposes like purchase of tractors/other agricultural implements, reclamation of Alkaline/Saline lands, raising of fruit plants, installation of Gobar Gas plants, tubewells, Setting up of independent units of Dairy, Poultry, Piggery, Fish Culture, etc. For continuation of this programme, an enhanced amount of Rs. 460.00 lakh is provided for 1990-91 against the current year anticipated exp. of 440.00 lakh, which would enable the Agricultural Development Bank to advance loans worth Rs. 77.20 crore during the year. Details of Agricultural credit to be advanced during 1990-91 alongwith physical target is given in table 2.8 below:—

TABLE 2.8
Agricultural credit to be provided during 1990-91

Serial No.	Name of the scheme	Physical Targets	Loans to be advanced	Debentures to be floated	Contribution by (Rs. in lakhs)		
					NABARD	State Govt.	Govt. of India
1	Support to Ordinary & Special Debentures—						
	(i) Agriculture Department	3000(T.W.)	2500	2500	2250.00	125.00	125.00
	(ii) Soil Conservation deptt.	N.A.	500	500	450.00	25.00	25.00
2	Purchase of debentures of SCLM B for purchase of tractors & Agricultural implements	1000 Tractors	1000	1000	750.00	125.00	125.00
3	ARC scheme for reclamation of Alkaline/Saline Soils	N.A.	420	420	390.00	15.00	15.00
4	Grant of loans for fruit plantation-debenture support to Horticulture	N.A.	550	550	505.00	22.50	22.50
5	Gobar Gas plants—debenture support	500	50	50	45.00	2.50	2.50
6	Dairy Development	7500 Units	1800	1800	1600.00	100.00	100.00
7	Poultry, Piggery, Sheep Breeding, Cattle Feed processing units & Camel Carts etc.,	5600 Units	800	800	720.00	40.00	40.00
8	Fish Culture	900 Ponds	50	50	45.00	2.50	2.50
9	Farm Forestry	N.A.	50	50	45.00	2.50	2.50
	Total		7720	7720	6800.00	460.00	460.00

Marketing and Quality Control :

2.37 Due to notable role of marketing for the Agriculture Sector of this State, a Programme, 'Grading of Foodgrains and oilseeds in the regulated Markets is operating on 5:95 sharing basis between the State and the Marketing Board for effecting improvement in the marketing Conditions through removal of various bottlenecks in the regulated markets of the State. The Scheme which is in operation in 143 markets also aims at ensuring an efficient movement and disposal of foodgrains as well as oilseeds through educating farmers as also the consumers about the current prices to protect them against exploitation at the hands of middlemen. An amount of Rs. 7.25 lakh is provided to meet 5% State share mainly for the salaries of the Staff under this Programme during 1990-91.

Land Reclamation and Development

2.38 In Punjab, an area of 6.98 lakh hectares was affected with alkalinity /Salinity of the soil which include 2.35 lakh hectares seriously affected and 4.63 lakh Hects. marginally or moderately affected. Out of the total 6.98 lakh Hect. about 3.24 lakh Hects. have

been reclaimed upto 1988-89 and another 0.29 lakh Hects. have been reclaimed during 1989-90. During 1990-91, 25,600 Hects are targetted to be reclaimed with the application of 1.62 lakh tonnes of Gypsum. Under this 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.

The Physical Profile of this programme is as under:—

TABLE 2-9
Area reclaimed, Gypsum supplied and subsidy advanced in Punjab in the Seventh Five Year Plan

Year	Area reclaimed (hectares)	Subsidy Provided (Rs. in lakh)	Gypsum distributed (000 tonnes)
1985-86	29,155	398.78	194.29
1986-87	17,180	340.75	120.30
1987-88	21,396	324.29	149.77
1988-89	26,680	562.50	188.00
1989-90	29,064	653.12	229.00
1990-91 (Target)	25,600	560.00	162.34

ANNEXURE

Important Agricultural Statistics

Item	Year				
	1979-80	1984-85	1986-87	1987-88	1988-89
1	2	3	4	5	6
A—Land Utilisation in Punjab	(000' Ha)				
Geographical Area	5036	5036	5036	5036	5036
Reported Area	5033	5033	5033	5033	5033
Forests	217	221	220	224	222
Land not available for cultivation	531	519	519	525	508
Other uncultivated lands excluding fallow lands	52	49	44	49	47
Current fallow lands	51	55	48	78	51
Net area sown	4182	4189	4202	4157	4205
Net Area sown as percentage to total area	83	83	83	83	84
Area sown more than once	2353	2824	3015	3167	3182
Gross cropped Area	6535	7013	7217	7326	7387
Cropping Intensity	156.3	167.4	171.7	172.5	175.7
B—Net Area irrigated by (000' Ha)—					
(i) Government Canals	1515	1395	1440	1536	1491.5
(ii) Private Canals	—	—	—	6	6.3
(iii) Tubewells and Wells	1997	2122	2274	2230	2274.4
(iv) Other Sources	11	14	3	2	9.1
Total (i to iv)	3523	3531	3717	3774	3781.3
Percentage to Net Irrigated Area to Net Area Sown	84	86	88	91	90
				87-88	88-89
C—Tubewells in Punjab—					
Diesel Operated (lakh No.)	3.23	2.47	1.83	2.19	2.07
Electric Operated (lakh No.)	2.62	4.00	4.90	5.14	5.35
Total	5.85	6.47	6.73	7.33	7.42
D— Tractors (Number)	41185 (1972)	64307 (1977)	205000	239121	2,40,000

E—Area under Important Crops in Punjab

(000' hectares)

Crop	Year				1988-89	1989-90 (P)
	1979-80	1984-85	1986-87	1987-88		
1	2	3	4	5	6	7
Wheat	2813	3094	3185	3131	3156	3174
Rice	1172	1644	1786	1720	1783	1908
Maize	393	304	261	233	248	210
Barley	46	49	39	39	45	50
Gram	228	102	114	66	71	76
Groundnut	91	45	40	32	20	15
Rapeseed and Mustard	95	138	106	158	118	200
Sugarcane	77	79	97	106	98	107
Cotton (American)	460	409	496	505	702	733
Cotton (Desi)	170	63	71	56	57	

F—Production of Important Crops in Punjab.

(000' Tonnes (Bales))

Crop	1979-80	1984-85	1986-87	1987-88	1988-89	1989-90
	Achievement	Achievement	Achievement	Achievement	(P)	(Anti.)
1	2	3	4	5	6	7
Output						
Wheat	7868	10176	9447	11084	11576	11625
Rice	3052	5052	5949	5442	4942	6697
Pulses	188	150	183	98	127	119
Total Foodgrains	11906	16098	16215	17092	17076	18961
Oilseeds	157	191	165	209	148	224
Sugarcane (Gur)	393	498	611	582	606	664
Cotton (bales)	1207	1238	1691	1859	2118	2341

G—Yield of Important Crops in Punjab

(Kg/ha.)

Crop	1979-80		1984-85		1986-87		1987-88		1988-89	1989-90
	Punjab	India	Punjab	India	Punjab	India	Punjab	India	Punjab	Punjab
Wheat	2797	1437	3289	1870	2966	1916	3540	1995	3651	3151
Rice	2604	1082	3073	1417	3331	1471	3164	1473	2772	1910
Maize	1723	970	1895	1456	2022	1282	1567	1016	1176	1000
Jowar	649	688	1000	717	1000	576	1000	757	1000	1000
Sugarcane (Gur)	5099	5000	6226	5768	6300	6046	5487	6000	6188	6510
Cotton (cleaned)	326	162	447	196	507	169	509	168	475	543

H.—Fertilizer Consumption in Punjab

(000' Tonnes)

Item	Year				1988-89	1989-90 (P)
	1979-80	1984-85	1986-87	1987-88		
(i) N	.. 477	759	802	791	796	818
(ii) P	.. 179	266	290	297	301	315
(iii) K	.. 30	23	24	24	20	12
Total (NPK)	.. 686	1048	1116	1112	1117	1145

I—Consumption of Fertilizers

(Kg./ha)

State	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89
1	2	3	4	5	6	7
Punjab	.. 143	151	154	155.00	159	156.0
Haryana	.. 56	63	70	72.9	71	90.9
Tamil Nadu	.. 85	115	111	97.1	96	112.6
All India level	.. 43	48	51	48.7	51	62.2

J. Laboratories

	Position upto 1987-88	1988-89	1989-90
(i) Soil Testing Laboratories including Mobile Soil Testing Laboratories	.. 47	47	47
(ii) Seed Testing Laboratories	.. 1	1	1
(iii) Fertilizer Quality Control Laboratory	.. 1	1	1
(iv) Insecticides Testing Laboratory	.. 3	3	3

K-Reclamation of Kallar Lands in Punjab

(Hectares)

Total Area affected with Alkalinity at the beginning of Fifth Plan	..	698,000
Level achieved upto 1979-80	..	73,547
Area Reclaimed during Sixth Plan 1980—85	..	156,197
Total Area reclaimed upto the end of Sixth Plan	..	229,744
Area Reclaimed during—		
1985-86	..	29,155
1986-87	..	17,180
1987-88	..	21,396
1988-89	..	26,680
Total Area reclaimed upto 1988-89	..	324,155
Achievement (1989-90)	..	29,064
Target (1990-91)	..	25,600

L.—Punjab's contribution of Rice/Wheat in Central Pool

(Unit '000' tonnes)

Year	Wheat ((Mkg. Year)			Rice (Crop Year)		
	India	Punjab	Percentage	India	Punjab	Percentage
1980-81	53,8600	4,277	73.0	5,572	5,523	45.3
1981-82	63,5900	3,763	57.1	7,271	3,092	42.5
1982-83	77,7188	4,875	63.2	7,029	3,231	46.0
1983-84	83,2855	5,165	62.3	7,831	3,282	41.9
1984-85	93,3000	5,012	53.9	9,822	4,277	43.5
1985-86	103,3477	6,151	59.4	9,762	4,177	42.8
1986-87	103,5322	6,477	61.5	9,212	4,333	47.1
1987-88	77,8800	4,419	56.1	6,894	3,361	48.8
1988-89	63,5355	4,749	72.7	6,812	2,957	43.4
1989-90	93,0044	5,602	62.3	9,713	4,884	50.3
1990-91 (27-7-90)	111,6612	6,923	59.6	10,782	4,991	46.3

(Rs. in lakhs)

Soil Conservation:

2.38 Land is a very vital limited natural resource. With the every rising population, the significance of conserving land cannot be ignored. Soil and Water Conservation measures not only help in increasing and sustaining the production/productivity of agricultural land but also providing employment to the rural masses particularly the weaker strata of the society. Soil conservation works such as land levelling/bench-terracing, gully reclamation, conservation irrigation, laying of underground pipelines, field drainage, construction of surface storage tanks, water harvesting dams etc. are undertaken for the development of agriculture.

2.39 Expenditure under the sub-head 'Soil Conservation' from 1985-86 onwards is given below:—

Item	Soil Conservation and Engineering Department	Land Reclamation (Agriculture Department)	Total
1	2	3	4
1. Expenditure			
(i) 1985-86	192.51	221.35	413.86
(ii) 1986-87	213.54	247.24	460.78
(iii) 1987-88	234.46	275.74	510.20
(iv) 1988-89	294.32	330.82	625.14
2. 1989-90 (Revised Outlay)	582.30	419.92	1002.22

2.40 An area of 57846 hectares has been covered under various soil conservation measures during 1985—89 and 1990 hectares is likely to be covered during 1989-90. Physical achievements in respect of various soil conservation works are given in the table below:—

TABLE NO 2.10
Physical Achievements in respect of Social Conservation Works

(Area in Hectares)

Serial No	Item of work	Unit	Seventh Plan Targets	1985—88 Achievement	1988-89 Achievement	1989-90 Anticipated Achievement
1	2	3	4	5	6	7
1	Land Levelling/Bench Terracing	Hect.	47700	22667	8474	6300
2	Underground pipe-lines	"	42000	14764	4953	6100
3	Gully Reclamation	"	1600	1000	735	750
4	Water Harvesting	"	2200	823	408	700
5	Field Drainage	"	—	5	9	200
6	Ravine Reclamation	"	—	—	—	—
7	Conservation irrigation	"	—	—	—	3650
8	Dry Farming techniques (Renovation of terraces, bunds, gully reclamation, water harvesting)	"	—	310	251	800
9	Construction of contour live-hedges	"	—	—	—	400
10	Sand scrapping	"	—	—	—	1000
11	Common water courses	"	—	2641	305	—
	Total		93500	42210	15636	19900

2.41 An outlay of Rs. 25.00 lakhs has been provided in the State Plan under the sub-head 'Soil Conservation' during 1990-91. Almost the entire soil and water conservation programme has been transferred for implementation at the district level. A sizeable amount has been provided as the 'Block Devolution of Funds' to the districts for the implementation of these programmes, detailed guidelines for which have been incorporated in the District Plan.

The State level schemes are discussed as under :—

Soil Survey

2.42 The resources inventory is an essential prerequisite for any rational land-use planning and optimum utilisation of land. In order to assess the magnitude of the problem of soil erosion and soil degradation and to work out remedial measures, scientific soil surveys are necessary. It is proposed to cover an area of 5.00 lakh hectares during 1990-91. An outlay of Rs. 3.00 lakh has been provided under the scheme SC(A) 2.1 'Soil Survey in the State' for the procurement of new soil survey equipment required for the interpretation of imageries and strengthening of the Soil Survey Laboratory.

Training, Research and Demonstration

2.43 The technical staff working in the field for the execution of soil and water conservation works is imparted special in-service training so as to enable

them work more efficiently and implement the work on scientific lines. A Training Institute with suitable accommodation is likely to be completed by the end of the current year. It is proposed to initiate short term courses for the farmers as well as refresher courses for imparting training on the latest technology to the officials/officers of the department during 1990-91. An allocation of Rs. 2.00 lakhs has been made in the Annual Plan 1990-91, under the scheme SC(A) 5.1 'Training, Research and Demonstration' for this purpose

Strengthening of Soil Conservation Organisation

2.44 An outlay of Rs. 2.00 lakhs has been provided during 1990-91, under the scheme SC(A) 1.1 'Strengthening of Soil Conservation Organisation' for creation of posts at the district level/purchase of vehicles which may have to be necessarily created/purchased in view of increased emphasis on soil and water conservation works for sustaining the productivity of land.

Operation of Machinery Division for soil conservation works.

2.45 A provision of Rs. 18.00 lakhs has also been made during 1990-91 for running and operation of machinery division located at headquarters which caters to the requirement of machinery in the field for undertaking various soil conservation works.

CHAPTER III

Agriculture and Rural Development (II)

Agriculture and Rural Development form an important sector of the State's economy. 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 of standard of living of rural population especially of weaker sections of society. Thus, development of Animal Husbandry is envisaged as an integral part of a sound system of diversified agriculture.

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 besides wool, manure and fuel. 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. Thus, stress is being laid on diversification of agriculture through adoption of mixed farming and has also emphasized diversification towards animal production programmes including dairying and Poultry. Livestock production through the weaker sections of farmers 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 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 giving increased attention to their breeding, management and health cover. 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 would also be given priority. For this purpose the plan envisages the enlargement of the programme of cross-breeding of cows through use of artificial insemination, import of proven Semen of Holstein Friesian/Jersey breed and effective health cover to the precious animals. The poultry including quail rearing would also be given priority. The facility of disease diagnostic and feed analytical in poultry

would be made available in the selected districts of the State.

3.4. An amount of Rs. 315.70 lakh has been provided in the sub-head Animal Husbandry for the schemes to be implemented at State level in 1990-91. A good number of programmes directly benefiting the rural masses of the sector such as opening of new Vety. hospitals, providing of building facilities to the Vety. hospitals & dispensaries in the rural areas, establishment of Vety. polyclinics at district headquarters, strengthening of old vety. institutions, residential quarters for staff of vety. hospitals & dispensaries in the rural areas, aid to Zila Parishads/Panchayat Samities for proper functioning of the Vety. institutions under their control, etc. have been transferred for implementation at district level. A sizeable amount has been set-apart as the 'Block Devolution of Funds to the Districts' for the implementation of these programmes, detailed guidelines for which have been incorporated in district plan.

The programmes/schemes to be taken for execution at the State level in 1990-91 are given as under:—

Cattle & Buffaloes Development :

3.5. There would be 25.87 lakh breedable buffaloes and 9.70 lakh breedable cows by the close of 1989-90. There is need to uprate the breed of these cattle and buffaloes. Cattle development mainly relates to intensification of cross-breeding programme for breed improvement in the State. The thrust of livestock improvement programme is on the increased production of milk which can be achieved through the following measures:—

- (i) Extension of Artificial Insemination facilities to cover 100% breedable cattle and buffaloes. There were 1925 veterinary institutions in 1988-89, out of which 1624 vety. institutions are having the facilities of artificial insemination. It is proposed to cover all the remaining institutions with this facility.
- (ii) Production of adequate number of proven cross-bred and buffalo bulls.
- (iii) Development of new breed of cattle suited to the climate conditions of the state by determining the level of exotic inheritance.

3.6. To raise the productivity of both cattle and buffaloes in the state the measures proposed to be adopted during 1990-91 are given as under :—

- (i) For carrying out mass scale cross-breeding programme, the facility of artificial insemination with frozen semen

technique would be extended to all the vety. institutions by the end of 8th plan. The semen bank both at Patiala and Nabha would be strengthened in phased manner by providing additional bulls and other infrastructure.

- (ii) For the production of pedigreed bulls to be used for cross-breeding, 4 cattle breeding farms have been set up in the state. The bulls of Holstein Friesian and Jersey breed produced at these farms have done a commendable service by increasing the lactation yield from 1000 litres to 3000 litres, beyond this, it is not possible to increase the lactation yield with the existing blood. In order to give quantum jump in milk production in the shortest possible time about 2 lakh frozen semen doses of Holstein Friesian/ Jersey breed are proposed to be imported in 1990-91. As per programme envisaged to switch over to frozen semen technique to the remaining vety. institutions of the State, the requirement of L. N. gas is bound to increase manifold. To meet this increased demand one more L. N. Plant of 10 litre capacity and two containers for transportation of the frozen semen are proposed to be procured in 1990-91.

For the implementation of the cattle development programme an allocation of Rs. 160.00 lakh has been provided for 1990-91.

Poultry Development:

3.7. 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 head-way due to requirement of small space, low capital investment, quick returns from the investment and well distributed turn-over throughout the year. It has helped the establishment of poultry as an industry in the State. 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.

3.8. 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 would be strengthened/modernized in phased manner. The parent stock capacity of each farm would be increased from 5000 to 10000, the production capacity of day old chicks of all the State farms would also be raised from 8.00 lakh by the end of 7th Plan to 15.00 lakhs by the close of 8th Plan. In the beginning only one Poultry Farm will be taken up for strengthening/modernisation in 1990-91. Presently, the poultry disease diagnostic and feed analytical facility is only available at State Sanitary laboratory at Jalandhar, which is very inadequate compared to needs of the poultry growers. It is contemplated to provide this facility to one more district in 1990-91. An outlay of Rs. 40.00 lakh has

been provided for 1990-91 against an expenditure of equal amount anticipated during 1989-90.

3.9. 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 the private businessman do not go for collection of eggs. The authorised share capital of the corporation is Rs. 4.00 crores against which Rs. 2.79 crores would be paid up by the close of 1989-90. The corporation contemplates to set-up a modern poultry/cattle feed mill at Kharar at the total capital cost of Rs. 225.00 lakh for which state share capital contribution to the extent of Rs. 75.00 lakh is required while the balance of Rs. 150.00 lakh will be raised from institutional finances. A sum of Rs. 25.00 lakh has already been given in 1988-89 and balance provision of state share contribution of Rs. 50.00 lakhs has been provided for said cattle/poultry feed Mill in 1990-91. Thus the State share contribution to the Punjab Poultry Development Corporation would be enhanced from Rs. 2.79 crores at the close of 1989-90 to Rs. 3.29 crores by the end of 1990-91.

3.10. Human Nutritionists have time & again stressed the need for animal protein being a good source of essential amino acid which lacks in vegetable proteins. It is, therefore, imperative to augment production of animal protein to bridge the gap between availability and requirement. The quail production has recently been recognised as a bird for increasing the meat production. Japanese quail is noted for its economic production capabilities being high egg producer, prolific breeder and maturity. With this in view, a quail breeding farm is proposed to be set up in 8th plan at Mattewara with parent stock of 10,000 birds for supplying chicks to private quail breeders. To start with an outlay of Rs. 4.00 lakh has been provided in 1990-91 for creating essential infrastructure for setting up this farm.

Sheep Development:

3.11. Wool, the clip of the sheep is an important constituent of woollen industry in providing warm cloth, blankets and carpets. It is a valuable source of meat also. Total wool production during 1989-90 has been estimated at 15.00 lakh Kg. and it would increase to 15.20 lakh. Kg. by the end of 1990-91.

3.12. 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 in 1990-91. In order to control the mortality rate, regular drenching and spraying of sheep against internal parasites is necessary. An outlay of Rs. 3.50 lakh has been provided in 1990-91 for providing anthelmintic antibiotics, insecticides and general medicines in sufficient quantity at these sheep and wool extension centres.

3.13. To provide subsidiary occupation to the Backward Classes and small marginal farmers and agricultural labourers in the State, a fat lamb production farm with a flock of 200 imported sheep of pol-dorse t breed has been set up at Mattewara during 1988. The dams produced at this farm will be supplied to

sheep breeders for further development of mutton breed sheep. As many as 20 units for Fat Lamb production will be set up in 1990-91. 50% subsidy amounting to Rs. 5,000 would also be given to the sheep breeders for construction of sheds, equipment, purchase of sheep & feeding articles. An outlay of Rs. 7.00 lakhs has been provided for this scheme in Annual Plan 1990-91.

Other Livestock Development :

3.14 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 to those who intended to go in for self-employment. In order to obtain the maximum production potential from cattle being kept in the farm, the cattle farm at Mattewara would be further modernised. Besides, modernisation of poultry farm at Patiala would also be taken up in 1990-91.

Investigation and Statistics:

3.15. To cope with the increased work-load of the department, the statistical cell at the head-quarter and in the field need to be strengthened in 1990-91. An outlay of Rs. 10.00 lakh has been provided in 1990-91 for evaluation of performance of buffaloes/cross-bred bulls in field condition (progeny testing programme), registration of 200 herds of progressive farmers for keeping records of artificial insemination, health cover and lactation yield of their animals and for monitoring of development projects and collection and tabulation of data at cattle breeding farms and semen banks etc.

Extension & Training :

3.16. 9 veterinarians graduates having 7 years service and one agricultural graduate would be sent to Punjab Agricultural University, Ludhiana for Post-graduate studies in different fields for two years. Under extension services, the department would hold milk yield competition, state cattle shows and also participate in All India Cattle shows etc. A sum of Rs. 8.00 lakh has been provided for this programme in 1990-91.

Veterinary Education & Research ;

3.17. In animal sciences research work on cross-bred cattle, improved buffalo breeds, poultry, piggery and Fisheries alongwith their nutrition and disease management will be further intensified. To provide efficient and effective health care to the animal &

poultry 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 borne diseases, judicious use of drugs, improvement of buffalo productivity and disease suviellance will also be intensified.

Thus the main approach, priority and thrust of Punjab Agricultural University during 1990-91 would be as under:—

- (i) Research on genetic improvement, rumen and non-rumen nutrition, physiology and management of buffaloes, cattle and poultry will be continued with already well defined objectives for increasing milk yield, egg and broiler production.
- (ii) Genetic improvement of various forage crops with view to increasing productivity per unit area and to develop suitable practices for providing green fodder throughout the year.
- (iii) Research on various aspects of animal diseases especially of tick-borne disease and mastitis.
- (iv) Development of Immuno-biologicals on the basis of latest technology.
- (v) Strengthening research on embryo-transfer technology.
- (vi) Reproductive disorders in buffaloes.
- (vii) Poultry diseases with particular reference to emerging and re-emerging disease.
- (viii) A strong set-up for monitoring and surveillance of animal and poultry diseases, diagnosis and control through animal reserach centre.

3.18. Grant-in-aid of Rs. 100.00 lakhs has been provided in 1990-91 for the implementation of various veterinary Research and Teaching Schemes of the Punjab Agricultural University. The allocation of Rs. 100.00 lakh would comprise Rs. 53.00 lakh for continuation of the existing vety. plan schemes. Rs. 40.00 for new vety. schemes, Rs. 2.00 lakh for the training of technical personnel of dairy development and Rs. 5.00 lakh for setting up of centre for studies in Rural Development.

Dairying and Milk Supply:

3.19. 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 programmes 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.

3.20. 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.

3.21. The main thrust of the department for dairy development in 1990-91 would be as under:—

- (i) Increasing milk production by intensive/extension, 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 educated 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.
- (vii) To enforce the measures to regulate dairy industry.
- (viii) Sending the progressive farmers and Technical personnel to developed countries and other institutions for advanced dairy training.

3.22. To implement dairy development programme an outlay of Rs. 265.50 lakh has been provided in 1990-91 for the schemes to be implemented at the state level. The major programme—Providing Self-Employment to rural unemployed educated youth, ex-servicemen and widows by introducing of scientific commercialised milk production directly benefitting the rural masses of this sector has been transferred for implementation at District level. An adequate amount has been allocated as the 'Block Devolution of Funds to the District for the implementation of these programmes, detailed guidelines for which have been incorporated in district plan.

The schemes/programmes which are to be implemented at State level are discussed below:—

Scheme for Extension, Training and Education in improved methods of Dairying to Milk Producers:

3.23. For imparting technical know-how to farmers in scientific breeding, feeding & farm management and to enable them to take up commercial dairying, the scheme for extension, training and education would continue during 1990-91. It is proposed to impart training for five days to 12,000 dairy farmers. During the training period stipend @ Rs. 40 only will be given to each trainee for said course. The farmers undergoing training will also be taken to the selected institutions such as P.A.U., N.D.R.I. Karnal and Anand in batches. An allocation of Rs. 15.50 lakhs has been provided in 1990-91 for the implementation of this scheme.

3.24. It is targetted that milk production would increase from 4900 thousand tonnes at the close of 1989-90 to 4972 thousand tonnes by the end of 1990-91. The per capita availability of milk would also increase from 675 grammes in 1989-90 to 687 grammes by the close of 1990-91.

Fisheries :

3.25. After green revolution, Punjab State is now on the threshold of a blue revolution. A trend has already set in favour of diversification of agriculture land to fish farming. The farmers are adopting intensive fish culture in ponds & 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 comprises 868 Kms. of rivers, 11,200 Kms. of canals, 5804 hect. of small water reservoirs and lakes. In addition to this, 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 this, there are 5228 village ponds covering an area of 2664 hect. which require major renovation work to make them fit for fish culture. The farmers have also started construction of fish tanks on farm land as measure of diversification from agriculture practices in favour of fish farming because the farmers find it more paying and less cumbersome. For making a fish culture more lucrative and for bringing more area under fisheries the main thrust of the Department would be as under in 1990-91 :—

1. To provide quality fish seeds of culturable varieties of fish.
2. To cover more of suitable village ponds under fish farming during 1990-91.
3. To provide opportunities for gainful self-employment in rural areas by providing technical and financial assistance and also managing financial support from financial institutions.

4. To provide better extension services at pond site.
5. To provide facilities of short-term training in fish farming and to arrange visits of fish farmers to other States.

3.28. At present there exist 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 cope with the ever increasing demand of fish farmers, new fish seed farms are proposed to be set up in the state. An amount of Rs. 15.00 lakh has been kept for the schemes to be implemented at the state level. A certain programmes namely Establishment of New Fish Seed Farms in the districts where this facility does not exist and renovation of existing fish seed farms, setting up of six new Fish Farmers Development Agencies and completion of two 10 hectares Fish Seed Hatcheries, directly benefiting the rural masses of the sector have been transferred for implementation at District level. A substantial amount has been earmarked as the Block Devolution of funds to the Districts for the implementation of these programmes, detailed guidelines for which have been incorporated in the district plan.

The scheme/programme which are to be implemented at state level are given as under:—

Extension Programme :

3.29. 3 Fisheries Officers for one year's training course at Barrack-Pore (Calcutta) and two Field Assistants/Fishmen for specialisation at Inland Fisheries operatives at Regional Training Institute Chinhat (Lucknow) would be deputed in 1990-91. Besides, it is also envisaged to have a study tour for the 100 fish farmers to other States where they would gain on the spot visual studies. An outlay of Rs. 2.00 lakh has been provided for 1990-91 for this scheme.

Direction and Administration :

3.30. Keeping in view the continuation of existing plan schemes and of taking the new ones, an outlay of Rs. 3.00 lakhs has been provided for strengthening the staff at Headquarters including of statistical cell of the department. A new Scheme-setting up of Fisheries Extension Units in the State is being taken up for implementation in potential blocks of fisheries development in the State. The Extension assistance in respect of latest technique of scientific development of fish culture and other related problems/activities in fish culture would be provided to the fish farmers at the site of the ponds. An outlay of Rs. 10.00 lakhs has been provided for this scheme for setting up of Fisheries Extension Units in 8 potential blocks in Annual Plan 1990-91.

3.31. With the implementation of the schemes/programmes in the sector it is envisaged that fish production would increase from 8,500 tonnes in 1989-90 to 9500 tonnes in 1990-91. An additional area of 780 hectares would be brought under fish culture in 1990-91 thus raising the total area under fish culture from 3715.50 hectares anticipated at the end of 1989-90 to 4495.50 hectares by the close of 1990-91

FORESTS

3.32. The total geographical area of Punjab State is 50,357 Sq. Kms. out of which about 84% is under

agriculture. The area under forests is quite insignificant. As per the National Forest Policy, 1952, at least 33% of total geographical area should be under forests. The area under forests in Punjab State is 2,82,296 hectares which is about 5.6% of the total land area of the State. 50% of the total forest area is situated in the sub-montaneous tract of the State and the remaining 50% 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 in the state is quite meagre and thus there is an urgent need to augment the forests resources of the state by bringing all the available lands under the tree cover.

3.33. 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 for which more input is required. Conservation of Soil and Water is required in some areas of Shivaliks for plantation.

3.34. In view of the deficiency of forest resources and in the light of the foregoing facts, the following strategy will be adopted during 1990-91.

1. More emphasis will be laid on maintenance and up-keep of plantations to increase their success percentage.
2. In the undulating areas and Shivaliks main thrust will be to conserve soil and water and improve the water recharging system, through operations like gully-plugging, check damming, wattling, contour bunding, check-training works and construction of water-cum-silt detention dams etc.
3. Diversification of tree species will be taken up. Species like Teak, Tun, Gmelina, Kikkar, Neel, Siris, Darek, Rajain, Kam-bhel, Bamboos, Arjan, Bohera, Mulberry, Simal, Shisham, Phalahi, Maharukh, Robinia, Psuedo Acacia, Albizia stipulate, Amla, Jaman, Mango, Sukhchain, Terminalias, Willow, Poplar will be planted in greater proportion and the percentage of Eucalyptus and Khair will be reduced considerably.
4. In private lands, stress will be given on plantation of poplar because this specie is fast-growing and is suitable for inter-cropping also. It has also been accepted by the farmers. It has ready market for match splints, plywood packing cases, penalling and making of cup-boards.
5. High inputs like ploughing, irrigation, fencing and fertilizer-application, addition of gypsum etc. will be provided for raising plantation with better success rate and high yield on marginal and sub-marginal sites.

3.35. In order to continue the forestry operations in the State an outlay of Rs. 171-70 lakhs has been

provided for the State schemes under the sub-head 'Forestry & Wild Life' during the Annual Plan 1990-91. In addition to this a few programmes of this sector have been transferred for implementation at district level for which adequate provision has been made in the District Plan. The State schemes are discussed below:—

Forest, Research, Education and Extension of Training :

3.36. Forest Research is being conducted partly by the Punjab Agricultural University, Ludhiana and partly by the Forest Department. The research would be confined to 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 Agricultural Department to impart training and education in forestry to the people and the officials of the Agriculture Department. An outlay of Rs. 16.20 lakhs is provided for the purpose in the Annual Plan 1990-91.

Plantation Schemes

3.37. An outlay of Rs. 150.00 lakh is provided for the programme in the Annual Plan 1990-91. This outlay will be utilised for under taking afforestation over the areas owned by individuals and the State. In order to supplement wood resources and to utilise state waste lands, plantation of timber and economic species like Shisham, Kikar, Eucalyptus, Khair Mulberry, Poplar, Bamboo, Darek, Gmelina, Chil, Neem, Teak etc. would be raised in block forests, strips along railway lines, roads, canals and river banks to meet the agricultural, domestic and industrial requirements. Special emphasis will be laid in planting poplar, while plantation of Eucalypts will be reduced during 1990-91. A sum of Rs. 125.00 lakhs is proposed for Annual Plan 1990-91 under the Centrally Sponsored Plan Scheme, 'Fuelwood and Fodder Project' for raising plantation and grasses over an area of 2250 hectares with fast growing species to meet the demand of fuel wood and fodder in the State. Matching share under the scheme will be provided by Government of India.

3.38. Besides a scheme namely 'Development of Infrastructure for the Protection of Forests' would be implemented during 1990-91 for the creation of infrastructure for the protection of forests from two big hazards of fire and grazing. A provision of Rs. 25.00 lakhs has been made under this scheme during 1990-91. Matching assistance will from below Govt. of India.

3.39. In order to supplement the Plantation schemes, the following 100% Centrally Sponsored Schemes would be implemented during 1990-91 :—

(i) Decentralised People's Nurseries

It aims at raising of trees with the involvement of poor to help them by way of providing financial and technical assistance. The nurseries would be set up through individuals, farmers and Schools. Under this schemes, an outlay of Rs. 62.50 lakh has been proposed for the supply for 75 lakh plants during 1990-91.

(ii) Integrated Waste Land Development Project

This is a new scheme introduced by Govt. of India for the development of Waste lands. Large number of areas such as Saline/Alkaline, Water logged ravined and degraded forests which are unproductive and laying waste in the State will be developed with suitable techniques by afforesting them. An outlay of Rs. 180.00 lakhs is provided for planting over an area of 2950 hectares during 1990-91.

(iii) Collection Certification, Grading and Storage of Seeds of Forests species including legumes and grasses

This new 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 the Annual Plan 1990-91 has been provided under this scheme.

Wild life Preservation

3.40. For Wild Life Programme in the State, three Centrally-Sponsored Schemes on 50:50 matching basis would be implemented during 1990-91, namely 'Wild Life Education and Interpretation Programme,' 'Control of Poaching and Illegal Trade in Wild Life', and 'Assistance for the Development of Selected Zoos for which an outlay of Rs. 1.25 lakh, Rs. 1.25 lakh and Rs. 2.00 lakhs respectively has been provided for the Annual Plan 1990-91. Matching Share for these schemes would also be provided by Govt., of India.

Establishment of Tiger Safari at Ludhiana

3.41. 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 lakh during the Seventh Five-Year Plan, out of which Rs. 29.00 lakh has been provided up to 1989-90 for the construction of enclosures for animals. During the Annual Plan 1990-91 it is proposed to complete the remaining work for which a provision of Rs. 1.00 lakh is made.

3.42. Besides two 100% Centrally Sponsored Schemes namely 'Assistance for the Development of Sanctuaries-Hariker & Abohar' and 'Development of Sanctuaries in Patiala District' are proposed to be implemented during the Annual Plan 1990-91 for assisting 5 Sanctuaries in the State by way of providing necessary infrastructure for their proper development. An outlay of Rs. 16.00 lakhs and Rs. 21.00 lakhs for the Annual Plan 1990-91 has been proposed for these schemes, respectively.

3.43. During the Annual Plan 1990-91 afforestation work would be carried over 7700 hectares of land, besides, the distribution of 75 lakh nursery plants to the public and for planting in the private lands. In addition to this, an area of 2250 hectares would be planted and 60 lakh plants would be supplied to the public under the schemes in District plan.

3.44. The Target/achievement of afforestation work and distribution of saplings during 1985-89, 1989-90

and 1990-91 under different schemes/programmes are given as under:—

Serial No.	Item	Unit	1985-89 Achievement	1989-90 Achievement	Total Seventh Plan (1985-90) Achievement	1990-91 Target
1	2	3	4	5	6	7
1	Ft. 2.2 Fuelwood and Fodder Project (CSS)					
	Ft. 3.2 Rural Fuelwood Plantation of Eco-Sensitive Non-Himalaya Area (CSS)	Hect.	18394	3016	21410	2250
2	Ft. 2.3 Raising of Forest Plantation in Government land	Hect.	10080	2200	12280	—
3	Ft. 2.5 Establishment of Silvipastural Farms (CSS)	Hect.	800	850	1650	—
4	Ft. 2.6 Soil & Water Conservation on Watershed basis	Hect.	1226	325	1551	—
5	N.R.E.P.1.1 Farm Forestry	Hect.	10869	—	10869	—
6	Integrated watershed Development Project (Hills)	Hect.	21330	4500	25830	2500
7	Integrated Waste lands Development Project (100% CSS)					
	Soil, Water & Tree Conservation in Himalayas (operational Soil Watch) 100% CSS)	Hect.	12050	2175	14225	2950
8	Decentralised People's Nurseries (100% CSS)	No. lakhs	144.59	87.30	231.89	75.00
9	Ft. 3.7 Farm Forestry (Supply of Saplings)	No lakhs	609.33	100.40	709.73	—

ANNEXURE

Statement showing the Important Statistics pertaining to Animal Husbandry Department, Punjab

Serial No.	Item	Position on 31st March, 1985	As on 31st March, 1989
1	2	3	4
1	No. of Veterinary Hospitals	769	846
2	(a) No. of Veterinary Dispensaries including Stockmen Centres	467	1033
3	No. of Artificial Insemination Centres	46	46
4	No. of Frozen Semen Banks	4	4
5	No. of Cattle/Bufaloe Breeding Farms	5	5
6	Sheep and Wool Extension Centres	38	38
7	Govt. Poultry Farms	5	5
8	Poultry Service Centres	58	58
9	Govt. Piggery Farms	8	8
10	Average No. of Livestock Units served per veterinary institution	4,768	4,811
11	Average No. of villages served per veterinary institution	7.4	7
12	Average area served per veterinary institution (in Sq. Kms.)	27.84	26.80
13	Annual Milk production (in 000 tonnes)	3817	4569
14	Per Capita availability of milk (in gms.)	576	642
15	Wool production (in lac kgs.)	13.41	14.50
16	Egg. production (in millions)	825	1452
17	Poultry birds (in lacs)	97.16	130.00
18	Breadable cows (in lacs)	9.55	9.67
19	Breeding buffaloes (in lacs)	23.70	25.49

RURAL DEVELOPMENT

3.45. Rural Development is a change in rural community which initiates a process to attain a better sustained life and foster cultural values which means more and better life sustaining goods for all, respect for others & self esteem, freedom from tyranny of any kind and a community life which gives a sense of belonging. For the purpose, programmes like IRDP/NREP/RLEGP were implemented during the Sixth and Seventh Five Year Plans. After the discontinuation of NREP and RLEPG from 1st April, 1989, 'Jawahar Rozgar Yojana', was launched in 1989-90. During the Seventh Five Year Plan (1985--90)

under IRDP 3.56 lakh (2.01 lakh new and 1.55 lakh old) beneficiaries have been covered. Apart from this, 40,921 rural youth have been trained during 1985-90, out of which 28,205 persons have got self-employment. Under DWCRA 1,078 groups have been organised/strengthened till the end of Seventh Five Year Plan. Under NREP/RLEGP 87.87 lakh mandays and 78.26 lakhs mandays of employment respectively has been generated from 1985-86 to 1988-89, after that these programmes have been discontinued and merged into 'Jawahar Rozgar Yojana' under which 34.23 lakh mandays have been during 1989-90.

3.46. Yearwise Progress under I.R.D.P. and Allied Programmes, NREP/JRY and RKEGP during the Seventh Five Year Plan is depicted in the tables below :-

TABLE 3.1.—Progress of I.R.D.P. during 1985-90

(Rs in lakhs)

Item	Seventh Five year Plan (1985-90) Targets	1985-86 Achieve- ments	1986-87 Achieve- ments	1987-88 Achieve- ments	1988-89 Achieve- ments	1989-90 Achieve- ments
1	2	3	4	5	6	7
1. Expenditure during the year (including Central Share)	2114.00	872.18	1410.48	1006.55	1010.94	1251.60
2. Subsidy advanced—						
(i) Scheduled Castes	792.75	359.99	651.33	419.65	422.66	519.68
(ii) Others	792.75	377.11	599.00	409.07	394.21	489.98
Total	1585.50	737.10	1250.33	828.72	816.87	1009.66
3. Bank loans advanced—						
(i) Scheduled Castes	1585.50	816.35	1586.86	1075.37	1027.32	1186.30
(ii) Others	1585.50	887.01	1399.06	1066.21	1031.55	1203.59
Total	3171.00	1703.36	2985.92	2141.58	2058.87	2389.89
4. Beneficiaries covered—						
(i) Scheduled Castes (Nos.)	90600	32379	53035	39056	32878	29593
(ii) Others (Nos.)	90600	32233	46900	35311	28261	26535
Total	181200	64612	99935	74367	61139	56128
5. Persons trained under TRYSEM (Nos.)	23600	9030	7584	8206	7364	8737
6. Persons self employed (Nos.)	28600	4133	5250	8026	6716	4080
7. Groups organised/strengthened under DWCRA (Nos.)	2000	240	484	30	203	121

TABLE 3.2.—Provision of assistance to new and old beneficiaries under IRDP during 1985—90

Item	1985-86			1986-87		
	New	Old	Total	New	Old	Total
1	2	3	4	5	6	7
1. Subsidy advanced (Rs in lakhs)	538.17	198.93	737.10	730.20	520.13	1250.33
2. Bank loan advanced (Rs in lakhs)	1131.45	571.91	2703.36	1576.58	1409.34	2985.92
3. Beneficiaries (Nos.)	39596	25016	64612	48290	51645	99935

1987-88			1988-89			1989-90		
New	Old	Total	New	Old	Total	New	Old	Total
8	9	10	11	12	13	14	15	16
316.82	511.90	828.72	564.78	252.09	816.87	1009.66	—	1009.66
699.96	1441.62	2141.58	1356.30	702.57	2058.87	2389.89	—	2389.89
21385	52982	74367	36246	24893	61139	56128	—	56128

Table 3.3—Progress of NREP/JRY during Seventh Five Year Plan

(Rs in lakhs)

Scheme/Programme	1985-86		1986-87		1987-88		1988-89		1989-90	
	Expenditure	Employment generated (Lakh Mandays)	Expenditure	Employment generated (Lakh Mandays)	Expenditure	Employment generated (Lakh Mandays)	Expenditure	Employment generated (Lakh Mandays)	Expenditure	Employment generated (Lakh Mandays)
1	2	3	4	5	6	7	8	9	10	11
(A) N.R.E.P.—										
1. N.R.E.P. 1.1—										
Farm Forestry	—	157.61	11.48	91.20	6.89	126.23	7.26	198.78	7.37	—
2. N.R.E.P. 2.1—										
Pavement of Streets, Const. of Drains & Other Schemes for village betterment	—	600.12	15.86	337.00	12.15	379.50	11.35	734.90	15.51	—
Total (1+2)		757.73	27.34	428.20	19.04	505.73	18.61	933.68	22.88	—
(B) Jawahar Rozgar Yojana (JRY)										
	—	—	—	—	—	—	—	—	1621.02	34.23

Table 3.4 Achievement in respect of funds availed/utilised and employment generated under R.L.E.G.P.

(Rs. in lakhs)

Year	Funds provided by Government of India			Target (Lakh Manday)	Achievement (Lakh Mandays)
	Cash	Value of food grains	Total		
1	2	3	4	5	6
1984-85	.. 540.00	—	540.00	20.41	20.95
1985-86	.. 555.00	107.72	662.72	17.54	20.69
1986-87	.. 477.00	154.22	631.22	15.00	18.02
1987-88	.. 509.00	138.87	647.87	19.57	20.73
1988-89	.. 678.50	—	678.50	15.58	18.82

3.47. Under other major Rural Development Programme-Pavement of Streets, Construction of Drains & Disposal of Sullage Water', 8716 villages have been taken up for work since the inception of the scheme out of which 7555 villages completed partially and 1161 villages completed in their entirety upto 1989-90. Under 'Promotion & Strengthening of Mahila Mandals, 590 Mahila Mandals have been assisted during the Seventh Five Year Plan. Apart from this, 354 Balwadis and 472 Craft Centres, functioning in the state at present are imparting nutrition education and training in income-generating activities to improve the lot of women. Since the inception of the programme, 8411 Panchayat Ghars have been constructed in the state upto 1989-90, out of which 1,589 Panchayat Ghars, have been constructed with state funds by the end of Seventh Five Year Plan.

3.48. In the Annual Plan 1990-91, an outlay of Rs. 14.66 lakhs have been provided in the State Plan which is mainly for staff for implementation and monitoring of I.R.D.P. Almost the entire programme under this sector-'Beneficiary oriented Programme' and 'Creation of Infrastructural Facilities' for the development of rural areas and directly benefitting the rural masses has been transferred for implementation at district level. A sizeable amount has been set apart as the 'Block Devolution of funds' to the districts for this purpose, detailed guidelines for which have been incorporated in the District Plan.

3.49. The programmes under the State Plan are discussed below :-

Integrated Rural Development Programme is a continuing national programme for which the staff at head-quarter is working since the inception of the programme to supervise and control the functioning of this programme throughout the state. For effective implementation of Integrated Rural Development Programme in the State, this existing staff would have to be continued during the year 1990-91 for which an outlay of Rs. 8.00 lakhs has been provided. For proper and effective implementation of Integrated Rural Development Programme in the State monitoring and auditing is most necessary. The staff under this scheme is working at the state Headquarter for

monitoring of I.R.D.P. and the expenditure is being shared on matching basis between the Centre and the State. During the Annual Plan 1990-91 this staff has to be continued for which an outlay of Rs. 3.00 lakhs as state share has been provided.

Study Tour of Non-Officials

3.50. In order to bring improvement in the working of Panchayati Raj system in the State, the members of the Panchayats will be sent on study tour to other states of the country to enable them to introduce good things of other states in their own areas. These will also help the understanding among the people of other parts of the country which ultimately promote the emotional integrity & unity of the country. An outlay of Rs. 0.60 lakh has been provided for the year 1990-91 to benefit 80 members of the Panchayati Raj Institutions out of which 25% members are to be scheduled Castes.

Issue of Yellow Cards for identification of Weaker Sections

3.51. To implement Integrated Rural Development Programme in the State, beneficiaries are identified to whom the yellow cards are issued for taking up the benefits under the programme. During the year 1990-91, a provision of Rs. 3.06 lakhs, has been made to meet the expenses of the Printing of Yellow Cards.

Centrally Sponsored Schemes Demonstration of Improved Chullas in Rural Areas

3.52. This scheme was started during 1984-85 as a 100% 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 1989-90, an amount of Rs. 222.65 lakhs has been spent under the scheme. The project is designed as a programme for women & by women so that they themselves become the agents of change for mitigating their drugery & health hazards through the use of efficient improved chullas.

Table 3.5 Progress of Improved Chullahs

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	Not fixed	862
Total	222.65	222.65	232000	416170	705	692	1250	2329

3.53 An outlay of Rs. 78.50 lakhs for Annual Plan 1990-91 at the current year level has been provided as 100% share of Government of India for the following purposes :-

	(Rs. in lakhs)
(i) Organising Training Camps at the rate of Rs. 80,00 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 to be supplied to each block (118 x 100)	.. 11.80
(c) Honourarium to self employed workers and T.A. etc. Honourarium	

Rs. 10 fixed per chulla, 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

3.54 This scheme was initiated in 1985-86 as a 100% Centrally Sponsored Scheme but actually got implemented in the State during 1988-89. This scheme aims at assisting the community development training centres of Nabha and Batala for conducting short term training courses, for block officers/village level workers, organising seminars, conferences and workshop and carrying out research projects/surveys & creation of other training infrastructure. During the year 1990-91, an outlay of Rs. 16.65 lakhs has been provided under this scheme as a 100% share of Government of India.

ANNEXURE

1. Integrated Rural Development Prorammes :

(As per Government of India)

(Lakhs)

(i) Number of families living below the poverty line in rural areas as per 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 (As per State Government)	..	2.63
(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 the 6th Plan	..	3.48
(vi) Number of additional families identified as living below the Poverty line after the survey	..	2.17
(vii) Total number of families which remain to be covered as on 31st March, 1985	..	5.65
(viii) No. of families covered during 1985-86 to 1989-90		(Number)
(a) New	..	201645
(b) Old	..	154536
(c) Total	..	356181
(ix) No. of families likely to be assisted during 1990-91 (New)	..	43239
(x) No. of families yet to be covered (in lakhs)	..	3.20

2. Pavement of Streets and construction old Drains :

(Number)

(i) Total Number of villages covered upto 1989-90	..	8716
(i) Number of villages fully completed out of (i) above	..	1161
(iii) Number of villages completed partially	..	7555
(iv) Number of villages yet to be covered	..	3472

3. Mahila Mandlas/Balwadis

(i) Total No. of Mahila Mandals in the State upto 31st March, 1990	..	11496
(ii) No. of registered Mahila Mandals out of (i) above	..	9318
(iii) No. of Mahila Mandals granted seed money up'to 31st March, 1990	..	1516
(iv) No. of Balwadis functioning in the State as on 31st March 1990	..	354
(v) No. of Craft centre functioning as on 31st March, 1990	..	472

4. Panchayat Ghars :

(i) Total No. of Panchayats in the State as on 31st March, 1990	..	10953
(ii) No. of Community Centres constructed upto 1965-66	..	5328
(iii) No. of Panchayat Ghars constructed by Panchayats out of their own resources	..	1494
(iv) No. of Panchayat Ghars constructed with State funds upto 1989-90	..	1589
(v) Tot (ii+iii+iv)	..	8411
(vi) No. of Panchayats left uncovered	..	2542

INTEGRATED WATERSHED DEVELOPMENT
PROJECT (HILLS) PUNJAB

Kandi Watershed and Area Development Project Phase-I was implemented in the Districts of Hoshiarpur and Ropar and was mainly confined to the Kandi Tract including Shivalik Hills situated to the North of Chandigarh-Ropar-Hoshiarpur-Dasuya Road. The project area originally comprised of 5 watersheds namely Dholbaha, Janauri, Chohal, Maili and Patiala-Ki-Rao which was subsequently extended to 6 more water-sheds namely,— Mehengarwal, Saleran, Siswan, Budki, Tibba Nangal and Lalwan in the Kandi Tract and including agricultural lands north of Chandigarh-Ropar-Hoshiarpur Dasuya Road which is affected by floods generated by heavy rains in Shivalik Hills. The main focus of the Project, however, remained on the Kandi Tract identified as most backward area in the State which lies within the civil districts of Hoshiarpur and Ropar. It covered an area of about 4600 Sq. Kms. (9% of the total area of the State) and contains about 6% of the Punjab's population.

4.2. In the background of problems identified the project objectives enunciated in the World Bank Staff Appraisal Report, 1980, were:

- (i) To reverse man-made ecological degradation —that had been going on the Lower foothills of Himalayas for decades, and
- (ii) To protect and develop agricultural Lands prone to serious erosion and flooding.

4.3. Initially, the Project was for five years and the estimated cost was 51.05 crore, for development of five watersheds namely, Dholbaha, Janauri, Maili, Chohal and Patiala-Ki-Rao. This pilot project for five years was undertaken for execution with effect from 1st April, 1980, although the Project Authorities were permitted to execute minor civil works and rehabilitation of upper watersheds under retroactive financing even during 1979-80. However, the project cost was revised to Rs. 59.88 crores for 8 years and additional six watersheds were taken up for development i.e. Mehengarwal, Saleran, Lalwan Budki, Siswan and Tibba Nangal against committed loan of 30 million US Dollars upto March 31, 1988. Against this, the total expenditure incurred during the project period has been Rs. 59.50 crore.

4.4. Major physical achievements of the project upto 31st March, 1988 since the inception of the project remained as under:—

- (i) Rehabilitation of upper catchment through reforestation and afforestation-cum-soil conservation works over 37,528 hect. completed.

- (ii) Construction of Dholbaha, Maili and Janauri Dams has been completed.
- (iii) Installation of five deep tubwells is in progress whereas ten deep tubwells in the area of Chohal and Tibba Nangal watershed have started irrigation to their command area.
- (iv) Land improvement works over 10,789 hect. have been completed in addition to the construction of six water harvesting tanks for irrigating 200 hect. of their command area.
- (v) Establishment of new orchards over 2,314 hect. and horticulture nurseries over 50 hect. have been completed.
- (vi) Under cattle improvement programme 2,793 improved cattle have been exchanged for inferior ones, in addition to the artificial insemination of 15,606 cows and buffaloes in the Kandi Area. Establishment of seven fodder banks-cum-service stations/milk-collection centres has been completed.
- (vii) Construction of two fish seed farms at Kutli (Ropar) and Hariana (Hoshiarpur) have been completed.
- (viii) Works on Kandi Regional Research Station, at village Ballowal Saunkhri (Hoshiarpur) covering 130 hect. are in progress.
- (ix) Feasibility Reports of 13 priority catchments have been finalised.

Integrated Watershed Development Project (Hills)
Punjab.

4.5. With the successful implementation of Phase-I of the Project, another Project has come into operation w.e. from 1st September, 1989 and would complete in 1996. The total cost the project is Rs. 53.21 crore. The components relating to Irrigation and Fisheries have been dropped and a new component of Agriculture has been included. The basic concept of irrigated Agriculture project as was adopted in Phase-I has been changed to the rainfed agriculture through conservation of moisture in situ and establishment of vegetative (live) hedges on contour rather

than the engineering works as was earlier conceived under Phase-I.

4.6. The project objectives are to verify and to promote low cost replicable and sustainable measures to:

- (a) Address 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 flooding and erosion and enhance yields in rainfed farming through soil moisture conservation in situ.

4.7. The project would endeavour to improve the standard of living and incomes of the population in the project area. The Project would embrace the non-arable upper catchment and the lower largely rainfed farming areas of the selected 17 watersheds having an estimated area of 87520 hectares in 483 villages of the Kandi Tract.

4.8. An outlay of Rs. 700.00 lakh is provided for various components under this project for 1990-91 as against the anticipated expenditure of Rs. 521.08 lakh during the current year as under:—

Component	(Rs. in lakh)	
	Anti-expenditure 1989-90	Approved outlay 1990-91
Forest	261.50	310.00
Soil Conservation	147.67	175.00
Horticulture	14.78	20.00
Animal Husbandry	62.28	85.00
Agricultural Research (PAU)	22.50	30.00
Watershed Plg. and Implementation Office (WPIO)	11.35	20.00
Agriculture	1.00	60.00
Total:	521.08	700.00

The various components of the Integrated Watershed Development Project (Hills) Punjab are discussed as under:—

1. Forest:

4.9. Upper catchments of Shivaliks are devoid of vegetation. This has resulted in severe erosion. Flash floods occur during rainy season and carry away a lot of top soil and debris which is spread in the fertile fields. This causes considerable damage to productive agricultural land. The work for protecting the upper catchment through development of

vegetative cover, is to be carried through the Forest Component. It is envisaged to cover an area of 2,500 hectares under this component during 1990-91 in addition to other works such as, construction of check dams, embankments of check dams, plantation of live (Vegetative) hedges on contours, fire lines, forest roads etc. For this purpose an enhanced outlay of Rs. 310.00 lakh is provided for 1990-91 as against the current year anticipated expenditure of Rs. 261.50 lakh.

2. Soil Conservation:

4.10. To tackle the menace of Soil erosion in the Kandi tract, an integrated watershed management programme is being implemented through this project in the selected watersheds. An amount of Rs. 175.00 lakh is provided for covering an area of 2200 hectares under the programme during 1990-91 as against the anticipated expenditure of Rs. 147.67 lakh during the current year.

3. Horticulture

4.11. The development of Horticulture in the Kandi Area through the establishment of new orchards (300 hectares) on the farmers fields is the responsibility of Horticulture component. In addition to the development of progeny nurseries in the Kandi Tract, the training to farmers (150) regarding latest techniques for the Horticulture Development is also being given by the Department. An enhanced outlay of Rs. 20.00 lakh is provided for implementation of this component in the Kandi Area during 1990-91 especially for the development of progeny nurseries, training of farmers and purchase of land for two new nurseries in Ropar and Hoshiarpur Districts as against the current year anticipated expenditure of Rs. 14.78 lakh.

4. Animal Husbandry:

4.12. Under this Project, artificial insemination facilities and supply of feed/Wheat-Bhusa or hay at 50% subsidy will continue during 1990-91 as in practice during 1989-90. An enhanced outlay of Rs. 85.00 lakh is provided for the artificial insemination of 1500 animals and supply of subsidised feed of 7000 quintals during 1990-91 as against the current year anticipated expenditure of 62.28 lakh.

5. Agricultural Research (Punjab Agricultural University):

4.13. Punjab Agricultural University has been assigned the responsibility of developing suitable varieties of farm, horticulture and forest crops in addition to the development of most suitable techniques for increasing the production of agriculture, horticulture and forestry under rainfed conditions. Micro watershed research on silt detention dams and other soil conservation techniques is also included in the programme of research under P.A.U. at Kandi Regional Research Station, Ballawal Saunkhri. It is envisaged to continue these Research trials during 1990-91 for the development of Kandi Area at an enhanced cost of Rs.30.00 lakh as against the current year outlay of Rs. 22.50 lakh.

6. Watershed Planning and Implementation Office (WPIO) :

4.14. WPIO has a key role to play for the proper implementation of the programme by the Watershed team leaders under the project for achieving the ultimate goal of improving the socio-economic condition of the backward areas of Kandi tract. Physical and Financial Monitoring and execution is the responsibility of this office. From the year 1989-90, the Project Director will be the controlling Head of the budget head newly created and thus, appropriation and reappropriation of the budget will be the responsibility of this office. Reimbursement claims as usual, will be Prepared by this office for onward submission to the Government of India/World Bank. Close liaison between the Project Components and Government of India and World Bank will be maintained by the Project Director (Joint Development Commissioner). Preparation of feasibility reports of the selected watersheds will also be the responsibility of this office. An enhanced outlay

of Rs. 20.00 lakh is provided under this scheme for 1990-91 as against the current year anticipated expenditure of Rs. 11.35 lakh.

7. Agriculture :

4.15. Agriculture has been a missing link in the chain of Integrated Watershed Development Multi-disciplinary programme. The main objective of the Project is to enlighten the farmers of this backward tract by providing the latest agricultural technology at their doorsteps which would ultimately improve the Crop potential of this area. It will cover District Ropar which has been not covered under the main T & V Project of Agriculture Department. This component will enable the Agriculture Department to reorganise itself with a view to enabling it to Integrate the field activities in the backward area of the state. An outlay of Rs. 60.00 lakh for this component is provided for 1990-91.

Physical Performance of the Integrated Watershed Development Project (Hills) Punjab for the year 1988-89

Sr. No.	Component/ Category	Unit	1988-89 Achievements
1.	Forest (i) Reforestation	(Hect.)	4500
	(ii) Soil Conservation Works	(Hect.)	4500
	(iii) Soil Conservation works in the catchment area of dams construction by Soil Conservation Deptt.	(Hect.)	400
	(iv) Live Hedges	(Rs.)	4,00,000
	(v) Buildings	(No.)	4
2.	Animal Husbandry (i) Supply of cross breed cows/high yielding buffaloes	(No.)	400
	(ii) Breeding of local cows/buffaloes through A.I.	(No.)	2500
	(iii) Supply of inputs for laying out Demonstration plots	(No.)	1500
	(iv) Supply of feed on 50% subsidy	(Qtls.)	6000
	(v) Supply of hay/wheat bhusa on 50% subsidy	(Qtls.)	8000
4.	Soil Conservation (i) Land shaping	(Hect.)	400
	(ii) Underground pipeline	(Hect.)	800
	(iii) Gully reclamation	(Hect.)	400
	(iv) Contour live hedges	(Hect.)	800

Sr. No.	Component/ Category	Unit	1988-89
	(v) Water Harvesting	(Hect.)	300
5.	Horticulture		
	(i) Plantation of orchard	(Hect.)	300
	(ii) Plants to be supplied	(No.)	50,000
	(iii) Estt. of Nurseries	(No.)	2
	(iv) Planting of rainfed orchards	(Hect.)	15
	(v) Training of farmers	(No.)	150

Physical Achievement 1989-90

Forest

1.	Re-afforestation	4500 (Hect.)
2.	Soil Conservation	
1.	Bench Terracing	245 Hect.
2.	Contour line heads	331 "
3.	Underground Pipe line	907 "
4.	Gully Reclamation	307 "
5.	Water Harvesting	360 "

Animal Husbandry

1.	Supply of Calf starter	1000 Calves
2.	Demonstration of urea treatment	100 Demonstrations
3.	Training of farmers	2000 farmers
4.	Holding of cattle shows	20 shows
5.	Late pregnancy ration	2000 Cows/Bulls
6.	Supply of LN	3000 Litt.
7.	Fodder demonstration plots	2000 plots
8.	Livestock Reduction	180 Animals
9.	Breeding of Cows/Buffaloes targets A. I.	2050 No.
10.	Training of unemployed youth as inseminators	15 No.
11.	Horticulture	
	Plantation	392 Hect.

INTEGRATED WATER RESHED DEVELOPMENT PROJECT (HILLS), PUNJAB

Target 1990-91

Sr. No.	Treatment	Unit	Vol.
I. Forest Department			
1.	Vegetative/Shrub barriers in trenches	ha.	87
2.	Afforestation	ha.	696
3.	Silvipature	ha.	244
4.	Vegetative barrier-Prod. Components	ha.	268
5.	Dry Masonary Structures	M ³	35000
6.	Vegetative check dams	M	40000
II. SOIL CONSERVATION DEPARTMENT ARABLE LANDS			
1.	Contour Vegetative barriers	ha.	147
2.	Terrace repair and Vegetative reinforcement	ha.	609
3.	(i) Vegetative field boundaries	ha.	242
4.	Rainfed Hort. (Conservation of marginal lands)	ha.	5
5. GULLY STABILIZATION			
	(i) Masonary and concrete structure	M ³	12045
	(ii) Crate wire structure	M ³	18620
6. STREAM BANK PROTECTION			
	(i) Crate wire structure	M ³	3780
	(ii) Vegetative Spurs	M	23000
7.	Village Ponds	No.	7
8.	Rehabilitation of village ponds	No.	12
9.	Makhawal Tanks	No.	4
10.	Water harvesting Tanks	No.	—
III. ANIMAL HUSDRANDRY DEPARTMENT			
1.	Livestock Reduction	No.	761
2. SUPPLEMENTARY FEEDING			
	(i) Late Pregnancy	No.	1200
	(ii) Calf rearing	No.	599
3.	On farm fodder production	ha.	50
IV. HORTICULTURE DEPARTMENT			
	Rainfed Horticulture Demostration	ha.	16
V. AGRICULTURE DEPARTMENT			
	Rainfed Crop. demonstration	ha.	836

CHAPTER—V

COOPERATION

Cooperatives have become part and parcel of the process of economic development. Development of Cooperatives results in diversification of economic activities particularly in agriculture sector and generation of more employment avenues. They encourage local enterprise and make them available the benefits of large scale economies by adopting the latest available technology to produce value-added products and credit & marketing facilities.

Strategy

5.2. The strategy of the Cooperative Department for the Annual Plan 1990-91 is :

- (i) to serve the interests of farmers by strengthening the cooperative credit base ;
- (ii) to prove greater facilities in terms of short term and long term advances ;

- (iii) to set up agro-based processing units ;
- (iv) to set up, modernise and expand Cooperative Sugar mills and Spinning mills ;
- (v) to develop Dairy sector under Operation Flood III; and
- (vi) to boost cooperative housing activities, to provide shelter to the shelterless especially in rural areas.

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 of these departments for the period 1985—90 is given as under :

(Rs. in lakhs)

Department	Approved Outlay Seventh Plan 1985—90	Actual Expenditure				1989-90 Anticipated Expenditure
		1985-86	1986-87	1987-88	1988-89	
1	2	3	4	5	6	7
Co-operation ..	5672.00	1258.17	1231.13	1362.30	1278.48	1765.19
Co-operative Audit ..	200.00	21.44	22.82	28.81	36.37	42.72
Total Sub-head Co-operation ..	5872.00	1279.61	1253.95	1391.11	1314.85	1807.91
Schemes reflected under other sub-heads ..	713.00	54.15	85.45	100.61	168.83	213.77
Grand Total ..	6585.00	1333.76	1339.40	1491.72	1483.68	2021.68

5.4. An outlay of Rs. 1720.00 lakhs including Rs. 5.80 lakh for Cooperative audit has been provided under the sub-head Cooperation during 1990-91. In addition, a sum of Rs. 400.00 lakh has been allocated for the schemes to be executed by the Cooperative Department but reflected under other sub-heads i.e. Housing (Rs. 150.00 lakhs), and Dairying and Milk Supply (Rs. 250.00 lakhs). Besides, an adequate amount has been provided as Block devolution of funds to the districts for the schemes/programmes relating to Industrial and Housing cooperatives reflected under the sub-heads 'Industries and Minerals' and 'Housing' for the benefit of the people at the grass-root level. Detailed guidelines have been incorporated in the District Plan.

5.5. Major Schemes/Programmes which will be undertaken in the State Plan by the Cooperation Department during 1990-91 are given in the following paragraphs :—

Credit Cooperatives :

5.6. Advancement of short-term loans is proposed to be stepped up from the likely achievement of Rs. 500.00 crores during 1989-90 to Rs. 550.00 crores by 1990-91. Similarly long term loans are proposed to be increased from Rs 80.00 crores during 1989-90 to Rs. 92.00 crores by the end of 1990-91. To achieve the proposed targets, capital base of the Primary Cooperative Credit Societies and the Cooperative Banks will be strengthened. An outlay of Rs.190.00

lakhs has been provided in the Annual Plan 1990-91 under the scheme CN 5.1. 'Share Capital Contribution to Apex, Central and Primary Credit Institutions and Societies' against Rs. 75.00 lakh during 1989-90. Under the programme 'Credit Cooperatives' a sum of Rs. 10.00 lakh has been provided under the scheme CN 5.2. 'Assistance to Central Cooperative Banks and Agricultural Service Societies as bad debt reserves and for consumption loan (risk fund)', in the Annual Plan 1990-91. A provision of Rs. 20.00 lakh has been made under the scheme CN 7.1. 'Assistance to Central Cooperative Banks for Agricultural Stabilisation Fund' in the Annual Plan to enable the Central Cooperative Banks to contribute their share in the conversion of short term agricultural loan to the medium term agricultural loan in the event of damage to crops on account of natural calamities. Due to law and order situation prevailing in the State, certain Cooperative Banks particularly those situated in the border areas are not able to maintain non-overdue cover because of less recoveries from the loanees. As such they are not eligible to get reimbursement from NABARD. To help the Central Cooperative Banks, Rs. 100.00 lakh have been provided under the scheme CN 5.3. 'Assistance to Cooperative Societies/Credit Institutions in the Cooperatively under-developed states and special areas for non-over

due cover' during 1990-91. An amount of Rs. 7.00 lakh will be invested in the Share Capital of the Punjab State Cooperative Agricultural Development Bank Ltd., under a new scheme CN 5.6. during 1990-91. In order to give relief to the farmers, assistance will be provided to Cooperative Banks/Agricultural Service Societies for waiving of loans upto Rs. 10,000 as per National Policy. An outlay of Rs. 10.00 lakh as token provision has been provided under the scheme CN 5.4 for the purpose. Besides, a sum of Rs. 1.00 lakh has been allocated under another new 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 are unable to pay these even after rescheduling. Matching assistance is to be provided by the Government on India under this scheme.

Cooperative Sugar Mills :

5.7. Sugarfed is setting up 4 Sugar Mills of 2500 TCD each at Ajnala, Faridkot, Jagraon and Budhlada which are likely to be commissioned during 1990-91. The funds for these Sugar Mills have been provided as under:—

Provision of Funds for Sugar Mills under Construction

(Rs. in Lakhs)

Name of the Sugar Mills	Total Cost		Total* State Share Capital Contribution by the State Govt. including NCDC share (Col. 5+ Col. 14) (32.5%)	State Share *		Growers' Share*		
	Original	Revised		Total (16.25%)	Provided upto 31st March, 1989	Provided during 1989-90	Total (7.5%)	Provided by the State Govt. during 1989-90 to meet the shortfall
1	2	3	4	5	6	7	8	9
Ajnala	2200	2560	832.000	416.000	276.917	139.083	192.000	123.782
Faridkot	2200	2564	833.300	416.650	276.916	139.734	192.300	123.782
Jagraon	2200	2523	819.975	409.987	276.917	133.070	189.225	123.782
Budhlada	2200	2490	809.250	283.237	250.250	32.987	186.750	126.780
Total	8800	10137	3294.525	1525.874	1081.000	444.874	760.275	498.126

(Rs in lakhs)

Term loan		NCDC Share*						
Total (60%)	Shortfall/ deficiency	Funds provided to meet the shortfall during 1989-90	Total amount provided during 1989-90 (Col. 7+9+12)	Total amount provided by the State Govt. for the project (Col. 5+9+12)	Total** (16.25%)	Provided upto 31-3-89	Provided during 1989-90	
10	11	12	13	14	15	16	17	
1536.00	75.00	75.00	337.865	614.782	416.000	338.125	77.875	
1538.40	75.40	75.40	338.916	615.832	416.650	338.125	78.525	
1513.80	45.80	45.60	302.452	579.369	409.988	338.125	71.863	
1494.00	45.00	45.00	204.767	455.017	526.013	338.125	187.888	
6082.20	241.20	241.000	1184.000	2265.000	1768.651	1352.500	416.151	

*As per revised cost.

**65% in backward (Budhlada) and 50% of total State Share Capital Contribution (Col. 4) in normal area.

5.8. As per the revised cost, the State Share Capital Contribution including NCDC share has been fully made. Out of Rs. 760.275 lakhs, Sugarfed is likely to collect Growers' Share to the tune of Rs. 100.00 lacs. It will, however, recover the amount of Rs. 2.00 lakhs provided as Share Capital to Doraha, Barn Taran, Nakodar and Fazilka Co-operative Sugar mills to meet the shortfall in Growers' Share and utilise this amount as such for the timely commissioning of the four mills under construction.

5.9. It is proposed to take the installation of 5 new sugar mills of 2500 TCD capacity each at a total cost of Rs. 30.00 crore each during 1990-91. The financing pattern of the new mills will be as given below :—

(Rs. in lakhs)

(i) Share Capital contribution by the State Government @ 16½ % ..	487.50
(ii) NCDC's contribution as share capital @ 16½ % ..	487.50
(iii) Term loan from the Financial institutions @ 60% of the total cost ..	1800.00
(iv) Growers' contribution @ 7.5% of the total cost ..	225.00
Total ..	3000.00

5.10. Besides, It is also proposed to set up a Citric Acid Plant at a total cost of Rs. 15.00 crore. A sum of Rs. 10.00 crore has been allocated as State Share Capital Contribution for setting up of new Sugar Mills/expansion of the existing Sugar mills and setting up of a Citric Acid Plant under the scheme CN 6.2 Share Capital contribution for expansion and installation of Cooperative Sugar mills during 1990-91.

Co-operative Spinning Mills

5.11. Erection of the Spinning Mills is another priority area to serve the interests of cotton growers in the best possible manner. Four Spinning Mills of 25,000 spindles capacity each had been commissioned at Kotkapura, Abohar, Malout and Mansa in the Co-operative sector, besides the commissioning of the Nakodar Co-operative Cotton Waste Spinning Mills Ltd., 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 Spindlage 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 Co-operative Sector in which open-end machines of available latest technology of the time were installed. The Tappa Co-operative Spinning Mills with an approved Spindlage capacity of 16345 Spindles and 336 rotors has cost Rs. 943.00 lakhs. The mills will process about 21500 bales of cotton annually with yarn production of 325 lakh kgs. Apart from the above 7 Co-operative 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 which is scheduled to be commissioned by the end of 1990. The mills will annually process 17440 M.Ts. of kapas for producing 5610 MTs. of Lint (33000) and also further spin 4885.65 M.Ts. of yarn annually. The State Government has already fully met its liability of Rs. 410.00 lakhs @ 20% as State Share capital contribution for the project. 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 total cost of Rs. 70.00 lakhs which started functioning during 1988-89. Considering the total quantity of 5 lakh bales of cotton being consumed by the 21 Spinning/Composite mills and with Spindlage of 6.00 lakh including 1.5 lakh spindles of 6 Co-operative Spinning Mills in the State, there still remains a surplus of 13-14 lakh bales of cotton every year which requires processing.

5.12. An amount of Rs. 241.00 lakh has been provided during 1990-91 for setting up of new Co-operative Spinning Mills/expansion and modernisation of the existing Co-operative Spinning Mills at Kotkapura and Abohar and setting up of two Ginning and Pressing units in the Co-operative Spinning Mills located at Mansa and Abohar under the scheme CN 6.4 'Assistance to Spinfed for expansion and setting up Spinning Mills/Handloom Weavers Spinning Mills and cotton waste spinning mills'.

Co-operative Processing Units by Markfed :

5.13. The Punjab State Co-operative Supply and Marketing Federation (Markfed) is also setting up various agro-based processing units in addition to supply of inputs and procurement of foodgrains on behalf of the Government. Markfed has undertaken the expansion/modernisation of Vanaspati Plant, Khanna under the World Bank scheme at a total cost of Rs. 1090.00lakhs. The financing pattern of the project is given as under :

(Rs. in lakhs)

(i) Loan from State Co-operative Bank Ltd. (60%)	654.00
(ii) NCDC's contribution as share capital (20%)	218.00
(iii) Share capital contribution by the State Government (15%)	163.50
(iv) Markfed's contribution (5%)	54.50

Total 1090.00

5-14. An amount of Rs. 90.00 lakh has been provided as State Share Capital Contribution to Markfed under the scheme CN 6.1 'Assistance to Markfed for setting up processing units', in the Annual Plan 1990-91 for the purpose. Besides, an amount of Rs. 5.00 lakhs is proposed to be provided to MARKFED for contribution as share capital in KRIBHCO during 1990-91 to avail of cash and kind incentives and ensure timely supply of fertilisers to the State.

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 crores during 1990-91. A sum of Rs. 5.00 lakhs has been provided under the scheme CN 6.8 'Contribution to the Share Capital of Central Co-operative Consumer Stores and State Consumers Federation' for strengthening the capital base of CONSTOFED, Punjab and an outlay of Rs. 10.00 lakhs has been provided under the Centrally Sponsored Scheme 'Assistance for distribution of consumer articles in rural areas', during 1990-91.

Co-operative Education, Research, Training and Publicity:

5-16. An outlay of Rs. 19.00 lakh for 1990-91 has been provided for the programme 'Co-operative Education, Research, Training and Publicity'. The outlay of the scheme CN 9.1 'Assistance to Punjab Co-operative Union for Education, Training and Publicity', has been enhanced from Rs. 12.50 lakh during 1989-90 to Rs. 16.00 lakh in 1990-91 to meet the increased expenditure on staff and cost of publicity materials. An amount of Rs. 1.00 lakh has been provided as assistance to Punjab Co-operative Union for casestudies and research programme during 1990-91. The balance amount is for training of co-operative subordinate personnel.

Co-operative Administration :

5-17. An outlay of Rs. 11.20 lakhs for the Annual Plan 1990-91 has been provided under the scheme CN 1.1 'Additional Departmental Staff' for new posts which may have to be necessarily created and purchase of vehicles, Computer etc. during the year.

Co-operative Audit :

5-18. Regular, timely and effective audit is essential for proper functioning of the Co-operative Institutions. Additional Staff is necessary both for proper audit of existing institutions and to cope with the envisaged expansion of this sector. An outlay of Rs. 5.80 lakhs has been allocated for any new additional expenditure on Co-operative audit during 1990-91.

REMAINING SCHEMES REFLECTED UNDER OTHER SUB-HEADS

Housing Co-operatives :

5-19. Punjab State Federation of Co-operative House Building Societies (HOUSEFED) has been set up for achieving the goal of providing house to the shelterless. By the end of the Seventh Plan, the total State Share Capital Contribution to Housefed is likely to the tune of Rs. 426.55 lakhs. To further strengthen its equity base a sum of Rs. 150.00 lakh will be provided as share capital during 1990-91 under the Scheme HG(a) 5.1 'Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy'. The progress of Housefed, Punjab is given in the table below:—

Progress of Housefed, Punjab

Item	Unit	As on						Target 1990-91
		30-6-85	30-6-86	30-6-87	30-6-88	31-3-89	31-3-90	
1	2	3	4	5	6	7	8	9
(i) Institutional Finance Raised								
(a) From L.I.C.	Rs. in lakhs	1650.00	2350.00	3050.00	3950.00	4950.00	6050.00	2000
(b) From Punjab State Coop. Bank Ltd.	"	—	—	—	—	500.00	1000.00	—
(c) From HUDCO	"	—	—	—	—	1199.98	1950.98	1800
Total (i)		1650.00	2350.00	3050.00	3950.00	6649.98	9000.98	3800
(ii) Loans sanctioned								
(a) Rural	"	—	—	—	361.61	651.56	1137.70	700
(b) Urban	"	1635.37	2262.15	3200.38	4882.76	6255.06	7100.38	1300
Total (ii)		1635.37	2262.15	3200.38	5244.37	6906.62	8238.08	2000
(iii) Houses financed								
(a) Rural	No.	—	—	—	476	1056	2028	1400
(b) Urban	"	4459	6124	8452	11224	13385	15076	2600
Total (iii)		4459	6124	8452	11700	14441	17104	4000

5-20. To help flood victims of 1988, HOUSEFED has also sanctioned Rs. 21.25 crore advanced by HUDCO to the members of Villagers Cooperative House Building Societies of flood victims for reconstruction or repair of their 40296 houses.

5-21. Housefed proposes to raise institutional finance to the tune of Rs. 38.00 crore during 1990-91. It is targeted to sanction Rs. 20.00 crore for the construction of 2,600 houses in urban areas and 1,400 houses in rural areas against 1691 houses in urban and 972 houses in rural areas during 1989-90. During the 7th Plan, Housefed has constructed 372 four storyed flats at an estimated cost of Rs. 3.00 crore under Mohali (Phase I) Project. It has also taken up 3 Projects at Bathinda, Mohali (Phase II) and Ludhiana. It has acquired 77 acres of land at Bathinda for bringing up a Cooperative Housing Complex of 803 dwelling units at an estimated cost of Rs. 8.00 crore. Land has also been allotted at Ludhiana and Mohali where 132 and 168 Duplex type dwelling units are being constructed at an estimated cost of Rs. 10.00 crore. These Projects are likely to be completed by the end of the year 1990.

Operation Flood Programme:

Dairy Cooperatives

5-22. 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 facilitates the procurement of inputs and services. Co-operativisation of Dairy sector started with Operation Flood-I Programme during the year 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. 47.19 crore. It has availed Rs. 42.33 crore from N.D.D.B. both in cash & kind under Operation Flood-II upto 31st March, 1989.

5-23. 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 6,000 Anand Pattern village level Milk Producers' Co-operative 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.T. per day 'Malted Milkfood' manufacturing facility.
- (v) Setting up of APS (Aseptic Packaging Station) with facilities of 50000 litres per day.
- (vi) Expansion of cheese manufacturing facilities (from 10 M.Ts. per month to 20 M.Ts. per month).

5-24. During the 7th Plan, Milk Plants at Gurdaspur and Patiala and Cattle Feed Plant at Ghania-Ke-Banger have been set up while the capacities of Milk Plants at Jalandhar, Hoshiarpur and Bathinda have been expanded. The total handling capacity of all the 10 Milk Plants in Co-operative Sector is 12.10 lakh litres per day against the daily milk collection of 4.00 lakh litres per day. The progress of various projects under implementation as on 31st March, 1990 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 MTs. per day. Civil works of the main dairy building are in advanced stage of construction and spray dryer is under erection. Till date about Rs. 678.00 lakhs against estimated cost of Rs. 1333.00 lakhs have been spent. Completion of work in terms of value is 41%. The scheduled date of completion of this project is December, 1990.

(b) Milk Plant, Jalandhar

It is proposed to increase the capacity of powder plant at Milk Plant, Jalandhar from 11.5 M.Ts. per day to 24 M.Ts. per day. Installation of Malted Milkfood manufacturing Plant with capacity of 4 M.Ts. per day has been completed and trial production is continuing. The expansion of powder plant has also been completed in January, 1989. The total expenditure incurred till date on these two works is Rs. 167.00 lakh against total estimated cost of Rs. 300.00 lakhs.

(c) Milk Chilling Centre, Ferozepur: Cap. 50,000LPD

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. 71.71 lakh out of total estimated cost of Rs. 88.55 lakh. Physical progress in terms of value is 81%. The chilling centre has been completed.

(d) Milk Plant, Verka

It is proposed to expand the handling capacity of this plant from 60,000 litres per day to 1,00,000 litres per day with the strengthening of Powder Plant at an estimated cost of Rs. 84.50 lakh.

(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 Rs. 43.89 lakh. Physical progress in terms of value is 39%. The project is scheduled to be completed by October, 1990.

(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. 96.04 lakhs of total estimated cost of Rs. 270.00 lakh. Physical progress is 50%. Civil works of the main building is near completion

and erection is started. The project is scheduled to be completed by the end of 1990.

5.25. To procure milk for the Milk Plants, 4910 Anand Pattern Milk Producers' Co-operative Societies are functional and artificial insemination facilities have been provided in 611 societies to serve the members of Milk Producers' Co-operative Societies by the Milkfed upto 31st March, 1990. 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

Serial No.	Particulars	Unit	7th Plan (1985-90) Target	Achievement					1990-91 Target
				1985-86	1986-87	1987-88	1988-89	1989-90	
1	2	3	4	5	6	7	8	9	10
1	Total No. of Societies organised	No. Cumulative	6000	4014	4450	4747	4917	4910	5000
2	Membership	No. in Lakhs	6.00	2.33	2.55	2.71	2.80	2.87	3.00
3	Average Milk Procurement per day	Lakh Litres	17.20	4.37	4.01	3.59	3.95	3.99	5.40
4	Mobile Veterinary Units	No.	120	68	68	39	22	..	..
5	No. of A.I. Centres	No.	5600	743	807	778	735	611	650
6	No. of animals inseminated	Lakhs	3.70	0.76	0.86	0.96	0.80	1.07	1.50
7	Quantity of Cattle Feed Sold	Lakh Tonnes	1.57	0.25	0.34	0.34	0.26	0.40	0.45
8	Handling Capacity	Lakh litres per day	12.10	8.60	10.60	11.60	11.60	12.10	14.10

5.26. An outlay of Rs. 250.00 lakhs as State Share Capital has been provided during 1990-91 under the Scheme D.M. 4-I Share Capital Contribution to Primary Cooperative Milk Societies, Union and Milk Federation'. It also includes Rs. 25.00 lakh for the expansion of Ice Cream Plant at Milk Plant,

Chandigarh from 200 litres per day to 2000 litres per day to be expanded at a total cost of Rs. 125.00 lakh Physical Targets and Achievements ;

5.27. The physical targets and achievements in respect of various activities of Co-operation Department are given in Annexure I. Important statistics with regard to 'Co-operation' are given in Annexure II.

ANNEXURE I

Serial No.	Item	Unit	Seventh Five Year Plan (1985—90) Target	Achievement				1989-90		1990-91
				1985-86	1986-87	1987-88	1988-89	Target	Anticipated achievement	Target
1	2	3	4	5	6	7	8	9	10	11
1	Co-operative Banks									
	(i) Branches	No.	625	604	636	641	637	650	650	655
	(ii) Deposits	Rs. in crores	425.00	430.06	464.98	615.60	£01.83	600.00	600.00	830
2	Reorganised Primary Agricultural Service Societies	No.	3356	3356	3356	3356	3377	3377	3377	3377
3	Agricultural Loan advanced during the year									
	(i) Short-term	Rs. in Crores	600.00	325.12	306.47	313.39	361.51	500.00	500.00	550.00
	(ii) Medium Term	"	10.00	1.95	0.98	0.81	1.05	2.00	2.00	1.00
	(iii) Long term :									
	(a) Ordinary	"	63.00	13.71	16.00	—	7.52	12.00	12.00	14.00
	(b) Special ARDC	"	287.00	32.90	37.00	60.03	60.37	68.00	68.00	78.00
4	Loans to small and marginal farmers :									
	(a) Short term	% to Total	50	45.9	48	48	49	50	50	51
	(b) Long term	Agricultural Loans	65	69	62	63	64	65	65	65
5	Overdue of short term agricultural loans :									
	(i) Central Co-operative Banks	% of demand	18	28	35.2	31.4	23.7	35	35	20
	(ii) Primary Agricultural Service Societies	"	20	11	11	12	12	20	20	20
6	Fertilizer retailed by Co-operatives :									
	(i) Quantity	Lakh Tonnes	6.00	4.49	2.81	2.40	3.24	5.00	5.00	5.00
	(ii) Value	Rs. in crore	300.00	211.00	129.27	113.84	154.00	260.00	260.00	270.00
7	Agricultural produce marketed by Co-operatives	"	450.00	363.59	216.10	133.33	375.00	400.00	400.00	500.00
8	Retail sale of consumer goods by the urban consumer co-operatives	"	5.00	2.45	3.50	2.36	4.92	4.50	4.50	4.50
9	Retail sale consumer goods through cooperatives in rural areas	"	50.00	25.13	26.00	46.00	28.80	40.00	40.00	40.00
10	Processing Units :									
	(i) Organised	Nos.	97	69	71	77	85	87	87	87
	(ii) Installed	"	91	61	65	66	68	70	70	70
11	Dairy Programme :									
	(i) Fluid Milk Plants	"	12	8	9	9	9	10	10	10
	(ii) Milk Product factories*	"	7	8	9	9	9	9	9	9
	(iii) Milk Producers Coop. Societies	"	6000	4104	4450	4747	4917	5300	5300	5600
	(iv) Dairy/Milk Producers Unions	"	11	11	11	11	11	11	11	11

*including creameries

ANNEXURE-II
IMPORTANT STATISTICS
(COOPERATION)

Co-operative Societies :

1. Total No. of Co-operative Societies in the State as on 31st March, 1989	..	27202
2. No. of Agriculture Credit/Service Societies functioning as on 31st March, 1989	..	3,377
3. Total No. of Industrial Co-operative Societies in the State as on 31st March, 1989	..	6,889
4. No. of Industrial Societies actually functioning out of (3) above.	..	3,015

Milk Plants :

5. Total No of Milk Plants in the State as on 31st March, 1989	..	15
6. Milk Plants in the Co-operative Sector as on 31st March, 1989 out of (5) above	..	10
7. Milk Plants under construction in the Co-operative Sector	..	—
8. No. of Milk Chilling Centres in the State as on 31st March 1989	..	..
9. Milk Chilling Centres in the Co-operative Sector as on 31st March, 1989	..	35

Sugar Mills :

10. Total No. of Sugar Mills in the State as on 31st March, 1989	..	13
11. No. of Sugar Mills in the Co-operative Sector out of (10) above	..	11
12. No. of Sugar Mills under installation in the Co-operative Sector	..	4
13. Total sugarcane production in Punjab during the year, 1988-89	..	60.60 Lakh Tonnes
14. Sugarcane crushed during 1988-89	..	25.26 Lakh Tonnes
15. Percentage of sugarcane being crushed in the State	..	42%

Spinning Mills :

16. No. of Spinning Mills in the State (1989)	..	21
17. No. of Composite Mills in the State (1989)	..	2
18. No. of Spindles installed	..	6.01 lacs
19. No. of Spinning Mills in the Co-operative Sector as on 31st March, 1989	..	6
20. No. of spinning Mills under construction in the Co-operative Sector	..	1
21. Total production of cotton in Punjab during 1988-89	..	21.18 lakh bales
22. Cotton produced in the Punjab as percentage of total production of cotton in the country	..	20.36%
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 (1988-89)	..	28.37%

CHAPTER VI

Irrigation and Flood Control :

The character of Punjab State being basically agrarian Irrigation is an extremely vital input. 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. Keeping in view the fact that since most of the surface water in the state has already been exploited main thrust and approach in the State is better water management and improved functioning to make the best utilisation of available waters. To achieve this target, a programme to modernise the irrigation system would be continued during the year, 1990-91. For this purpose the distributories, Minor and Water Courses are being lined to minimise conveyance losses and better water management. The water thus saved will be utilised for irrigation of new areas presently devoid of Irrigation facility.

6.3. The State has an excellent net work of irrigation facilities. Since most of the surface water resources in the State have already been tapped and 91 per cent of the net area sown is already under irrigation, greater stress is now being laid on creating higher irrigation potential through efficient water management techniques. The remaining un-irrigated area mostly lies in the sub-mountainous tract which gets comparatively higher rainfall.

6.4. Following the strategy, the guiding considerations in implementation of the irrigation and flood protection programmes during the Annual Plan 1990-91 are as under :—

- (i) First priority will be given to the projects being implemented with World Bank Assistance alongwith the completion of on-going irrigation projects/schemes which are in advanced stage of completion and are capable of yielding full or partial benefits during the Eighth Plan.
- (ii) New irrigation projects would be restricted to medium irrigation projects in backward and sub-mountain areas and to minor irrigation schemes which are capable of yielding benefits in the near future.

(iii) Modernisation of existing irrigation system

(iv) For Flood Control drainage and Water-logging schemes the emphasis would be on tackling water-logging problem of South-West Districts of the State in an integrated manner and to provide flood protection measure in vulnerable areas.

6.5. The project size of the Punjab Irrigation Project Phase-II has been kept at approximately Rs. 459.70 crores at the current rupees dollar exchange rate. The World Bank Assistance is likely to be of the order of 165.00 million U.S. Dollars (IDA credit SDR 117.7 million and IBRD Loan of U.S. Dollar of 15 millions). It works out to 65% of the cost. The entire amount of credit will be passed on to the State Government as Central Plan Assistance for implementing the project over period of 7 years though there is no bar in hastening the implementation schedule and drawing bank assistance in a shorter period. The bank is likely to indicate September 30, 1997 as the project completion date.

6.6. Though the percentage of net irrigated area sown during 1986-87 in the State was about 91 per cent (Provisional) irrigation in the districts of Hoshiarpur and Ropar was as low as 56.2 per cent and 60.3 per cent respectively. In order to tackle the problem of irrigation and bring these areas at par with the rest of the State, development of irrigation facilities in this tract is being taken up with more vigour. By completing the kandi canal with financial assistance from World Bank. Another Project for the development of Irrigation is facilities in the Kandi and Backward area is installation of tubewells. Some lift irrigation scheme are also being completed for providing assured means of Irrigation to these areas.

6.7. Keeping in view the importance and new farm technology irrigation has been accorded a comparatively high priority in the matter of allocation of funds during the year 1990-91. An outlay of Rs. 8506.00 lakhs has been envisaged during the period. The details of outlay provided are as under :—

(Rs. in lakhs)

Serial No.	Programme	Seventh Approved outlay	Anticipated Expenditure 1989-90	Annual Plan Approved/Revised Outlay 1990-91
1	Major and Medium Irrigation	26888.00	3526.00	4571.00
2	Minor Irrigation—			
	(i) Agriculture Department	100.00	30.00	30.00
	(ii) Irrigation Department	3712.00	565.00	844.00
	(iii) Punjab State Tubewell Corporation	1000.00	400.00	870.00
	Sub-Total (i+ii+iii)	4812.00	995.00	1744.00
3	C.A.D.	1600.00	600.00	585.09
4	Anti-Water Logging Drainage and Flood Control	3700.00	2130.00	1606.00
	Grand Total (1+2+3+4)	37000.00	7251.00	8506.00

6.8. The Irrigation programmes in the State include (i) Major and Medium Irrigation Schemes, (ii) Minor Irrigation Schemes of the Department of Irrigation, Agriculture and the Punjab State Tubewell Corporation. The various programmes are outlined below :—

Extension and Improvement of Shah Nehar Canal System :

6.9. Shah Nehar Canal is an inundated canal off-taking from river Beas at temporary Ray Head situated 5 Kms. downstream of Pong Dam.

6.10. On the construction of Shahnehar Barrage across Beas regular and regulated supplies had become available for feeding the Shah Nehar Canal System. The construction of Kandi Canal System off-taking from left side of Mukerian Hydrel Channel at RD 5575 will provide irrigation to 25360 hectares of new area. The length of this canal is 59.2 Kms. upto Hoshiarpur. The first 23.116 Kms. of the Canal is likely to be completed by the end of Seventh Plan and balance work would be completed by the end of Eighth Plan. An outlay of Rs. 1200.00 lakhs has been approved for the Annual Plan 1990-91 against the anticipated expenditure of Rs. 550.00 lakhs during 1989-90.

Lining of Channels Phase-II :

6.11. Punjab Irrigation Project Phase-II, lining of Channels is in continuation of the Phase-I Project and the remaining works of Phase-I would be dovetailed under Phase-II. This project is being executed with the World Bank Assistance. During the 1st time salice of 5 years Lining of Chennels in saline Ground Water area, Water logged zone and Sandy Areas in order of priority strictly as recommended by expert committee headed by Shri R.S. Gill has been proposed to be carried out. The total length comes to 816 Kms. which will be lined at a cost of about Rs. 10,000.00 lakhs. During the Annual Plan 1990-91, an outlay of Rs. 600.00 lakhs has been approved.

Satluj Yamuna Link Canal Project :

Main Canal :

6.12. The proposed SYL Canal is 121 Kms. in length. It is mainly a carrier channel for transporting the water falling to the share of Haryana State. The Anandpur Sahib Hydrel Channel will bring water of 10,150 cusecs upto Lohand Khad. The required capacity of SYL Canal corresponding to the maximum share of Haryana State, has been kept 6,500 cusecs. The balance water isto be utilised in Punjab i.e. 1,350 cusecs is required to be supplied to Ropar Thermal Plant and 900 cusecs of water will be utilised for irrigation in Punjab areas along the SYL Canal. The remaining water has to be transferred back to the River Satluj up-stream of Ropar Head works. The work in this project was started during 1983-84 and the project is likely to be completed by the end of 1991-92. An outlay of Rs. 500.00 lakhs has been approved against the likely expenditure of Rs. 600.00 lakhs during the 1989-90.

Providing Irrigation facilities to Punjab Area from S. Y. L. ,

6.13. It has been considered worth while and expedient to provide irrigation facilities to the areas located on both sides of SYL Main Canal for passing the required additional discharge through SYL Canal and then utilising the same for irrigation of Punjab areas. For this purpose, 900 Cs. have been earmarked by the State Government for providing irrigation to an area of 1,30,000.00 Hect. of Ropar and Patiala Districts. The entire area has to be covered by lift irrigation. An outlay of Rs. 1030.00 lakhs has been approved during 1990-91 against the anticipated expenditure of Rs. 950.00 lakhs during 1989-90. Completion of this component is linked with the SYL main canal and has to be completed simultaneously with it so as to provide irrigation facilities to Punjab area as soon as water starts flowing in SYL main canal.

Extension of non-perennial irrigation to areas in UBDC tract :

6.14. The project envisages the creation of an irrigation potential of 2.35 lakhs hectares which would utilise 1.83 MAF of Ravi Water in Punjab by increasing the water allowance of the existing areas, extension of perennial irrigation to non-perennial areas and extending irrigation to new areas. The work on remodelling of the channels, extension of channels, raising banks to cater for increased capacity have already been completed. Most remodelling of masonry structure like falls, regulators, bridges are in progress for increased discharge, which are expected to be completed by 1991-92. An outlay of Rs. 40.00 lakhs has been approved during the year, 1990-91 against the likely expenditure Rs. 65.00 lakhs during the year 1989-90.

Remodelling of Channels Utilisation of Surplus Ravi Beas Waters :

6.14. The project envisages the utilisation of a part of surplus Ravi Beas Waters by remodelling of existing irrigation Channels to increase the water allowance from 2.75 Cs. to 3.5 cs. thousand acres at the distributory head for the areas lying South-West of Ferozepur Jhirka line and to extend irrigation to new areas. The revised scheme envisages creation of an irrigation potential of 4.18 lakhs hectares. The work in remodelling of most of the channels, extension of channel and raising of banks has been completed. The remodelling of more channels masonry structures like falls regulators, bridges etc. for the increased discharge will be continued during Eighth Plan. An outlay of Rs. 60.00 lakhs has been approved during 1990-91 against the likely expenditure of Rs. 100.00 lakhs during 1989-90.

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

6.15. The approval of the modified project cost of Rs. 827.00 lakhs (Punjab 82.12 lakhs, Haryana 473.62 lakhs and Rajasthan Rs. 271.26 lakhs) has recently been received. The Haryana and Rajasthan Governments have deposited a sum of Rs. 25.00 lakhs each during 1987-88. A sum of Rs. 10.00 lakhs has been approved during 1990-91 against the nil expenditure

during 1989-90. The work on this project will start only after the deposit of the share by the participating states.

Providing Irrigation to Himachal Pradesh Area below Talwara :

6.16. Keeping in view existing water allowance norm in Punjab Himachal Pradesh will get 228 Cs. of water regularly without payment of cost as a result of an inter-state agreement. The cost of line channels for irrigation 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 channels will be shared between the two Governments under a formula mutually agreed. An outlay of Rs. 10.00 lakhs has been approved during the year, 1990-91 against the nil expenditure during 1989-90.

Dholbaha Dam :

6.16. This is one of the small dams being under construction in the Kandi Water Shed area. The

project involves the construction of an earthen dam with a maximum height of 32 meters across the Dholbaha Choe (District Hoshiarpur) 20 miles north-west of Hoshiarpur and one K.M. up stream of Dholbaha. An area of 3,745 hectares will be saved from the ravages of floods. Besides 2,329 hectares would be reclaimed. The main dam of the project has been completed. It is proposed to complete this project during the year, 1990-91 for which a sum of Rs. 200.00 lakhs has been approved. No funds would be allocated after 1990-91.

Providing gates and gearing to modernise the existing Canals :

6.17. Modernisation and improvement of existing canal system is required to be undertaken so as to conserve the supplies of water in the best manner possible for future development of irrigation.

The details of the works to be executed under this scheme are as follows :—

S. No.	Description	Provision of gates gearing No. of gates		Provision of automatic guage	Provision of escapes (New)		
		X-Regu- lators	Head Regu- lators		Gated controlled	Spill way type	
1	Sirhind Canal system	..	48	39	33	16	28
2	Sirhind Feeder system	..	7	28	14	..	7
3	Eastern Canal system	..	5	14	7	6	2
4	U. B. D. C. system	..	37	65	14	4	11
5	Bist Doab Canal system	..	16	41	41	2	10
6	Bhakra Main Line Canal	..	13	20	10	3	8
Total		..	126	207	119	31	66

The project estimates amounting to Rs. 4500.00 lakhs have been sent to CWC for approval. A sum of Rs. 86.00 lakh has been approved during the year 1990-91. On completion of this scheme, an irrigation potential of 25.50 thousand hect. will be created with the water so saved.

Communication system on Canals ;

6.18. It is proposed with the assistance of World Bank to replace the century old magnet system which does not cater to the present day needs with the new Radio-relay system. Initially in the 1st five year salice it is proposed to link 3 No.

districts Head quarters Ferozepur, Jullundur and Ludhiana along with the stations lying 30—35 Km. of these important stations in Punjab managing the Irrigation system and controlling the floods with Headquarters. The Government of India Ministry of Communication has already allocated the frequencies and agreed in principle to grant licence for the operation of wireless system. During 1990-91, a taken outlay of Rs. 25.00 lakh has been approved

Computer Application design and Training

6.19. The Irrigation Department being big and having a number of heavy earth moving machinery transport vehicles with a large strength of personnel

has necessitated the need to instal a computer in the department. The need for computer has been further strengthened for keeping Records, Personnel Management Accounts Keeping Inventory Control, Canal scheduling, collection compilation and Analysis of data.

6.20. No outlay has been approved for this scheme. However, the scheme may be sent to the Planning Department for clearance as per policy decision. The money will be provided out of the specific funds kept for this purpose. The scheme is a part of World Bank Project Phase-II.

(b) Training Programme for Officers

With a view to identify and select the proper training programme of middle level officers and to have the State of art information on the availability, and relevance of such programmes to the needs of Punjab Irrigation Department. Study tours of 10 Senior level officers to foreign countries have been provided in Irrigation Project-II. These officers will visit various places, e.g. Universities, Research Organisations, Water Resources Organisations, etc. and formulate the detailed training requirements of the middle level officers. The entire training programme is expected to be completed within a period of 5 years simultaneously with the implementation of Irrigation Project-II. An outlay of Rs. 56.00 lakhs has been approved for the training programme during the Annual Plan 1990-91.

Setting up of Punjab Irrigation Management Training Institute ;

6.22. It is proposed to set up Punjab Irrigation Management Training Institute (PIMTI). The objective of PIMTI is to:—

- (i) Impart training to the new entrants in the Punjab Irrigation Department at the level of Irrigation Booking clerks, Zilladars, Junior Engineers and Sub-Divisional Officer in framing M warabandi rotational programmes, Planning of water management, measurement of discharge. OAM of Canal and drainage systems, gates and gearing design of simple command area structures etc., (ii) run refer sher courses for senior level officers of the department with a view to improve/update their professional skills and to introduce new ones and (iii) hold workshops/seminars/symposium to promote inter-action amongst planners, designers practising engineers etc. The estimates cost of PIMTI scheme including recurring expenditure during 1991—95 is Rs. 4000.00 lakhs. This constitutes a part of the Punjab Irrigation Project Phase-II. The approved outlay during the Annual Plan 1990-91 is Rs. 25.00 lakhs.

WATER DEVELOPMENT

Research Schemes ;

6.23. A number of research schemes in all the disciplines relates to irrigation are being carried

out at Irrigation and power Research Institute, Amritsar, Government of India is laying great stress on adequate research to be carried out. Newer Research experiments programme to introduce modern techniques in irrigation technology and evolve economical design o criteria for adoption in future projects are being carried out in this Research Institute. A sum of Rs. 50.00 lakhs has been approved for the year 1990-91 against the likely expenditure of Rs. 39.00 lakhs during 1989-90.

Investigation of Schemes

6.24. 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, investigation are required for new schemes orientation towards the goal of utilisation of the available water resources to get maximum return from irrigation land. Considerable attention will have to be focused in introducing new irrigation practices, modern water management techniques. For this purpose, it will be necessary to collect data on water requirement of crops, cropping pattern in vogue and the manner in which flow irrigation is actually utilised by the farmers. An outlay of Rs. 85.00 lakh has been approved during the Annual Plan 1990-91 against the anticipated expenditure of Rs. 75.00 lakhs during 1989-90.

6.25. Details regarding cost estimates date and start expected date of completion starts of project, expenditure incurred upto 1988-89, spill-over requirement after 1988-89, outlays 1989-90 and 1990-91 in respect of irrigation projects are given in Annexure-I. Details regarding targets and utilisation of Irrigation potential upto the year 1984-85 an achievement during Seventh Plan and target for 1990-91 in respect of major and medium irrigation project are given in Annexure-II. The financial break-up of schemes (Annexure to statement-II) is given in Annexure-III.

Minor Irrigation :

6.26. While the outlay for major and medium irrigation programmes are met exclusively from the public sector the resources for the minor irrigation schemes are also supplemented by institutional sources. The State Government's role in Tubewell Irrigation has been promotional which includes (i) investigation of ground Water resources and (ii) mobilisation of institutional finance mostly through the Land Mortgage Banks. Its direct investment in Minor Irrigation has been limited to deep tubewells.

6.27. The main thrust under minor irrigation programmes is, therefore, towards (i) acceleration in flow of institutions investment (ii) Stepping up rural electrification by energisation of additional tubewells/pump sets (iii) taking full advantage of special participating schemes of NABARD and commercial Banks. The Hydrological surveys of ground water strata for the benefits of the farmers.

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

Lift Irrigation Schemes in Anandpur Sahib and Ropar :

6.29. Hilly areas in Ropar District are devoid irrigation facilities. Flow irrigation in these areas is not possible. The areas are fertile and economic condition of the cultivators is not good. In order to provide much needed irrigation facilities to this area which is socially and economically backward following three lift irrigation schemes have been sanctioned by the Government.

- (i) Providing Lift Irrigation facility to the area on the left side of Anandpur Sahib Hydel Channel between Nangal Township and Doroli village in Anandpur Sahib Block, District Ropar.
- (ii) Lift Irrigation scheme for village Attari Bunga, Tajpur etc., in Ropar Block District Ropar.
- (iii) Providing Lift Irrigation facilities to the area of village Tarapur Nanowal

and Damleheri etc., in Anandpur Sahib Block.

6.30. A sum of Rs. 30.00 lakhs is approved during 1990-91 against the nil expenditure during 1989-90 with the completion of this scheme an irrigation potential of 1.15 thousand hectares will be created.

Low Dams in Kandi Area Phase-II :

6.31. A master plan for water resources development in Kandi area has been prepared dividing the whole Kandi Tract in 14 Zones on the basis of Hydrology and Hydrogeology of the areas. 2 No. dams at Januari and Maili have been completed under Phase-I and remaining 8 dams of first Phase have been detailed to include in Phase-II, being assisted by World Bank which are as follows :—

Sr. No.	Dam site	Approx Catchment area (Sq. Km.)	Approx Command Area (Hects.)
1	Damsal (Mehngerwal)	23.3	1920
2	Perch (Patiala-ki-Rao)	5.6	300
3	Chohal	16.1	950
4	Saleran	7.2	450
5	Ram Tatwalix	5.5	450
6	Mirzapur (Budki)	13.9	970
7	Malot	21.0	1380
8	Lalwan	9.25	500
9	Siswan	15.6	950
10	Soonk (Jainti Devi Ki Rao)	7.1	415
11	Haripur (Sughree)	13.7	470
12	Arnialas	5.8	271
13	Thana	19.0	1660

6.32. These low dams in Kandi area would attenuate floods to provide flood protection. The storage would provide flow irrigation facilities to the Kandi area, increase recharge to ground water, and reclaim down stream from the choes. The approved outlay for the Annual Plan 1990-91 is to the tune of Rs. 650.00 lakhs against the likely expenditure of Rs. 400.00 lakhs during 1989-90.

Technical Assistance, Research and Training :

6.33. The Directorate of Planning Design Studies was setup in the Irrigation Department with foreign consultants in the year 1980 to conduct research in Kandi area in respect of ground & surface water resources.

6.34. After the expiry of contract with the foreign consultant the responsibility of preparing feasibility report for development in the Kandi area for construction of Low Dams etc., on various water sheds in the area was taken over by the Indian Engineer Posted in this Directorate.

6.35. Ground water investigation instrumentation of the Hydrology and Sedimentation sites in different water sheds, etc are also programmed to be carried out. Besides, it is proposed to send technical personnel for training under the scheme in Universities abroad so that they are kept abreast of

the latest development in the field of Irrigation Engineering. A sum of Rs. 50.00 lacs has been approved for investigation, research and training under the scheme during the year 1990-91 against the anticipated expenditure of Rs. 50.00 lakhs during 1989-90.

Directorate of Water Resources :**Integrated Utilisation of Water Resources :**

6.36. This scheme aims at investigating and evaluating the assured stable ground water potential of the state for preparing an optimum integrated development plan covering both ground and surface water resources. Besides the system planning study exploratory bores to be drilled for locating aquifers for installation of tubewells. A sum of Rs. 114.00 lacs has been approved for the Annual plan 1990-91 against the likely expenditure of Rs. 80.00 lakhs during the year 1989-90.

Agriculture Department**Re-structuring and Strengthening of Ground Water Organisation :**

6.37. The only minor irrigation scheme of Department of Agriculture relates to the re-structuring and strengthening of Ground Water

Organisation. It is centrally scheme on 50% sharing basis, for purchase of machinery and equipment for deep drilling. The investigation and development of ground water resources is the main objective of the scheme. The ground water Cell would evolve strategy to mainimise the adverse effects of exploitation of ground water in the under ground reservior and disseminate vital information to the farmers for their benefits. An outlay of Rs 30.00 lakhs has been approved for the Annual Plan 1990-91 against the likely expenditure of Rs. 30.00

lakhs during 1989-90. No new staff will be recruited.

Punjab State Tubewell Corporation :

Tubewells

6.38. The role of the Punjab State Tubewell Corporation (PSTC) since its inception has been installation of tubewells. The progress of work stagewise in respect of tube-wells is given below: —

Sl. No.	Stage of work	At the end of 1988-89		1989-90 anticipated No.		1990-91 Target	
		No. of direct tubewells	Irrigation potential (000Hect.)	No. of direct tubewells	Irrigation potential (000 Hect.)	No. of direct tubewells	Irrigation potential (000 Hect.)
1	Drilled	579	63.800	50	3.750	12	0.900
2	Developed	545		50		12	
3	Completed	486		50		12	
4	Energised	500		50		12	

6.39. The deep tubewells are mainly installed in the backward and sub-mountane areas of the State where at present are no assured means of irrigation. The water table is very deep and it is beyond the capacity of individual farmers to instal and operate tubewells. A sum of Rs. 463.83 lakhs has been approved during 1990-91.

Repayment of Principal and interest :

6.40. 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. A sum of Rs. 311.17 lakhs has been approved during the Annual Plan 1990-91.

Purchase of Machinery under the centrally sponsored Schemes

6.41. It is proposed to give drilling rigs with related equipment, electrical loggers, blasting units geophysical surveys equipment and Hdrogeological instruments etc. to the underground organisation of the State. Under the scheme central Government has agreed to provided an amount of Rs. 50.00 lakhs share during the next five years. An outlay of Rs. 15.00 lakhs in approved during 1990-91 on matching basis.

Taking over of Central Ground Waters Boar Tubewells (CGWB)

6.42. There was a sort of under standing that the exploratcry bores drilled by CGWB will be utli-

mately taken over by Punjab Government who will convert them into production wells. An outlay of Rs. 40.00 lakhs has been proposed for this scheme during the 1990-91

Replacement and Improvement of Tubewells :

6.43. Through constant operation ever years and on account of ageing effect, some of the tubewells start yielding low discharge and start giving sand contents higher them the normal permissible. Work ing of such tubewells becomes un-economical and therefore these have to be abandoned and replacement provided so that areas already under Irrigation continues to have irrigation. A sum of Rs. 20.00 lakhs is approved during the Annual Plan for the year 1990-91.

Laying of Additional underground pipe lines :

6.44. The Govt. 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 underground pipeines. Accordingly a sum of Rs. 20.00 lakhs has been approved for the Annual Plan 1990-91.

6.45. The total expenditure incurred on the installation of tubewells and other minor irrigation

schemes of PSTC upto the end of 1988-89 anticipated during 1989-90 and proposed during the Annual Plan 1990-91 is given below:—

EXPENDITURE

(Rs. in lakhs)

Sr. No.	Name of the Scheme	Upto 1988-89		1989-90		1990-91	
		Total	Plan provision	Total	Plan provision	Total	Plan provision
1	Installation of Tubewells ..	2,681.55	641.75	500.00	100.00	463.83	463.83
2	Repayment of Principal & interest ..	1,233.66	1148.77	255.79	255.79	311.17	311.17
3	Taking over of Central Ground Water Board Tubewells ..	15.05	15.05	40.00	8.00	40.00	40.00
4	Replacement & Improvement of Tubewells ..	20.00	20.00	12.21	12.21	20.00	20.00
5	Purchase of Machinery (50% sharing basis) ..	260.00	130.00	40.00	20.00	15.00	15.00
6	Laying of additional pipe lines ..	..	..	20.00	4.00	20.00	20.00
	Total ..	4,210.26	1,955.57	868.00	400.00	870.00	870.00

COMMAND AREA DEVELOPMENT

Lining of Water Courses Phase-II

6.46. The Lining of water courses was started by PSTC in the year 1975-76 and a length of 3134 KMs was lined upto 1978-79. A length of 19969 Kms has been completed during Phase-I with the World Bank assistance from 1979-80 to June, 1986. The total lining of Water Courses comes to 27867 KMs upto the end of March, 1989 which has created additional irrigation potential of 222936 hectares, there is a target to line 1500 KMs length during 1989-90, which would create an other irrigation potential of 12000 hectares.

6.47. The World Bank Phase-II Project, envisage lining of 10240 Km. length of water courses in five years time in Distts of Amritsar, Bhatinda, Sangrur, Patiala, Ferozepur, Faridkot, Gurdaspur, Ludhiana, Kapurthala, Jalandhar. This will create an irrigation potential of 81920 hec. The total cost of the project is Rs. 20000.00 lakhs which would be spend during next five years. An outlay of Rs. 585.00 lakhs has been approved during the year 1990-91 against the likely expenditure of Rs. 600.00 lakhs (as 20% seed money) during 1989-90.

Antiwater Logging and Flood Control.

6.48. Main emphases in this sphere of activity has recently been on the construction of embankments and drainage improvement. Besides widening deepening and preconditioning of existing drains, 1068.39 of flood protection embankments and 6633.56 KMs of surface drains had been completed by the end of 1988-89 These provided relief protection to about 26.16 lakhs hectares of new areas as against the estimated total flood prone areas of 37.00 lakh hectares. During the year 1989-90 it is envisage to construct 3.00 KMs of new embankments and 50.00 KMs. of drainage channels with approved outlay of Rs. 1630.00 lakhs. This would also provide protection to an additional new area of 0.17 lakh hectares beside providing protection to an old areas of 2.50 lakh hectares. It is proposed to construct 10 KMs. length of new embankments and 50.00 KMs. of drains and 0.10 lakhs hectares of new area will be protected with a proposed investment of Rs. 950.00 lakhs during the Annual Plan 1990-91.

6.49. It was considered necessary to adopt multipurpose approach to tackle these problems. The envisaged the construction of embankments down stream of choes and river system and taking under

other non-engineering works of afforestation, soil conservation and watershed management along with flood protection and drainage works in the effected reaches. Keeping in view the urgency and need necessitated by the recent floods an outlay of Rs. 1606.00 lakhs has been approved for the Annual Plan 1990-91. It would be expected as under:—

(Rs. in lakhs)

	1990-91 Approved Outlay
1. Flood Control and Drainage Schemes	950.00
2. Anti-water Logging works in area of southwestern district of Punjab for lowering the water table	556.00
3. Sub-surface drainage projects for developments of South-West District of Punjab	100.00
Total	1606.00

Integrated Project to lower the water table in South West District of Punjab

6.50. Due to excessive seepage from feeder channels travesting this area such as Rajasthan Feeder, Ferozepur feeder, Sirhind Feeder and Bikaner canal the area is receiving excessive in-flow to ground water. As the withdrawal from the ground water is not matching the additional flow due to ground water being saline and containing toxic elements like Boron, fluoride, the watertable is constantly rising and is between 0-5 feet from the ground level and is bringing additional area under water logging. Over the past a few years, the water logging problem appeared in the South-western districts of Punjab has now attained quite an alarming proportion. Vast tracts in this Zone have become water logged with the result, the buildings have started crumbling down and the roads have been badly damaged, Muktsar and Faridkot towns were virtually floating on water. The water logged area at present is estimated to order of 2.00 lakh hect.

6.51. The problem of water logging in South-West districts of Punjab attracted attention in 1980-81. The Deputy Commissioner, Ferozepur in consultation with the Chief Engineer (Drainage) submitted a proposal in 1981-82 at an estimated cost of Rs. 562.82 lakhs to relieve drainage congestion in the area. The expenditure on this scheme upto the end of 1989-90 is expected to be Rs. 2859.00 lakhs.

6.52. Subsequently it was realised that this proposal was ineffective as it sought to tackle the problems on localised basis. To make it effective, an integrated project spreading over the entire effected area of South-West Districts of Faridkot, Ferozepur Bhatinda and Sangrur districts devetailing the earlier proposal is under approval with Central Water Commission for execution. The entire project is expected to cost about Rs. 5240.00 lakhs at 1984 price level. The balance escalated cost at 3/84 level is Rs. 4505 lakhs. The balance cost of the project with an implementation period of 5 years i.e. 1990—1995 is expected to rise to the tune of Rs. 5292.00 lakhs.

6.53. The project is under implementation during the 7th Plan period since 1984-85 from State Plan. However, this project is part of the Punjab Irrigation Project Phase-II being implemented with it the world Bank Assistance from the beginning of the 1990-91 year plan. The project stands cleared from Central Water Commission. The Physical progress and benefits achieved as far as are follows:—

- (i) New Drainage excavated 234 KMs.
- (ii) Reconditioning of existing drains 1400 KMs
- (iii) VR/DR bridges completed 110
- (iv) Area likely to be benefited 70000 Hects.

An outlay of Rs. 556.00 lakhs has been approved during 1990-91 against the likely expenditure of Rs. 500.00 lakhs.

Sub-surface (Pipe) Drainage for development of water logged area in South-Western Distt. of Punjab

6.54. There are some low lying pockets in South-West Distt. of Punjab from 2 lakhs hect. area which is water logged. Surface drainage system is not effective there. These low lying pockets will require sub-surface Horizontal drainage. The World Bank Team who visited the area in early 1987 also opined the taking up of the sub-surface Horizontal pipe Drainage System for the development of water logged area of Distt. Faridkot, Ferozepur, Bhatinda and Sangrur. An area of 16400 Hect. Scattered over 163 pockets has been identified. The S.W.C. agreed to include at 1st stage only 5000 hect. areas which covers 41 pockets. The cost of the scheme is Rs. 11.55 crores at 1988 price level and 1st escalated cost is Rs. 13.00 crores. The scheme has been cleared by the Technical Advisory Committee of C.W.C. of MOWR. This scheme is included in the Punjab Irrigation Project Phase-II being executed with the World Bank Assistance and Rs. 100.00 lakhs has been approved during the Annual Plan 1990-91.

**STATEMENT SHOWING DATE OF START AND COMPLETION
STATUS AND DETAILS OF EXPENDITURE**

Statement showing date of start and completion

Serial No.	Name of the Scheme	Estimated cost		
		Original	Revised	Likely cost (escalated)
1	Dholbaha Dam	3,94.40 (1977)	9,40.00 (1982)	21,10.00
2	Extension of non-perennial irrigation to areas in UBDC tract	1,86.00	6,20.00	11,27.23
3	Extension & improvement of Shah Nehar Canal	10,63.00 (1977)	32,55.00 (July, 1982)	1,08,00.00
4	Remodelling of Channels utilisation of surplus Ravi-Beas Waters	1,86.55	11,53.00	15,78.01
5	Lining of Channels Phase-II	3,64,48.00	4,22,55.00	1,00,00.00
6	S.Y.L.			
	(i) Main Canal	17,660.00	27,200.00	4,90,00.00
	(ii) Providing Irrigation facilities to Punjab Area	54,54.00	(4500 Punjab share)	6,96,00.00
7	Low Dams in Kandi Area Phase-II	—	—	59,13.00
8	Anti-Water Logging, Surface drainage schemes for lowering water table in South-West districts of Punjab	—	—	52,00.00 (Balance escalated cost)
9	Sub-surface drainage project for lowering water table in south-west Districts Punjab	—	—	13,00.00

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Status and details of Expenditure

(Rs. in lakhs)

Status of project	Date of start	Scheduled date of completion	Outlay for 7th Plan	Expenditure upto 88-89	Anticipated expenditure 1989-90	Spillover requirement	Proposed outlay for 1990-91
Stands cleared	1980-81	Completed only residual works left	6,00-00	15,91-39	1,40-00	3,78-61	2,00-00
Clearance awaited	1967-68	Stat	2,50-00	7,84-88	65-00	2,77-35	40-00
Stands cleared	1974-75	8th Plan	20,00-00	40,64-57	5,50-00	61,85-43	12,00-00
Clearance awaited	1967-68	1990-91	2,50-00	133,2-71	1,90-00	1,45-30	60-00
Clearance awaited	1987-88	9th Plan	90,36-96	—	50-00	9,99,50-00	6,00-00
Clearance awaited	1983-84	8th Plan	29,00-00	46,48-60	3,00-00	—	5,00-00
Clearance awaited	1983-84	8th Plan	44,54-00	32,36-90	15,50-00	21,79-10	10,30-00
Clearance awaited	1990-91	8th Plan	10,00-00	—	—	52,00-00	6,50-00
Cleared by T.A.C. G.O.I.	1983-84	8th Plan	—	—	—	—	5,56-00
Clearance awaited	1990-91	8th Plan	—	—	—	—	1,00-00

Major, Medium and Minor Irrigation

Serial No.	Name of the Scheme	District to be benefitted	Ultimate irrigation potential	Achievement upto 1984-85	
				Pot.	Util.
1	2	3	4	5	6
I. Major and Medium Irrigation Projects					
1	Dholbaha Dam	Hoshiarpur	2.60	—	—
2	Extension of non-perennial irrigation to areas in UBDC tract	Amritsar Gurdaspur	233.00	230.00	228.00
3	Utilisation of Surplus Ravi, Beas Water	Bhatinda Ferozepur Faridkot Sangrur	418.00	253.16	251.16
4	Extension & Improvement of Shah Nehar Canal (Kandi Canal)	Hoshiarpur Jalandhar	25.36	12.00	1.00
5	Lining of Channels Phase-I	All Districts	86.89	58.78	58.78
6	Lining of Channels Phase-II	All Districts	53.50	—	—
7	Construction of new Distys, Minor & Bridges	All Districts	24.00	7.35	5.35
8	Providing Irrigation facilities to Punjab area through S.Y.L.	Ropar & Patiala	130.00	—	—
9	Providing Irrigation facilities to Erstwhile Malerkotla State	Sangrur	15.00	—	—
10	Modernisation of existing Canals (Gates & Gearing)	All Districts	25.50	—	—
			1,013.85	561.29	544.29
II. Minor Irrigation Projects					
1	Low Dams in Kandi Area Phase-I	Hoshiarpur	6.60	—	—
2	Low Dams in Kandi Area Phase-II	Ropar & Hoshiarpur	10.00	—	—
3	Lining of Water Courses Phase-I	Bhatinda, Ferozepur, Faridkot & Sangrur	116.00	132.48	132.48
4	Lining of Water Courses post Phase-I	Bhatinda, Ferozepur, Faridkot & Sangrur	100.00	—	—
5	Lining of Water Courses Phase-II	Ditto	—	—	—
6	Installation of Tubewells	Bhatinda, Hoshiarpur	10.00	57.35	57.35
7	Lift Irrigation schemes	Ropar	1.15	—	—
			243.75	189.83	189.83

II

Project and Achievement

(Potential in Th. Hects.)

Target 7th Plan 1985-90		Achievement 1985-86 to 1987-88		Achievement 1988-89		Anticipated Achievement 1989-90		Target for 1990-91	
Pot.	Utl.	Pot.	Utl.	Pot.	Utl.	Pot.	Utl.	Pot.	Utl.
7	8	9	10	11	12	13	14	15	16
2.60	2.60	1.50	0.30	0.65	0.19	0.60	0.60	—	—
5.00	6.00	2.50	2.50	0.40	0.40	0.04	0.04	0.06	0.06
48.00	48.00	27.86	17.65	10.82	10.82	12.00	12.00	15.00	15.00
—	—	—	—	—	—	—	—	—	—
8.50	8.50	—	—	2.76	—	1.80	1.80	1.00	1.00
28.00	28.00	22.56	15.92	0.94	0.94	1.50	1.50	—	—
—	—	—	—	—	—	—	—	5.00	5.00
6.50	6.50	1.07	2.47	5.79	5.79	2.00	2.00	—	—
85.00	85.00	—	—	—	—	73.83	—	63.00	—
8.00	8.00	—	—	—	—	—	—	—	—
191.60	192.60	55.49	38.84	21.36	18.14	91.77	17.94	84.06	21.06
4.00	4.00	1.643	0.474	0.233	0.343	0.60	0.60	—	—
1.80	1.80	—	—	—	—	—	—	1.00	1.00
34.40	34.40	51.813	51.813	—	—	—	—	—	—
—	—	—	—	13.383	13.383	12.00	12.00	—	—
—	—	—	—	—	—	—	—	12.00	12.00
9.75	9.75	6.525	6.525	2.250	0.345	3.75	3.75	3.325	3.325
—	—	—	—	—	—	—	—	1.150	1.150
49.95	49.95	59.981	58.812	15.866	14.071	16.35	16.35	17.475	17.475

ANNEXURE III
Statement showing Schemewise breakup of outlay under different Projects/Schemes

(Rs. in lakhs)

Sr. No.	Name of the Scheme	Works	Machinery equipment	Supence	Gross work	Revenue and Receipts	Others	Net work	Estt.	Total
Major & Medium Irrigation Schemes										
1	Extension & Improvement of Shah Nehar Canal	1035.50	9.35	300.00	1344.85	300.00	—	1044.85	155.15	1200.00
2	Lining of Channels Phase-I	314.30	—	142.15	456.45	—	—	456.45	143.55	600.00
3	Lining of Channels Phase-II	205.32	8.00	200.00	413.32	200.00	—	213.32	386.68	600.00
4	Satluj Yamuna Link Canal									
	(i) Main Canal	500.00	—	—	500.00	—	—	500.00	—	500.00
	(ii) Providing Irrigation facilities to Punjab Areas	880.00	—	—	880.00	—	—	880.00	150.00	1030.00
5	Extension of non-perennial Irrigation to areas in UBDC tract	35.18	—	—	35.18	—	—	35.18	4.82	40.00
6	Remodelling of Channels—Utilisation of Surplus Ravi Beas Waters	60.00	—	—	60.00	—	—	60.00	—	60.00
7	Raising Lining of Bhakra Main Line Canal for providing free Board	10.00	—	—	10.00	—	—	10.00	—	10.00
Medium Irrigation (Commercial)										
8	Irrigation to Himachal area below Talwara	10.00	—	—	10.00	—	—	10.00	—	10.00
9	Dholbaha Dam	179.58	—	—	179.58	—	—	179.58	20.42	200.00
10	Providing gates & Gearing modernise the existing canals	86.00	—	—	86.00	—	—	86.00	—	86.00
11	Communication system on canal	25.00	—	—	25.00	—	—	25.00	—	25.00
12	Training abroad to Senior officers of Irrigation Department	50.00	—	—	50.00	—	—	50.00	—	50.00
13	Setting up of Punjab Irrigation Management Training Instt.	25.00	—	—	25.00	—	—	25.00	—	25.00
14	Research Schemes	50.00	—	—	50.00	—	—	50.00	—	50.00
15	Investigation of Schemes	19.35	0.21	—	19.56	—	—	19.56	65.44	85.00
16	Lift Irrigation schemes in Anandpur Sahib & Ropar Blocks	30.00	—	—	30.00	—	—	30.00	—	30.00
17	Low Dams in Kandi Area Phase-II	517.61	—	—	517.61	—	—	517.61	132.39	650.00
18	Tebh'cal Assistant Research and Trg.	3.50	—	—	3.50	—	—	3.50	46.50	50.00
19	Integrated Utilisistion of water Resouses	—	49.85	—	49.85	—	—	49.85	64.15	114.00
20	Ground Water Cell—Strengthening of Ground Water and Surface Water Organisation	—	30.00	—	30.00	—	—	30.00	—	30.00
21	Tubewells & Other Schemes	678.00	—	—	678.00	—	—	678.00	192.00	870.00
22	Lining of Water Courses Phase-II	325.00	—	—	325.00	—	—	325.00	260.00	585.00
Anti-Water Logging Drainage & Flood Control Commercial										
23	Flood Control and Drainage	782.07	10.50	1289.50	2082.07	1289.50	—	792.57	157.43	950.00
24	Anti-Water Logging Surface Drainage & Sub-surface Drainage schemes for lowering water table of South West Districts.	590.09	—	—	590.09	—	—	590.09	65.91	656.00

CHAPTER VII

Power

The State Government has accorded a high priority to the Power sector in the allocation of funds. The outlays for power sector as percentage to plan outlays, since the fourth Five Year Plan are given in the following table :—

TABLE 7.1
Outlays for Power Sector as Percentage of total plan outlay

(Rs. in crores)				
Serial No.	Period/Year	States total plan outlay	Power portion	Percentage of col. 4 to col. 3
1	2	3	4	5
1	Fourth Plan (1969—74)	293.56	119.08	40.56
2	Fifth Plan (1974—79)	1027.00	403.07	39.25
3	1979-80	260.00	94.71	36.43
4	Sixth Plan (1980—85)	1957.00	732.94	37.45
5	Seventh Plan (1985—90)	3285.00	1991.05	60.61
			Tentative	
6	1990-91	905.00	350.00	38.67

7.2 The yearwise position with regard to installed capacity added on the basis of the latest commissioning schedule of the various on-going projects in the State is given in table 7.2.

TABLE 7.2
Installed capacity (in MW)

Serial No.	Name of Power House/project	Installed capacity			
		1979-80 Before 6th Plan	1984-85 by the end of 6th Plan	1989-90 by the end of 7th Plan	1990-91 (Target)
1	2	3	4	5	6
1	Shanan Renovation	48	60	60	60
2	Shanan Extension	—	50	50	50
3	U.B.D.C. Stage-I	45	45	45	45
4	Share in Bhakra Complex	613	689	689	689
5	Beas Unit-I	317	317	317	317
6	Beas Unit-I (Ext.)	—	159	159	159
7	Beas Unit-II	60	60	60	60
8	Beas Unit-II (Ext.)	—	30	30	30
9	Anandpur Sahib Hydel Project	—	134	134	134
10	Mukerian Hydel Project Phase-I	—	45	45	45
11	Mukerian Hydel Project Phase-II	—	—	162	162
12	UBDC-II	—	—	15	46
13	GNDTP Unit-I and II	220	220	220	220
14	GNDTP Ext. Unit-III & IV	220	220	220	220
15	Ropar Thermal Project Stage-I	—	420	420	420
16	Ropar Thermal Project Stage-II	—	—	420	420
17	Micro Hydel Scheme	—	—	4.10	4.10
18	Diesel Sets	14	10	—	—
19	Rice Straw Thermal Plant at Jalkheri	—	—	—	10
	Total	1537.00	2459.00	3050.10	3091.10

7.3 The main thrust of the Power programme is to ensure adequacy and quality of power supply to perspective as well as existing consumers. The broad strategy to accomplish this objective would be to lay emphasis on the completion of on-going power projects within the shortest possible time and bring about qualitative improvement in the transmission system. The various projects/programmes to be executed during 1990-91 are discussed below:—

Ranjit Sagar Dam Project (600 MW)

7.4 This is a multipurpose Project which envisages construction of a dam on river Ravi, 24 Kms. up stream 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. 1336.51 crores. The project has an installed capacity of 600 MW, comprising of 4 units of 150MW capacity each. The availability to Punjab would be 452 MW and the balance 148 MW will be made available to H.P. & J&K. The total expenditure incurred in this project upto March, 1989 is Rs. 464.77 crores. An outlay of Rs 105.00 crores stands provided for 1989-90. An outlay of Rs. 145.00 crores (135.00 crores for Civil works + Rs. 10.00

crores for Elect. works) has been provided for 1990-91.

Mukerian Hydel Project

7.5 Though the project has been completed but there are still some left out works and other contractual liabilities pending clearance. An allocation of Rs. 10.00 crores has been provided for this purpose during 1990-91.

Anandpur Sahib Hydel Project

7.6 Although the project stands commissioned yet some left out works are to be carried out and some payments are to be made. An outlay of Rs. 2.15 crores has been provided for this purpose in the Annual Plan 1990-91.

Micro Hydel Schemes

7.7 The State has submitted 18 Micro hydel schemes with total installed capacity of 78.87 MW, at an estimated cost of Rs. 139.61 crores to Central Electricity Authority, Government of India for approval. Five schemes namely Nidampur, Daudhar, Rohti, Thuhi and Dhariwal have been cleared so far. Schemewise details of cost estimates and capacity is given in the following table:—

Name of Scheme	(Rs. in lakhs)		
	Approved cost estimates	Latest cost estimates	Capacity (MW)
1 Nidampur	194.48	265.00	1.00 (2×500KW)
2 Daudhar	275.38	417.00	1.50 (3×500KW)
3 Rohti	179.62	344.00	0.80 (2×400KW)
4 Thuhi	186.14	348.00	0.80 (2×400KW)
5 Dhariwal	483.04	786.00	3.00 (4×750KW)
Total	1318.66	2160.00	7.10

7.8 Nidampur and Daudhar Micro Hydel Schemes have already been commissioned. The work on Rohti and Thuhi is in progress. One unit of Rohti and two units of Thuhi have also been commissioned. The work on Dhariwal Micro Hydel scheme is yet to be taken up. An expenditure of Rs. 11.76 crores has been incurred upto March, 1989 and an outlay of Rs. 50.00 lakhs stands provided for 1989-90. An outlay of Rs. 1.00 crores has been provided for 1990-91.

UBDC -II (45MW)

7.9 The project envisages installation of three dependent Power Houses of 15 MW capacity each adjacent to the existing Power Houses, operating under UBDC Stage-I. An expenditure of Rs. 33.73 crores has been incurred upto March, 1989 and an allocation of Rs. 18.29 crores has been made for the

year 1989-90. An outlay of Rs. 12.00 crores is being provided for 1990-91. The Power House-I has been commissioned in July, 1989 and the commissioning schedule of PH-II & III is September, 1990 and October, 1990 respectively.

Shahpur Kandi Hydro Electric Project (2×47 MW)

7.10 This project would utilise the tail race water of Ranjit Sagar Dam project with the construction of an embankment dam and a Power house with units of 47 MW each. The latest estimated cost of the project is Rs. 420.82 crores. However, it has not been decided to enhance the installed capacity of the project to 180 MW. The revised project report with higher installed Capacity is under preparation. An expenditure of Rs. 7.69 crores has been incurred upto 1988-89. Rs. 3.00 crores (revised) stand provided for 1989-90. A similar allocation has been provided for 1990-91.

Sutlej Yamuna Link Canal Hydro Electric Project (2×18+2×7=50MW).

7.11. The project envisages construction of two Power Houses one near Ropar (2×18 MW) and second near Rajpura (2×7 MW). The work of excavation of both the power houses is almost complete. The work on by-pass channel is in progress. An expenditure of Rs. 9.53 crores has been incurred upto 1988-89. An outlay of Rs. 12.88 crores (revised) stands provided for 1989-90. An allocation of Rs. 4.00 crores has been provided for 1990-91.

Ropar Thermal Project Stage-II

7.12. The project stands completed. However, due to the revised cost estimates and to clear the pending liabilities an allocation of Rs. 5.00 crores has been made for the year 1990-91.

Ropar Thermal Project Stage-III (420 MW)

7.13. This project consisting of two units of 210 MW installed capacity each has been taken up to meet the additional demand for Power during the Eighth Plan. The project has been cleared by CEA and the Ministry of Forest and Environment. Coal linkage for this project has also been confirmed. The order for the main plant was placed on M/S BHEL in March, 1988. The Civil works are in progress. An expenditure of Rs. 34.24 crores has been incurred upto 1988-89 and an amount of Rs. 40.00 crores stands provided for 1989-90. An outlay of Rs. 80.00 crores has been provided for 1990-91.

Renovation & Modernisation of GNDTP, Bhatinda.

7.14. The GNDTP Bhatinda consisting of four units of 110 MW each was commissioned during the period July, 1974 to January, 1979. Certain design deficiencies/defects were observed in the functioning of the plant and to rectify the same, a project report for renovation & modernisation of this project was prepared with an approved cost of Rs. 41.73 crores out of which an amount of Rs. 23.15 crores was approved as Central Loan Assistance. The latest revised cost of the project is Rs. 46.15 crores. Central Assistance has been stopped with effect from 31st March, 1988 and upto that date, a loan of Rs. 21.67 crores has been obtained against the Central Assistance works.

7.15. All the approved R&M activities of GNDTP are to be completed during the year 1989-90. An expenditure of Rs. 19.14 crores has been incurred upto 1989-90 on state Plan side. Rs. 1.37 crores have been provided during 1989-90 and Rs. 1.80 crores have been provided for 1990-91 for completion of balance works and clearing the pending liabilities.

10 MW Rice Straw Thermal Plant at Jalkheri

7.16. PSEB has taken up this project to generate electricity by firing rice straw, which at present goes waste and is burnt in the fields. This plant will be the first of its kind in the country and

is being constructed near Patiala at village Jalkheri. Department of Non-Conventional Energy sources (DNES) has agreed to share the cost of this project and Rs. 12.5 crores would be borne by them. An expenditure of Rs. 12.09 crores has been incurred upto 31st March, 1989 including 11.00 crores from DNES. The project is being constructed/commissioned by M/S BHEL on turn key basis. The project is expected to be completed during the year 1990-91. Rs. 7.00 crores have been provided during 1989-90 and an allocation of Rs. 5.00 crores has been made for 1990-91.

7.17. Details regarding Commissioning schedule, latest cost estimates of the Projects and expenditure incurred and approved outlay for 1990-91 in respect of on going generation Projects are at annexure to the chapter.

Transmission and Distribution

7.18. For augmentation/strengthening of transmission system in the State, it is proposed to adopt following strategy :-

- (i) Expansion of T&D system to cater for evacuation/dispersal of Power from new generating stations to the load centres.
- (ii) System Improvement through revamping and strengthening of the existing T&D system so as to remove inadequacies in the system and to cater to the normal growth of load demand.

7.19. To carry out the above programme it is necessary that T&D work should be adequately funded. During Seventh Five Year, an outlay of Rs. 438.71 crores has been approved for T&D works against which an expenditure of Rs. 460.43 crores is likely to be incurred. An outlay of Rs. 65.05 crores has been provided for 1990-91 for the following works :-

- (i) To improve the voltage conditions and quality of supply to the consumers, more S/Stns. of higher rating are being set up and 33KV system is being gradually upgraded to 66KV and 132KV.
- (ii) To release 1,50,000 general and 5000 Industrial connections and construction of associated 11KV and LT lines and distribution sub-stations.
- (iii) Revamping/augmentation of existing T&D system including S/Stns. for its proper strengthening.
- (iv) Erection of new 11KV feeders and LT lines which are required for distribution of Power to the ultimate consumer matching with the transmission works.
- (v) The inadequacies in the distribution system have resulted in damage to Power transformers besides damages to distri-

bution transformers, energy meters and other allied equipment. Renewal and replacement of the equipment including provision of special T&P and vehicles would be funded.

Rural Electrification

7.20. The Rural Electrification Programme mainly involves energisation of agricultural pumpsets with the assistance from Rural Electrification Corporation or Commercial Banks. During 1989-90 the target of 20000 tubewells has been fixed with an approved outlay of Rs. 15.00 crores. For 1990-91, it is again proposed to energise 20000 pumpsets for which an allocation of Rs. 15.00 crores has been provided.

Survey/Investigation including Power Development

7.21 The Board has prepared a programme for carrying out survey and investigation of a number of Power projects. During 1989-90 an amount of Rs. 100.00 lacs stands approved for these works. For 1990-91 a similar amount has been provided.

Non-Conventional sources of energy (NCSE)

7.22 It is felt that energy sources which are locally available may be exploited to meet the energy demands of people living in the countryside and far flung areas. It is considered necessary that energy sources such as Sun, Wind, Biomass and Bio-gas, agricultural and industrial waste are harnessed for generating energy, to meet the energy demands of people. This would not only ease the energy position but also solve environmental problems.

7.23. An expenditure of Rs. 196.08 is likely to be incurred during Seventh Plan. An outlay of Rs. 71.00 lakhs has been provided for the year 1990-91. The schemes covered under this programme are discussed as under :

Installation of Bio-gas Plants (Family size)

7.24 The Government of India sanctioned this project for six districts (5 staff units), namely Ferozepur, Gurdaspur, Jalandhar, Hoshiarpur (one unit) Ludhiana and Patiala. The staff for six districts alongwith subsidy for the State as a whole is to be borne by Government of India whereas the staff for remaining six districts is to be borne by the State Government. It is proposed to instal, 2000 Bio-gas plants during 1990-91 and a sum of Rs. 10.00 lakhs has been provided as State share during this year. The break-up of funds is given as under:

Items	(Rs. in lakhs)	
	State Government	Government of India
Salaries	8.00	90.00
Others	2.00	
Total	10.00	90.00

7.25 The Central subsidy is provided at average rate of Rs. 2600.00 per Bio-gas plant of different sizes. Yearwise target and achievement in respect of installation of bio-gas plants is as under.—

	At the end of Sixth Plan	At the end of Seventh Plan (Likely)	1990-91 target
Target	5250	9000	2000
Achievement	4178	9590	2000

Community/Institutional Bio-gas plants

7.26 Community/Institutional Bio-gas plants are set up in the State under the National Bio-gas Development programme with financial aid from DNES, Government of India. DNES provides grant-in-aid to the extent of 90% of cost for the community Bio-gas plants and 70% cost for Institutional Bio-gas plants. The balance is contributed by the State. PAIC is the nodal agency for implementing this programme. 51 such plants are already in operation in the State supplying clear cooking fuel to more than 2500 families. Another 38 plants are envisaged to be commissioned during 1989-90. An amount of Rs. 30.00 lakhs has been provided for 1990-91 for commissioning Bio-gas plants.

Solar Water Heating System

7.27 Under this programme more than 100 Solar Water Heating Systems for heating water for various purposes have been set up in schools, Universities, Hospitals Buildings and Guest Houses in the State. The Department of Non-Conventional Energy Sources provides installation of solar heating systems to different categories of beneficiaries. The State Government has also decided to supplement the efforts made by DNES. An expenditure of Rs. 19.42 lakhs is likely to be incurred during Seventh Plan. An outlay of Rs. 16.00 lakhs has been provided for the year 1990-91.

Incentives for making Improvement in the efficiency of Pump-sets

7.28. It has been observed that the efficiency of pumpsets can be substantially improved by making certain modifications/rectification in the existing tubewell pump sets. It has been estimated that 3.30 lac Kilo ltrs of diesel can be saved by effecting the rectification. PAIC has taken up the rectification programme of such pumpsets, 600 such pump sets shall be rectified by the end of 7th plan. It is proposed to provide 50% subsidy on rectification cost and the balance shall be borne by the beneficiary. An allocation of Rs. 5.00 lakhs has been provided for the year 1990-91 for this purpose.

Integrated Rural energy programme

7.29. The programme envisages decentralised energy production and distribution for meeting the energy needs of the dispersed rural population. It involves setting up State and District level cells which will prepare and implement Integrated Energy projects for the selected blocks. In addition, optimisation of the available energy has been intended through distribution of smokeless chullhas, improved kerosene stoves, electrification of pumpsets, biomass gasifiers etc. A comprehensive survey of the selected four blocks of the State namely Kharar, Majri, Sultanpur

Lodhi and Shahkot has been conducted. An action plan has been prepared for the Blocks of Kharar and Sultanpur Lodhi. One more Block namely Bassi Pathana, District Patiala has been selected during the year 1988-89. It is proposed to extend this programme to other blocks in the State. At least two more blocks will be added each year to the programme.

7.30. An expenditure of Rs. 92.00 lakhs has been incurred during Seventh Plan upto 1988-89. Rs. 30.00 lakhs stand provided for 1989-90. An outlay of Rs. 30.00 lacs has again been provided for 1990-91.

Name of the Project	Capacity (MW)	Latest commissioning schedule
1	2	3
1. Ranjit Sagar Dam	$4 \times 150 = 600$	1994-95 (300MW) 1995-96 (300MW)
2. Micro Hydel Schemes	Nidampur	Commissioned in 1986
	Daudhar	Commissioned in September, 1987
	Rohti	1st unit commissioned in March, 1989 IInd unit to be commissioned in 1990-91
	Thuhi	Commissioned in 1989
	Dhariwal	1990-91
3. UBDC II	$3 \times 15 = 45$	1990-91
4. Shahpur Kandi Project	$(2 \times 47 = 94)$	1994-95 (47MW) 1995-96 (47MW)
5. SYL Power Houses	$2 \times 18 = 36$ $2 \times 7 = 14$	1991-92
6. Ropar Thermal Project Stage-III	$2 \times 210 = 420$	1993-94
7. Rice Straw Thermal Plant	10	1990-91

URE

(Rs. in crores)

Cost of Project							
Original	Latest estimates	Actual expd. incurred upto 6th Plan (i.e. 1984-85)	Seventh Plan (1985-90) (outlay)	Likely expdr. during 7th Plan	Total expdr. upto 1989-90 (6+8)	Balance requirement 1989-90 (5-9)	1990-91 outlay
4	5	6	7	8	9	10	11
242.32	1336.51	86.61	500.00	483.16	569.77	766.74	145.00
13.19	21.60	1.82	13.00	10.44	12.26	9.34	1.00
20.84	85.89	0.86	50.00	51.16	52.02	33.87	12.00
..	420.82	..	17.42	10.69	10.69	410.13	3.00
103.64	145.58	..	2.00	22.41	22.41	123.17	4.00
572.00	572.00	..	40.00	74.24	74.24	497.76	80.00
25.00	37.85	..	..	19.09*	19.09*	18.76	5.00

* It includes contribution from DNES.

CHAPTER VIII

INDUSTRY AND MINERALS

Punjab being a border State suffers from the locational disadvantages of long distance from the sources of raw-materials and markets. However, undeterred by these handicaps, the State has achieved some strides in the field of Industry such as Hosiery, Textiles, Bicycle, Sewing Machine and Sports goods. But by and large the State still lag behind many other States in the country.

8.2. The pace of Industrial Development in the State received a set back due to disturbed conditions and it is the endeavour of the State Government to substantially increase the growth rate in this sector.

8.3. In order to accelerate the pace of industrialisation in the State, a New Industrial Policy, known as 'New Industrial Policy, 1989' has been announced by the State which has become operative with effect from 1st April, 1989 and will remain effective till the end of 8th Five-Year Plan. The Industrial Policy has laid special stress on development of man-power, strengthening of infrastructural facilities and extension services, modernisation and technology upgradation with a time bound implementation while laying special stress for accelerating the growth of State economy and generation of employment opportunities. It provides for rate of industrial growth to go upto 20% by the end of 8th Five-Year Plan and the contribution of Industry to State GDP from existing level of 12½% to 20% during the same period.

Strategy :

8.4. The main elements of the strategy for the achievement of above targets are as under :--

- (i) Accelerating the rate of generation of employment opportunities particularly for landless farmers and unemployed youth in the rural areas;
- (ii) Manpower development to enable absorption in industry;

- (iii) Development of entrepreneurial talent for encouraging youth to enter into business;
- (iv) Strengthening and development of physical and financial infrastructural and improvement in communication net work for securing fuller capacity utilisation;
- (v) Dispersal of industrial growth for balanced regional development;
- (vi) Securing horizontal/vertical growth of industrial Sector with appropriate backward/forward linkages with particular thrust on high-tech and fast growing industries like Electronics and Petro-chemicals;
- (vii) Making small scale sector competitive and self-reliant by technological upgradation and quality improvement; and
- (viii) Attracting investment from outside the State as well as NRIs.

8.5. An outlay of Rs. 47.00 crores has been provided for the sub-head of development 'Industry and Minerals' for 1990-91 an increase of 93.7% over the approved outlay of Rs. 23.65 crores for 1989-90. Out of the total allocation of Rs. 47.00 crores, an amount of Rs. 17.69 crores has been transferred to districts as Block Devolution of funds.

A brief profile of the programmes/schemes under this sub-head is given in the succeeding paragraphs :--

Village and Small Industries

8.6. The specturum of the Industry in the State is mostly confined to the small and tiny industry. The number of small scale units which were 1,00,899 in 1984-85 increased to 1,35,305 in 1987-1988 and are likely to increase further to 1,61,900 by the end of 1989-90. The production in the Small scale sector during 1984-85 was of the order of 1327 crores. The

production from this sector by the end of 1989-90 is estimated to be of the order of 1600 crores. Besides agriculture, the small 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, television sets, chemicals, fertilisers and also high precision products such as machine tools, auto parts and other engineering items.

8.7. The actual achievement in the year 1985--89 likely achievements in 1989-90 and targets for 1990-91 are given in the table below :--

VILLAGE AND SMALL SCALE INDUSTRIES IN PUNJAB

Sr. No.	Item	1984-85 Actuals	Seventh Plan Targets	1985-86 Actual Ach.	1986-87 Actual Ach.	1987-88 Actual Ach.	1988-89 Actual Ach.	1989-90 Likely Ach.	1990-91 Target
1	2	3	4	5	6	7	8	9	10
(i)	No. of Regd. units	100,899	161,900	110,268	122,410	135,305	148,417	161,900	175,900
(ii)	Fixed investments (Cr. Rs.)	445	820	466	501	530	546	570	610
(iii)	Production (Cr. Rs.)	1,327	2,118	1,355	1,423	1,506	1,520	1,600	1,700
	(a) Modern Industry	1,133	1,809	1,154	1,214	1,288	1,299	1,367	1,450
	(b) Powerloom	56	83	58	61	64	65	69	76
	(c) Village Industry	138	226	143	148	154	156	164	174
(iv)	Export (Cr. Rs.)	84	190	100	105	132	144	160	180
(v)	Employment (Lakhs) (cumul).	4.24	8.80	4.65	5.03	5.46	5.86	6.36	6.90

Note : Investment production and exports are at constant prices with 1979-80 as base.

8.8. The State Plan Programmes/schemes under this sector are discussed in the succeeding paragraphs :

8.9. In 3.5 : Modernisation of Small Scale Industries--There is a total provision of Rs. 50.00 lacs for this scheme for 1990-91. Out of this, an amount of Rs. 1.65 lac has been retained at State level to meet the expenditure on staff and the remaining amount of Rs. 48.35 lacs has been transferred to districts.

8.10. IN 3.8 Setting up of New UNDP aided Projects.--An outlay of Rs. 10.00 lacs has been provided for this scheme for 1990-91.

8.11. IN 3.10 Productivity Awards.--In order to motivate the entrepreneurs to improve the Quality of their products and the productivity of their units a scheme for honouring the small scale units has

been introduced. It has been decided to honour the entrepreneurs group-wise. First cash awards amounting to Rs. 40,000 and consolation prize of Rs. 10,000 will be given separately for light Engineering including Cycles, Sewing Machines etc. Machine Tools, Textiles, Hosiery and Knitwear, Soap, detergent, Paints, Varnishes, Food-Processing, General Engineering and Plastic goods, Leather goods, Rubber and Sports goods House hold electric appliances and Electronics. A State level Committee headed by Chief Secretary has been constituted for selecting entrepreneurs for Awards. An amount of Rs. 5.00 lacs has been provided for this scheme for 1990-91.

IN 8.12. Pollution Control Scheme.-- This is a new programme being introduced in the 8th Five-Year Plan to control the pollution in the environment and to improve the 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 proposed to be subsidised. A provision of Rs. 65.25 lacs has been made for this programme for 1990-91.

Small Scale Industries :

8.13. IN 4.1 District Industries Centres (sharing basis).--In the State, 12 District Industries Centres are functioning i.e. one in each district. District Industries Centres scheme was started by the Central Govt. 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. 100.00 lacs has been provided for 1990-91 as against Rs. 90.00 lacs provided during 1989-90. Matching contribution will be provided by GOI.

8.14. IN 4.2 Implementation of Quality control order on Household Electrical Appliances. The Govt. of India introduced the Quality Control Order on Electrical Appliances. During 6th Five-Year Plan, 2 laboratories at Mohali and Jalandhar have been equipped for testing of electrical appliances and to monitor the said order. It is necessary to equip certain other labs in the State for effective implementation of the Quality Control Order. For equipment, staff materials, publicity, samples collection etc., a provision of Rs. 10.00 lacs has been made for 1990-91.

8.15. IN 4.4 Incentives for Quality certification of SSI products.--For motivating the entrepreneurs to get for ISI and Punjab Quality Mark Certification for making their products acceptable in or outside the country, a scheme has been proposed for subsidising the cost of Quality Certification of the products of the small scale units. Under this scheme, a provision of Rs. 4.00 lacs has been made for 1990-91.

8.16. IN 4.6 (i) Marketing Assistance Programme.--(i) Export Awards : With a view to encourage the exporters of industrial goods from Punjab, the State

Govt. has decided to honour the outstanding exporters by awarding them shields, trophies, medals and merit certificates. To implement this scheme during 1990-91 an outlay of Rs. 1.00 lac has been provided.

8.17. (ii) (a) Participation in Industrial Fairs and sending Delegation/sales study teams abroad.--The department of Industries through Export Houses (Private and Public) had been participating in the National and International Trade Fairs. It is the only way the small scale Manufacturers can exhibit their products in the international field and can explore the market. Under this scheme financial assistance is given to the recognised export houses as prescribed in the incentives code. It is also proposed that delegates from Punjab will be sent to other parts of the country and abroad to gain first hand knowledge about markets and new technology, designs etc. This scheme was earlier a separate scheme but has now been merged in the scheme "Participation in Industrial Fairs". An outlay of Rs. 10.00 has been provided for this programme for 1990-91. This scheme will be implemented by Department of Industries. However as and when PSIEC will submit any suitable proposal, the funds will be released out of this scheme.

8.18. IN 4.7 Publicity.--The objective of this scheme is to publicise the promotional schemes of the Department through release of advertisements regarding infrastructure and incentives in important Newspapers and Magazines etc. installation of Boards at strategic points within and outside the State, publicity through radio and other media. Publicity material in the form of brochures is also printed under this scheme and made available to the prospective entrepreneurs, it is also proposed to launch a continuous campaign through Newspapers to acquaint Non-Resident Indians settled abroad and other entrepreneurs to attract them for setting up new industries in Punjab. For this purpose a sum of Rs. 10.00 lacs has been provided for the year 1990-91.

Handloom Industries :

8.19. IN 5.1 (i) Rebate on sale of Handloom Cotton Cloth/Marketing Development Assistance Scheme (Sharing basis) :-- To clear the accumulated stock of

Handloom Goods, 20 percent rebate is allowed on the sale of Handloom Cloth during exhibitions/festivals in accordance with the policy of the Development Commissioner (Handloom) Government of India. Government of India has changed the rebate scheme to Marketing Development Assistance Scheme (MDAS) to provide assistance to Handloom Apex Co-operative Societies/Handloom Development Corporation and Primary Handloom Co-operative Societies for the purpose of Market development. The assistance is to be shared equally by the State and Central Government. As usual the scheme MDAS would be implemented through Puntex, whereas, for participation in the National Handloom Expos, the Puntex and PSIEC would be entitled to avail the rebate on the sale of Handloom Cloth. An outlay of Rs. 20.00 lakh is provided for 1990-91 for this scheme and an equal amount will be available from the office of DCH Government of India as matching contribution.

8.20. IN 5.3 Punjab State Hosiery and Knitwear Development Corporation.--The UNDP aided wollen 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 its running to the Corporation after the UNDP withdraw from the scene formally, at the end of the project i.e. December, 1986. The State Government also feels that dependence of the Corporation indefinitely on Government grants 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 objective 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 lakhs has been made available to the Corporation

during 1987-88 to enable it to recoup losses incurred by it due to expenditure on service activities in 1985-86 and 1986-87, so that in due course it may become self-reliant. The Corporation intends to re-equip wollen spinning, CE Spinning wrap and sire spinning etc. An outlay of Rs. 25 lacs has been provided for 1990-91 to enable the corporation to modernise the knitwear facilities and balancing the spinning plants.

Handicrafts

8.21. IN 6.1 Development of Handicrafts Industry.--The plan programme for the Development of handicrafts includes 50 percent subsidy for the supply of improved tools, 10 percent rebate on sale of Handicrafts Goods during All India Handicrafts week, State Award to the distinguished Master Crafts/Persons in Handicrafts, 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 Handicrafts Export. For implementation of all these schemes, a sum of Rs. 5.00 lakhs was provided during 1987-88. An amount of Rs. 25.00 lacs has been provided for the year 1990-91 as against an expenditure of Rs. 4.68 lacs likely to be incurred during 1989-90. The additional step up would be utilised for additional activities with regard to Training and Design Development Centre for Handicraft Artisans to be set up at Mohali.

Khadi and Village Industries :

8.22. IN 7.1 Punjab State Leather Development Corporation.--This Corporation was set up in February 1981 for the development of Leather Industries in the State. The paid up Capital of the Corporation as on 30th June, 1987 was Rs. 216.90 lakhs. The Corporation started its marketing activities in October, 1982 and has considerably strengthened 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.

8.23. The proposal of the Corporation to set up a leather complex on a piece of land measuring about 223 acres in Jalandhar District has also reached in advance stage. A comprehensive proposal for a loan of Rs. 320.00 lakhs was made to IDBI and they have agreed in principal to finance the project. The leather complex will provide a good scope for well planned and organised growth of industry on modern scientific lines. The Corporation also proposes to implement the projects such as Wet Blue Tanneries, Shoe Upper Project, Polyurethane sole project polythene shoe lasts project, rubber sole project, stiffner for toe and heel adhesive for footwear and other leather goods. An outlay of Rs. 30.00 lakhs at par with last year level was provided for the year 1989-90. For the year 1990-91, an amount of Rs. 60.00 lacs has been provided for the following two new schemes :--

8.24. IN 7.1 (i) Improvement in the Earnings of Footwear artisans in Punjab assisted by ILO.--This scheme envisages the setting up of Polythelene Shoe lasts Project for distribution among the footwears cottage artisans. It is envisaged to cover 2,500 footwear artisans belonging to scheduled castes and scheduled tribes per annum. The introduction of shoe lasts will help the rural artisans in production of footwear of better quality thereby enabling them to realise better price for their products and will thus help them to earn more money. The scheme also envisages to provide other benefits like marketing support, supply of standard materials, tools and equipment and also the training in use of the modern methods for the production of footwears at their respective places of work. It is envisaged that the setting up of the Project will enable the rural artisans to double their income within a span of one year. The financial layout of the Project is as under :--

(Rs. in lakhs)

-- <u>Total cost</u>	1375.00
-- As equity to PSLDC by State Government (equity in 2 years as soon as the project is cleared by ILO)	105.00

-- Loans From Banks	..	325.00
-- From Scheduled Castes Land Development and Finance Corp. BACKFINCO, KVIB etc.	..	250.00
-- From State Social Welfare Department under Special Central assistance	..	475.00
-- UNDP contribution	..	220.00

The scheme is to be implemented in a phased manner taking into account availability of funds with various departments. An amount of Rs. 50.00 lacs has been provided for 1990-91.

8.25. IN 7.1(ii) Setting up of Testing Laboratory for Leather and Leather goods.-- In order to provide physical and chemical based facilities on national standards for leather and leather wire units in the leather Complex at Jalandhar, a Testing Laboratory for Leather and Leather Goods is proposed to be set up during the 8th Five-Year Plan for which an outlay of Rs. 48.00 lacs is proposed. A sum of Rs. 10.00 lacs will be required during the year 1990-91.

8.26. IN 7.2 Strengthening of Punjab Khadi and Village Industries Board.--The Punjab Khadi and Village Industries Board established under the Punjab Khadi and Village Industries Act, 1955 is actively engaged in economic upliftment of the Village Industries of the Punjab. It provides financial assistance to Artisans, Co-operatives and Registered Institutions for Development and promotion of Khadi and Village Industries at a normal rate of interest of 4 per cent per annum on the pattern of assistance devised by the Khadi and Village Industries Commission. The Development funds for promotion of these village Industries are provided by Khadi and Village Industries Commission, Bombay and the State Government is expected to meet the expenditure on establishment and contingencies by way of providing grant-in-aid. A provision of Rs. 10.00 lacs has been made for the year 1990-91 for this purpose.

Sericulture :

8.27 IN 8.2 Development of Sericulture :-- Sericulture is being introduced in a big

way with a view to provide gainful self employment to marginal and small farmers in the State. Different Schemes for mulberry plantation silk grainage Chowki Centres, reeling units and training in different fields of sericulture Industry have been formulated. It has also been envisaged to give grant-in-aid to Co-operative Societies engaged in Sericulture field. For the purpose it is proposed to allocate Rs. 43.10 lacs for strengthening the Sericulture Organisation establishment of Reeling centre and for providing grant-in-aid to Cooperative Societies engaged in the development of Sericulture industry. For purposes other than this a provision of Rs. 41.90 lacs has already been transferred to districts.

Note.--Write up on Industrial Cooperatives is included in Chapter-IV.

Industries : Other than village and small Industries (large and Medium Industries).

8.28. 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 co-ordinated development

of Large and Medium and Small and Tiny industry in the State. However, unlike the position of the Government of India, where public sector plays a leading role, the State Government's 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 investments are contemplated, will mostly be of the pioneering type. The Punjab State Industrial Development Corporation 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 crore 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, 1988 there were 322 Large and Medium units in the State which are likely to increase to 355 in 1989-90. The likely achievement and main physical targets for this sector are as under :--

Large and Medium Industries in Punjab

Sl. No.	Item	1984-85 Achievement	Seventh Plan Targets	1985-86 Achievement	1986-87 Achievement	1987-88 Achievement	1988-89 Achievement	1989-90 Anti Ach.	1990-91 Targets
1	2	3	4	5	6	7	8	9	10
1.	Working Units (Nos.)	273	369	292	306	322	340	355	375
2.	Employment (in Lakhs)	131	254	132	142	151	156	162	170
3.	Cummulative Fixed Investment (Cr. Rs.)	849	1220	945	1021	1160	1173	1200	1230
4.	Production (Cr. Rs.)	1404	2261	1598	1913	2121	2207	2310	2400
5.	Exports (Cr. Rs.)	54	177	56	60	60	92	125	150

Note :--Investment and exports are at constant prices with 1979-80 as base.

The Plan Programmes for this sector are divided into two main heads the equity participation in various Corporations and the provision of infrastructure and incentives. Schemewise details are given in the paragraphs that follows.

8.29. IN 10.1 Punjab State Electronics Development and Production Corporation:-- This Corporation was set up in March, 1976

for the promotion of Electronics Industry in the State of Punjab and to create infrastructure facilities necessary for the growth of electronics. The paid up capital of the corporation as on 31-3-89 was Rs. 635 lacs against the authorised capital of Rs. 1,000.00 lacs. 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 Industrial Estate-ELTOP developed by the Corporation at S.A.S. Nagar, spread over 280 acres of land has emerged as a silicon valley of India. A number of Non-resident Indians are setting up sophisticated high technology electronics units in this complex most of which are exclusively for export purpose. The total cost of these projects is about Rs. 171.16 crores. The requirement of funds during the year 1990-91 is estimated to be Rs. 1615.38 lakhs. An outlay of Rs. 400.00 lakhs has, however been provided for 1990-91. The details of the projects are given in Annexure-I to the Chapter.

8.30. IN 10.1(ii) Setting up of Electronics Research and Development Centre at Mohali :--This is a new scheme. It is proposed to set up this centre at SAS Nagar with the help of Department of Electronics, Govt. of India with matching contribution for undertaking applied Research and Development work in high-tech area like-C-DOT. It will serve as a backbone of designs and development of manufacturing equipment and systems for undertaking in the small and medium scale sectors in Punjab. The total cost is estimated as Rs. 1850.00 lacs and an amount of Rs. 280.00 lacs has been provided for 1990-91 and matching share will be provided by G.O.I.

8.31. IN 10.2 Punjab Financial Corporation:--The Punjab Financial Corporation, 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 of new projects and expansion, diversion, diversification, renovation, modernisation

and rehabilitation of existing units. It provides loan from Rs. 2,000 to Rs. 60.00 lakhs to tiny, small and medium scale units. The Corporation has been laying emphasis to provide assistance to the economically weaker sections of the society. The Corporation has concessional schemes of providing assistance to technically qualified entrepreneurs, scheduled caste and scheduled tribes entrepreneurs, ex-servicemen, Physically handicapped persons, medical practitioners and for setting up of village and cottage Industries.

8.32. The Corporation mobilises finance from (i) Share capital contribution from the State Government and the Industrial Development Bank of India. (ii) Issue of bonds for long term borrowings, re-finance from I.D.B.I. and (iii) Repayments from the loans concerns and settlement of credit guarantee claims. The share capital contribution from the State Government and the I.D.B.I. is on a matching basis. The I.D.B.I.'s contribution towards share capital of the Corporation and refinance against the loans depend upon the contribution by the 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 per cent (5 per cent each by the State Govt. and IDBI)
(ii) Plough back	..	10 per cent
(iii) Bonds	..	25 per cent
(iv) Refinance	..	55 per cent

8.33. The targets vis-a-vis achievements for the year 1985--90 are indicated below :--

Targets/Achievement by PFC

(Rs. in lakhs)

Item		1985-86	1986-87	1987-88	1988-89	1989-90
		Target (Ach.)	Target (Ach.)	Target (Ach.)	Target (Ach.)	Target (Ach.)
Sanctions	..	2500.00 (3139.09)	3500.00 (4602.38)	5000.00 (6362.36)	6400.00 (6576.58)	6900.00 (6600.00)
Disbursement	..	1500.00 (1171.20)	2900.00 (2983.35)	3600.00 (3755.83)	4300.00 (4555.56)	5200.00 (5000.00)

8.34. It is evident from the above that in 1986-87 and 1987-88, the Corporation surpassed its previous achievements. Encouraged by this performance, the Corporation has fixed the following targets for 1990-91 :--

	(Rs. in Lakhs)
Sanctions	6800.00
Disbursements-	
(i) Term Loans	5540.00
(ii) Central Subsidy/State Subsidy	100.00
(iii) Special Capital Assistance	60.00
(iv) Seed Money	20.00
(v) Soft Loan to Ex-servicemen	80.00
	<hr/>
	5800.00
	<hr/>

8.35. In order to achieve the above targets, the P.F.C. has been provided an allocation of Rs. 500.00 Lakhs for 1990-91. A matching contribution would be forthcoming from I.D.B.I.

8.36. IN 10.3 Punjab State Industrial Development Corporation:--The Corporation was established in the year 1966 to act as a catalyst for industrialisation of Punjab by 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 registrations/industrial licences from the Government of India. The projects are taken up for implementation in the assisted/joint or public sector. As per its present policy, it prefers to set up projects in the assisted sector, where the investment of the corporation is limited to 10--15 percent of the equity capital. However, whenever necessary, it implements projects in the joint sector with investment upto 26 percent of the equity capital. In cases where it has not been possible for the corporation to set up projects in the assisted/joint sector and wherever Government's policy so

stipulates, it implements the projects in the public sector.

8.37. At present, the authorised share capital of the corporation is Rs. 80.00 crores and paid-up capital is Rs. 66.51 crores as on 31-3-1989. The Corporation is functioning as State-level financial institution and extends term loans upto Rs. 90.00 lacs under IDBI refinance scheme. The Corporation also offer facility of direct subscription upto 15% of the equity capital for projects in private sector. Besides the Corporation administers the scheme of IDBI for seed capital wherein it can get upto Rs. 15.00 lakhs to fill up the gap. During the 7th Five Year Plan, the Corporation has sanctioned loans amounting to Rs. 80.00 Lakhs, out of which loans amounting to Rs. 54.00 lakhs are likely to be disbursed. Whereas, under the Seed Capital Scheme of IDBI, the Corporation is likely to disburse assistance of Rs. 100.00 Lakhs during the 7th Five Year Plan.

8.38. Letter of Intents/Registration received :

The Corporation has obtained 50 letters of intent/registration during the 7th Five Year Plan. Out of this, 21 projects promoted by the Corporation have since been commissioned and 10 projects have taken effective steps in the form of construction of buildings. The corporation has invested Rs. 4000.00 Lakhs in different companies during the 7th Five Year Plan and proposes to invest Rs. 6000 Lakhs during the 8th Five Year Plan. The letters of intent received so far include some of the very large sized and prestigious projects such as cotton-spinning, oil extraction, automobile, tractors, light commercial vehicles, diesel engines, carburettors, T.V. sets, T.V. picture tubes and Electronic goods etc.

8.39. During the Annual Plan 1990-91, the Corporation proposes to implement projects as per proposals given in Annexure-II to the chapter. The total requirement of funds under various categories comes out to Rs. 3609.50 Lakhs. The Corporation expects to generate Rs. 400.00 Lakhs from its internal sources. So net requirement works out to Rs. 3209.50 Lakhs. An outlay of Rs. 871.00 Lakhs is, however, provided for the year 1990-91.

8.40. IN 10.4 Goindwal Industrial and Investment Corporation :--

Goindwal Industrial and Investment Corporation of Punjab is engaged in the development of Industrial-cum-Urban Complex at Goindwal Sahib, District Amritsar. Approved Master Plan envisages the development of complex, spread over 6000 acres for a population of 3 Lakhs in 50-60 years. In the first phase, 475.75 acres of land mainly for the development of industrial plots was acquired in June, 1981 and has been developed and basic infrastructure facilities like roads, water supply, sewerage drainage system etc. have been provided except construction of Disposal and Sewerage Treatment Plant, Industrial sheds, laying of local distribution lines for power and for some ongoing residual works. Provision has been made during the year 1989-90 for these essential balance works.

8.41. Provision has also been made for the maintenance and operation of essential services like roads, water supply, sewerage schemes and drainage scheme and street lighting etc. There was either negligible or no provision for the residential sector public institutions, shopping centres, bus stand etc. in the 1st phase as it was mainly an industrial sector. Now that a good number of industrial units have already been established or are under construction, the above mentioned facilities have to be essentially provided to the entrepreneurs and supporting population. Therefore a sum of Rs. 100.00 lacs has been provided for acquisition of 425 acres of land, its development into Industrial and 2,500 residential Plots and other Public utilities for 1990-91.

Infrastructure and Incentives.

8.42. IN 11.1(i) Focal Point (Acquisition of land) :--

The main objective of this scheme is to provide the necessary infrastructure to the Industry at one point by acquiring land developing/allotting industrial plots to the entrepreneurs. Sixteen industrial focal points have so far been developed in the State. It has now been decided in principle that in future the industrial focal growth points shall be developed by Punjab Small Industries and Export Corporation

on self financing basis. The Department will acquire land only for Centre and State Govt. projects. Funds have, therefore, been provided only to meet the liability arising out of the enhancement in compensation of land acquired for existing focal points. An outlay of Rs. 70.00 Lakhs is provided for this purpose for 1990-91.

8.43. IN 11.1(vii) Reimbursement of Octroi/Terminal Tax and Electricity Charges etc.

As per 1987 Policy, this incentive is available to industrial units for a period of 5 to 10 years in graded manner from the date of registration going into production. The exemption is allowed on buliding material plant and machinery and raw-materials consumed by them. An outlay of Rs. 10.00 Lakhs has been provided for the year 1990-91 for this continued scheme.

8.44. IN 11.2 Establishment of two Growth Centres :--

This is a Centrally Sponsored Scheme and has been introduced at the instance of GOI. The Government of India has decided to set up 61 growth centres in different parts of the country. This is the first phase of its programme to set up 100 such centres over a period of 5 years. Two growth centres have been allotted to Punjab State in the first phase.

8.45. These growth centres, which would act as magnets for attracting industries to backward areas would be endowed with infrastructural facilities at par with best available in the country, particularly in respect of power, water, telecommunication and banking. Each growth centre would be provided Rs. 25 - 30 crores to create infranstructural facilities of a high order. The broad financing pattern will be as under :--

	(Rs. in crores)
-- Central Government (Equity)	10
-- State Government (Equity)	5
-- All India Financial Institutions (including Rs. 2 Crores as equity)	4
-- National Banks	1
	20
-- Market borrowings	10
Total :	Rs. 30 Crores

8.46. The growth centres shall not be within 50 KMs. from the boundary of the 7 cities with a population above 25 lakhs, 30 KMs. from the boundary of the 2 cities with a population of above 15 lakhs but below 25 lakhs and 15 KMs. from the boundary of cities with a population of 7.5 lakhs but below 15 lakhs. The growth centre shall be located close to District/sub-divisional/block headquarters or developing urban centres.

8.47. Each centre shall acquire about 400 to 800 hect. 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, upgradation of existing schools, colleges, hospital, dispensaries etc. Provision of funds for augmentation of power supply will have to be found under the State Plan separately. Adequate banking facilities will be provided in the area but the expenditure will be borne by the banks concerned. An outlay of Rs. 100.00 lakhs was provided for this scheme for 1989-90 and an amount of Rs. 300.00 lakhs has been provided for 1990-91. Funds amounting to Rs. 600.00 Lakhs will be provided by G.O.I. as their share.

ANNEXURE - I

Projects Undertaken/to be Undertken by Punjab Sta

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Later	----- Total Cost
1	2	3	4	5	6	7	
PART-I INDUSTRIAL PROJECTS							
1. CONSUMER ELECTRONICS							
(a) Manufacturing at Village level through Co-operatives and Samities. 100 Units to be set up during 8th Plan of which 10 Units are being set up in the year 1989-90 and 20 units in 1990-91							
(i) Electronics Calculators	2 Million Nos.	--LI obtained to be manufactured in tiny units in villages. Each Tiny unit shall have installed capacity of 40,000 Nos.	--Foreign collaboration finalised. --FC cleared. --CG expected to be cleared soon.				
(ii) Electronics Analog Clocks	1 Million Nos.	--Registration from to be manufactured in above Tiny units in villages. Each tiny unit shall have installed capacity of 40,000 Nos.	--Registration from SIA recd.				
(iii) Tape Recorders/Two-in-Ones/B/W TV Sets	2 Million Nos.	--LI recd. to be manufactured in tiny unit in villages. Each tiny unit shall have installed capacity of 40,000 Nos.	--Foreign collaborator identified. --Applied for registration with SIA. --Registration expected any time.				
(iv) Entertainment and Educational Electronics			--Foreign collaborator identified.				

XURE I
PLAN--1990-91

Electronics Development and Production Corporation Limited

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned		1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91	
Equity	Debt	Name of Pvt. Sector partici- pation	Extent of partici- pation by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted		
8	9	10	11	12	13	14	15	16	17

Village
Co-opera-
tives and
Samities

Ditto

Ditto

Ditto

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest ----- Total Cost
1	2	3	4	5	6	7
	(v) Toys		--Applied for registration. --Negotiations are going on with foreign collaborator.			
	(vi) Blank video cassettes V-Os.		--Negotiations are going on with foreign collaborator.			
	(vii) Mother Unit for 100 Tiny Village Units	Rs. 50.00 Crores.	--Land allotted. --One Mother unit for 10 village units is being established --KVIC has principally agreed to finance the project. --During the year 1989- 90, one mother Unit is being set up and during 1990-91 two more such units will be set up which will cater to 20 village units.	April, 1989	July, 1990	720
	(b) Microwave Ovens, Washing Machines and dish washers	30,000 100,000 50,000 Nos.	--LI obtained --FC approval obtained. --Due to Gold Star's lack of interest, negotiations with new Collaborator are being held. --Financial Co-promotor located.	January, 1988	January, 1991	500
						1220
2.	COMPONENTS					
	(a) TV Tuners	5,00,000 Nos.	--Agreement for financial colla- boration signed. --PAB approval obtained.	February, 1988	December, 1990	850

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned			1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91
Equity	Debt	Name of Pvt. Sector partici- pation	Extent of partici- pation by PSEDPC	Equity to be provi- ded by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted	
8	9	10	11	12	13	14	15	16	17
		Village Co-opt. & Samitis							
		Ditto							
240	480	100% owned	100%	240.00	7.00	113.00	--	1000.00	240.00
167	333	Fedders Lloyd	10%	16.70	0.10	2.60	--	600.00	14.00
407	813			256.70	7.10	115.60		1600.00	254.00
500	550	M/s Virgo Marketing Pvt. Ltd.	10%	30.00	1.00	2.00	--	500.00	27.00

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest ----- Total Cost
1	2	3	4	5	6	7
			--Technical colla- boration signed with Hitachi, Japan --Company by the name of Asahi Components Ltd. formed to implement the project --Registration obtained from SIA. --Application for foreign collaboration approval submitted. --Project report pre- pared and being submitted to Financial Institutions.			
	(b) Video Magnetic Tapes	3000 MPM.	--SIA registration received --Foreign collaborator identified and dis- cussions being held for finalisation of agreement --Financial Co-promotor identified.		July, 1991	1800.00
	(c) Silver Zinc Batteries Ni-Cd. Aviation Sealed Cylindrical batteries	Rs. 750 Lacs.	--Order from Defence received --Transfer of tech- nology negotiations with USSR/SAFI, France.		December, 1990	500.00
						<u>3150.00</u>
3.	COMMUNICATION					
	(a) Mini Link System (Punjab Communica- tions Limited)	Rs. 30,00 Crores	--Application for LI submitted --Financial and Technical Colla- boration with Ericson of Sweden finalised.	April, 1990	December, 1990	1242.90

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned			1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91
Equity	Debt	Name of Pvt. Sector partici- pation	Extent of partici- pation by PSEDPC	Equity to be provi- ded by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted	
8	9	10	11	12	13	14	15	16	17
600	1200	M/s Monica Electronics Ltd, (ONIDA)	10%	60.00	0.10	0.90	--	--	59.00
180	320	--	100%	90.00 (90.00 Lacs to be genera- ted through internal accruals.)	--	--	--	--	90.00
1380	2070			180.00	1.10	2.90	--	500.00	176.00
414.3	828.61	LMErison of Sweden	26%	107.7	--	2.7	--	300.0	105.00

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest ----- Total Cost
1	2	3	4	5	6	7
	(b) 512-Port exchanges and 16000 lines ESS	Rs. 60.00 Crores	--Technology is being provided by C-DOT. --Facilities already existing for EPABX and RAX are to be augmented for the project. --Industrial Licence already available for RAX and EPABX is being amended from SIA to include this project. --Additions in existing building already done	April, 1990 April, 1991	January, 1991 June, 1992	1000.00 1500.00
	(c) Cordless Telephone Sets	Rs. 3.00 Crores.	--LI obtained --Agreement with Collaborator signed --PAB approval obtained. --FC and CG approval obtained. --PMP approved. --Samples of Cordless Telephones obtained from the Collaborator and submitted to TRC for approval. --RBI approval obtained. --Term Loans sanctioned --Land allotted.	December, 1986	January, 1991	141
	(d) Area Radio Pagers	1000 Systems	--LI obtained --Agreement signed with British Co. for financial parti- cipation and trans- fer of technology.		February, 1991	795
	(e) 1+1 Subscriber Carrier System (SCS) Packet Switching Networking (PSN) and Data Modems.	15,000 Systems	1+1 SCS and PSN --LI and CG licence applied --Agreement with STC signed for import of drawings/designs.	September, 1989	July, 1990	300

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned		1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91	
Equity	Debt	Name of Pvc. Sector participation	Extent of Equity to partici- be provi- ded by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted		
8	9	10	11	12	13	14	15	16	17
334.0	666.0		100%	334.0	--	4.00	--	300.00	330.00
500.0	100.0		100%	500.0	--	--	--	--	--
48.21	92.79	--	26%	12.54	0.16	3.00	--	192.00	9.38
300	495	Harnas Communications Ltd., UK	26%	77.0	--	2.00	--	Trial Prod.	75.00
100	200	--	100%	40.00 (60.00 from internal accruals.)	4.00	11.00	--	750.00	25.00

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest ----- Total Cost
1	2	3	4	5	6	7
			--Orders from DOT received. --Prototype developed and submitted to TRC for approval. --Application for term loan submitted. Data Modems --LI received by the Corporation --LI transferred to PCL Building for above projects is available			4978.9
4.	COMPUTERS					
	(a) Mini Computers/ Microprocessor based system	Rs. 50.00 Crores.	--LI obtained. --FC and CG appli cation being submitted.	December, 1988	July, 1991	1500
			--Technology is being provided by Apricot, U.K. through Apricot Inkomex, U.K.			
5.	Uninterrupted Power Supply	200 Nos.	--LI obtained. --CG Import Licence obtained	--	October, 1989	166
						1666
			Total Part-I.			11014.9

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned		1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91	
Equity	Debt	Name of Pvt. Sector partici- pation	Extent of partici- pation by PSEDPC	Equity to be provi- ded by PSEDPC		1989-90 Antici- pated	1990-91 Estima- ted		
8	9	10	11	12	13	14	15	16	17
1696.51	2382.40			1071.24	4.16	22.7	--	1542.00	544.38
500	1000	Apricot Inkomex Ltd. UK =26% Chabria Group =26%	11%	55.0	2.00	3.00	--	--	50.00
55	111	--	100%	55.0	9.00	12.00	--	200.00	34.00
555	1111			110.0	11.00	15.00	--	200.00	84.00
3738.51	6376.40			1617.94	27.36	156.20	--	3842.0	1050.38

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest ----- Total Cost
1	2	3	4	5	6	7
PART-II INFRASTRUCTURE FACILITIES						
1.	<p>ELECTRONICS RESEARCH AND DEVELOPMENT CENTRE (CR&DC)</p> <p>The project is being set up by DOE, Government of India and PSEDPCPL for advanced research, design and development activities in the field of :--</p> <ul style="list-style-type: none"> --Computer Peripherals --Communications --for R&D support to small scale industries. <p>Total cost of the project is Rs. 18.50 Crores. The expenditure shall be shared by DOE & PSEDPCPL in the ratio of 50:50 1st phase of the project shall be of Rs. 4.00 Crores and Rs. 2.00 Crores shall be recurring expenditure.</p>	925.00 Lacs	<p>--DOE has approved the project</p> <p>--Governor of Punjab has approved the project.</p> <p>--DOE has committed to release their share of investment.</p> <p>--Whole time OSD has joined to implement the project.</p> <p>--Operation have started from temporary office building.</p> <p>--Project report is under preparation.</p> <p>--Advertisement has been released for the post of Director.</p> <p>--4 Acres of land for the building being allotted by the Corporation.</p>	April, 1989	March, 1992	<p>Total Cost= 1850.0</p> <p>1st Phase Project Cost= 400.00</p> <p>Recurring expenditure 1st Phase=200.00</p>
2.	<p>Hospital Services Consultancy Centre (HSCC)</p>	40.00 Lacs	<p>--Project report has been submitted to DOE, Government of India.</p> <p>--DOE has sanctioned Rs. 24.76 Lacs as Grant-in-aid for this project. A sum of Rs. 15.78 Lacs has been received from DOE as first instalment.</p> <p>--Head of the Centre has joined. Recruitment for other staff being done.</p> <p>--List of capital equipment has been finalised Capital equipment being purchased.</p> <p>--Service Spare Bank is being established.</p>	April, 1989	March, 1992	Total cost=30.00

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned		1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91	
Equity	Debt	Name of Pvt. Sector partici- pation	Extent of partici- pation by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted		
8	9	10	11	12	13	14	15	16	17

Financing pattern Government of India/ DOE=200+100 PSEDPC= 200+100	--		50%	Funds from PSEDPC= 300.0	--	20.00	--	--	300.00
--	----	--	-----	--------------------------------	----	-------	----	----	--------

Financing pattern Government, of India=25.00 through PSEDPC	--		50%	Funds from PSEDPC= 25.00	--	15.78	--	--	25.00
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Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	----- Total Cost	----- Late
1	2	3	4	5	6	7	
3.	COMPUTER FACILITIES Software Technology Division--STD.	10.00 Crores	--Project Commenced February, 1988	February, 1988	July, 1989	90.00 Project-I ==40.00, 20.00 from DOE.	
			Project I--Dev. of application software & establishment of training facilities at Mohali. Project II --Upgradation of Computer facilities to LAN with CAM/CAE capabilities. --Establishing PLC Software and Hardware development Phototype production Units. --Development of com- munication, systems and utility softwares. --Establishment of two software units at District. --Development of export systems.	July, 1989	March, 1991 (Project-II)	Project-II=50.00	
4.	INTEGRATED INDUSTRIAL COMPLEX						
	(a) Land 300 Acres		Scheme submitted to the Government for approval	January, 1989	December, 1990	450	
	(b) Land Development (i) Roads (ii) Sewerage/Storing water (iii) Water Supply (iv) Land Scapping (v) Helipad Services		Land being located by Punjab Government	December, 1990	July, 1991	412	
	(c) Building Blocks The land is for 5 blocks. Each block shall have 6 Units. --Ground Floor area (2 Units--20,000 Sq.ft.) --1st Floor area (2 Units--16,000 Sq.ft.) --2nd Floor area (2 Units--16,000 Sq.ft.)			December, 1990	July, 1991	250	

(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned			1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91
Equity	Debt	Name of Pvt. Sector participation	Extent of participation by PSEDPC	Equity to be provided by PSEDPC			1989-90 Anticipated	1990-91 Estimated	
8	9	10	11	12	13	14	15	16	17
100%	--	--	Funds from PSEDPC	PSEC funds 70.00	11.0	9.00	--	15.0	70.00
Funds from PSEDPC=150 GOI = 150	IDBI=150	--	33%	--	PSEDPC funding 150.00	--	--	--	150.00
PSEDPC=137 GOI=137	IDBI=137	--	33%	137.00	--	--	--	--	--
PSEDPC=83.33 GOI=83.33	IDBI=83.33	--	33%	83.33	--	--	--	--	--

Sr. No.	Name of the Project/ Scheme	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	----- Total Cost
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1	2	3	4	5	6	7
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(d)	Nucleus Centre for Small Scale Industries	467.50	Project Report being prepared.	April, 1991	March, 1993	935
(e)	Tools, Dies, Moulds and Precision Sheet Metal, production and training Centre	297.00	Project Report being prepared.	April, 1991	March, 1993	594
(f)	66 KV Grid Sub Station and Electrification of the area	215.00	Project Report being prepared.	April, 1991	March, 1993	430
(g)	Communication facilities including wide band satellite earth station for software export	430.00	Project Report being prepared	April, 1991	March, 1993	860
(h)	Consultancy and Techno- logy transfer and Ancillarisation Division	80.00	Project Report being prepared.	April, 1991	March, 1993	160
(i)	Bonded Warehouse	10.00	Project Report being prepared.	April, 1991	March, 1993	20

Total (a) to (i)	1499.50					4111
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Total :						6101
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Total Part-I Industrial Projects						11014.9
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Grand Total Part-I and II						17115.9
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(Rs. in Lacs)

Cost Estimated		Joint Sector/Assisted Sector--100% Owned		1988-89 Actuals	1989-90 Anticipated	Sales Turnover		Proposed Outlay 1990-91	
Equity	Debt	Name of Pvt. Sector participation	Extent of Equity to partici- be provi- ded by PSEDPC			1989-90 Antici- pated	1990-91 Estima- ted		
8	9	10	11	12	13	14	15	16	
Funds from									
PSEDPC=311.66 GOI=311.66	IDBI=311.66	--	33%	311.67	--	--	--	--	--
PSEDPC=198 GOI=198	IDBI=198	--	33%	198.00	--	--	--	--	--
PSEDPC=143.33 GOI=143.33	IDBI=143.33	--	33%	143.33	--	--	--	--	--
PSEDPC=286.66 GOI=286.66	IDBI=286.66	--	33%	286.67	--	--	--	--	--
PSEDPC=53.33 GOI=53.33	IDBI=53.33	--	33%	53.33	--	--	--	--	--
PSEDPC=6.67 GOI=6.67	IDBI=6.66	--	33%	6.67	--	--	--	--	--
PSEDPC=1370 GOI=1370	IDBI=1371			1370.00					150.00
				Other pre-operatives for Land Development and facilities mentioned at Sr. No.4(c) to (i)					12.00
PSEDPC=1765 GOI=1715	IDBI=1371			1765	11.0	44.78	--	15.0	557.00
PSEDPC=5738.51	6376.40			1617.94	23.36	156.20		3842.0	1058.38
PSEDPC=503.51 GOI=1715	7747.40			3382.94	34.36	200.98		3857.0	1615.38

ANNEXURE II

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION LTD. CHANDIGARH

Annual Plan 1990-91

Information regarding projects under implementation/construction/investigation for which funds are required in 1990-91

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
ELECTRONIC/ELECTRICAL PROJECTS :										
1.	Electronic Telex Machine (Modi Business Machines Ltd.)	Joint	1992	300.00	130.00	36.00	26.00	10.00	100	LI, FC & CG Cleared
2.	Facsimile Equipment (Northern Digital Exchanges Ltd.)	Joint	1992	400.00	160.00	43.00	13.00	30.00	100	LI Applied
3.	Electronic Switches & Connectors	Joint	1993	700.00	130.00	60.00	10.00	50.00	150	SIA Obtained
4.	Printed Circuit Board (Hi-tech)	Joint	1993	800.00	315.00	82.00	12.00	70.00	150	SIA Obtained
5.	Auto Electricals	Joint	1993	800.00	315.00	82.00	12.00	70.00	200	SIA Obtained
6.	Electronic Energy Meters.	Joint	1993	500.00	198.00	51.00	11.00	40.00	150	SIA Filed
7.	Quartz Crystals Electronic Weighing Machine Systems	Joint	1994	750.00	250.00	76.00	16.00	60.00	150	SIA Filed
8.	Electronic Peripheral, Sub-Assembly & Components for Electronic Industry	Joint	1992	310.00	102.00	27.00	12.00	15.00	150	MOU Signed SIA being filed.
B. TEXTILE PROJECTS :										
1.	4800 Worsted Spindles at Sangrur (Vee Kay Fibres Ltd)	Joint	1991	1200.00	400.00	120.00	70.00	--	400	Project Under Implementation
2.	2400 Worsted Spindles at Kohra Distt. LDH.	Joint	1992	435.00	130.00	33.80	15.00	18.80	400	Regn. Obtained

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
3.	2400 Worsted Spindles at Sauchwala, Ludhiana.	Joint	1992	435.00	130.00	33.80	15.00	18.80	400	Regn. Obtained
4.	2400 Worsted spindles at Humbra, Ludhiana	Joint	1993	435.00	130.00	33.80	10.00	23.80	400	Regn. Obtained
5.	2400 Worsted Spindles at Derabassi, Patiala	Joint	1993	435.00	130.00	33.80	10.00	23.80	400	Regn. Obtained
6.	25000 Spindles Cotton/Synthetic spg. unit at Fazilka, Ferozepur.	Joint	1994	1455.00	475.00	123.50	5.50	118.00	500	Regn. Obtained
7.	2400 Worsted Spindles at Ahmedgarh, Sangrur	Joint	1993	435.00	130.00	33.80	10.00	23.80	400	Regn. Obtained
8.	25000 Spindles Cotton/Synthetic Spg. unit at Ram-puraphul Bathinda.	Joint	1994	1455.00	475.00	123.50	5.50	118.00	500	Regn. Obtained
9.	25000 Spindles Cotton/Synthetic Spg. unit at Bhiwanigarh, Sangrur	Joint	1994	1455.00	475.00	123.50	5.50	118.00	500	Regn. Obtained
	5500 Power looms project at Goindwal Sahib (Welfab India Ltd.)	Joint	1992	900.00	300.00	78.00	20.00	58.00	300	Loan application filed
1.	Acrylic Fibre Project (Indian Acrylics Ltd.)	Assisted	1991	11500.00	3445.00	345.00	70.00	--	500	Project under implementation
MECHANICAL PROJECT :										
1.	Colled Rolled Formed Section (NBS India Ltd.)	Joint	1992	1000.00	330.00	82.80	20.00	20.30	400	Project Under Implementation in Phases

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
2.	Tyres & Tube project (Indi Swiss Tyres Ltd.)	Joint	1995	15000.00	4000.00	1050.00	50.00	1000.00	1000	Project being Implemented in Phases.
3.	Automobile Glass Lenses (Slony India Ltd.)	Joint	1994	600.00	200.00	52.00	10.00	42.00	200	LI. Received FC. Filed.
4.	Copper Foils/Clad Laminates (Insulec (Pb.) Ltd.)	Joint	1993	2000.00	667.00	173.42	50.00	100.00	300	Project Under Implementation
5.	Automotive Filters	Joint	1992	325.00	135.00	36.00	10.00	26.00	200	Regn. Obtained
6.	High Pressure Gas Cylinders.	Joint	1993	800.00	252.00	65.50	5.50	60.00	300	LI. Received Project through PPGML
7.	Break-lining & Clutch Facing (High-tech Break (India) Ltd.)	Joint	1992	600.00	200.00	52.00	22.00	30.00	200	Regn. Obtained FC. Filed
8.	Autogears	Joint	1992	325.00	135.00	36.00	10.00	26.00	200	SIA Obtained
9.	Cold Rolled Coil Springs	Joint	1993	400.00	150.00	40.00	10.00	30.00	200	SIA Obtained
10.	Steel Files & Rasps	Joint	1993	300.00	130.00	35.00	5.00	30.00	150	SIA Obtained
11.	Track Chain & Roller Assemblies	Joint	1993	375.00	130.00	35.00	5.00	30.00	150	SIA being filed
12.	Automotive Gaskets/CAF Sheets 3 Beater Addition Absestos.	Joint	1994	470.00	130.00	35.00	5.00	30.00	150	SIA being filed
13.	Bimetal Bearing	Joint	1993	760.00	230.00	60.00	20.00	40.00	200	SIA filed
14.	Iron Powder & Sintered metal Components	Joint	1993	700.00	210.00	55.00	15.00	40.00	200	SIA Filed

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
15.	Auto Pistons	Joint	1993	400.00	165.00	43.00	13.00	30.00	150	SIA Obtained
16.	Steering Gears Assembly	Joint	1993	800.00	250.00	65.00	15.00	50.00	200	SIA Obtained
D. CHEMICAL & PHARMACEUTICAL PROJECTS										
1.	Hydrazine Hydrate (HPL Chemicals Ltd.)	Joint	1991	750.00	285.00	74.00	74.00	--	200	Project Under Implementation
2.	Acetic Acid/Acetic Anhydride (Industrial Organics Ltd.)	Joint	1992	650.00	300.00	78.00	50.00	28.00	200	Project under implementation
3.	Medium Density Fibre Board (Hindustan Board Ltd.)	Joint	1993	6000.00	2000.00	520.00	200.00	320.00	500	Loan application filed
4.	Polypropylene Staple Fibre (Auto Polyfibre Ltd.)	Joint	1993	2000.00	670.00	175.00	50.00	125.00	200	LI. Obtained FC, CG, Filed
5.	Sodium Nitrate/Sodium Nitrite	Joint	1993	450.00	152.00	40.00	10.00	30.00	200	SIA Obtained
6.	Synthetic Marble	Joint	1993	500.00	165.00	43.00	8.00	35.00	200	SIA Obtained
7.	Hydrogen Peroxide	Joint	1994	3000.00	1000.00	260.00	25.00	235.00	300	SIA Obtained
8.	High Test Hypochlorite	Joint	1994	2000.00	670.00	175.00	25.00	150.00	200	SIA Obtained
9.	BOPP Self Adhesive Tapes	Joint	1992	375.00	126.00	33.00	13.00	20.00	200	SIA Obtained
10.	Co-extruded Multi-Layer Film	Joint	1993	400.00	165.00	43.00	13.00	30.00	150	SIA Obtained
11.	Zink Poly Urethane Paint	Joint	1992	200.00	70.00	35.00	15.00	20.00	100	SIA Obtained
12.	Carbitol/Cellosole	Joint	1992	450.00	155.00	40.00	20.00	20.00	100	MOU Signed SIA Filed

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
13.	Aniline Project	Assisted	1992	600.00	200.00	20.00	10.00	10.00	100	SIA Obtained
14.	Activated Earth	Assisted	1992	225.00	60.00	6.00	6.00	--	100	SIA Obtained
15.	Writing & Printing Paper-100 TPD	Assisted	1994	4200.00	1400.00	140.00	10.00	130.00	600	MOU being signed
16.	Sheet Glass	Joint	1993	1000.00	330.00	86.00	16.00	70.00	250	SIA Obtained
17.	Linear Alkyl Benzene	Joint	1994	11800.00	3445.00	896.00	50.00	846.00	500	LI to HLL for Joint Sector
18.	Sunflower Seed Processing	Joint	1993	2300.00	760.00	198.00	48.00	150.00	250	Loan application being filed
19.	Poly Vinyl Alcohol	Joint	1994	1552.00	502.00	130.00	20.00	110.00	250	SIA Obtained
20.	Mebendazole, Tinidazole, Propranolol, Metaprolol (Punjab Drugs Ltd.)	Joint	1991	175.00	39.00	19.00	9.00	--	100	Project under implementation
21.	Free Foamed Board	Joint	1992	400.00	160.00	43.00	23.00	20.00	100	SIA Obtained
22.	D--Phenyl Glycine & Series Project (Alpha Drugs India Ltd.)	Joint	1991	2862.00	1127.00	293.02	150.00	--	300	Project under implementation
23.	Ampicillin Sodium Sterile	Joint	1993	500.00	145.00	57.00	12.00	45.00	150	SIA Obtained
24.	Composite Poultry Processing	Joint	1992	670.00	220.00	60.00	10.00	50.00	200	LI Obtained
25.	Vitamin--C and Sorbitol Project	Joint	1994	2000.00	750.00	195.00	25.00	170.00	200	SIA Obtained
26.	Tetracycline/Oxytetracycline	Joint	1994	2100.00	700.00	182.00	22.00	160.00	200	LI Obtained

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided 1991 Onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
27.	Ephedrine Hcl. Calcium Lactate/lactic Acid	Joint	1993	400.00	160.00	43.00	13.00	30.00	150	SIA Obtained
28.	Pencillin 'G'	Joint	1995	6000.00	2000.00	520.00	20.00	500.00	300	LI/FC Filed
29.	Rifampicin (Basic Stage)	Joint	1995	3000.00	1000.00	260.00	20.00	240.00	300	SIA being filed
30.	Vaccine Project (Viral/Bacterial)	Joint	1993	1200.00	400.00	104.00	22.00	82.00	200	SIA being filed
31.	Nitro Chloro Benzene series	Joint	1993	350.00	140.00	36.00	6.00	30.00	100	MOU signed
1.	PROJECTS UNDER DIFFERENT STAGE OF IMPLEMENTATION COVERED UNDER HEAD A TO D NUMBERING 67 AND FOR WHICH FUNDS ARE REQUIRED DURING ANNUAL PLAN 1990-91			107364.00	34430.00	8249.74	1609.50	6106.30	16950	Project details referred at page 1 to 6
2.	PROJECTS UNDER INVESTIGATIONS FOR WHICH MOU'S HAVE BEEN SIGNED OR ARE UNDER PRELIMINARY EXAMINATIONS.					--	--	100.00 (1990--95)	739.00	--
3.	INVESTMENT IN PRIVATE SECTOR				--	--	--	1000.00 (1990--95)	7500.00	--
4.	REQUIREMENT OF FUNDS FOR ASSISTANCE TO PROMOTED COMPANIES TO MEET EXPANSION/URGENT FUND REQUIREMENT.				--	--	--	200.00 (1990--95)	500.00	--
5.	MARGIN MONEY REQUIREMENT UNDER IDBI REFINANCE SCHEME				--	--	--	700.00 (1990--95)	5075.00	--
A.	NET TOTAL OF CATEGORY 1 TO 5			107364.00	34430.00	8249.74	3609.50	6106.30 + 13814 (1990--95)		

(Rs. in lacs)

Sr. No.	Name of the Project/Company	Investment Sector	Expected date of Completion	Total Cost (Estimated)	Total Equity	Equity to be provided by PSIDC	Equity to be provided during 1990-91	Equity to be provided onwards	Emp.	Status
1	2	3	4	5	6	7	8	9	10	11
	B. RESOURCE MOBILISATION THROUGH DIVIDENDS, DIS-INVESTMENTS AND ANNUAL SURPLUSES			--	--	--	400.00	--	--	
	(A - B) NET FUND REQUIREMENT			--	--	--	3209.50	--	--	

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 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 a small provision for Civil Aviation largely for construction of air-field 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 :—

(Rs. in lakhs)

Serial No.	Sub-head	1980-85 Expenditure	1985-90 outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Expenditure	1988-89 Expenditure	1989-90 Anticipated Expenditure	1990-91 out lay	
									State level	District level
1	2	3	4	5	6	7	8	9	10	11
1	Roads and Bridges	6133.83	9800.00	1343.49	1396.27	1192.20	1116.36	1300.00	628.00	982.00
2	Road Transport	5135.34	8300.00	1195.29	1223.47	1696.10	1639.07	1950.00	1890.00	310.00
3	Civil Aviation	83.47	120.00	11.60	15.00	13.96	20.00	42.00	60.00	—
4	Tourism	156.00	200.00	19.99	26.00	48.00	80.00	101.84	150.00	—
	Total	11508.64	18420.00	2570.37	2650.74	2950.26	2855.43	3393.84	2728.00	1292.00

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. Main achievements of road kilometrage of different kinds of roads at the end of Fourth (1973-74), Fifth (1978-79) and Sixth Plan (1980-85), alongwith targets for Seventh Plan (1985-90) are given as under :—

(Kms.)

Serial No.	Item	Position as on				Target 1985-90	Position as on 1989-90
		1973-74	1978-79	1979-80	1984-85		
1	2	3	4	5	6	7	8
1	National Highways	964	964	964	964	964	974
2	State Highways	1862	1900	1900	1900	1900	1953
3	Major District Roads	2076	2100	2100	2100	2100	2037
4	Other District Roads	2335	2379	2388	2438	2550	2480
5	Village Roads	15985	23520	24524	26395	26552	28556
	Total	23222	30863	31876	33797	34066	35994

Seventh Five Year Plan :

9.3. The main programmes 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 spill over 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 outlay of Rs. 5048.32 lakhs was spent during 1985-89 mainly for completion of spillover works under various programmes of this sub-head. During 1989-90, a sum of Rs. 13.00 crores has been provided for carrying out the programmes included in the 7th Plan. 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. 6.28 crores has been provided mainly for completion of spillover works under various programmes of this sub-head.

The details of programmes/schemes under this sub-head are as under :—

Bridges :

9.4. Construction of bridges and culverts is a necessary requirement making roads fair-weather. An outlay of Rs. 1500.00 lakhs has been provided for completing 26 spillover works and for undertaking construction of 79 new works during Seventh Five Year Plan. An expenditure of Rs. 1180.40 lakhs was spent during 1985-89, 36 bridges were completed and work on 46 bridges was in progress during this period. A sum of Rs. 463.00 lakhs has been provided for 1989-90 for carrying out 35 spillover bridges and for undertaking 5 new bridges. The spillover requirement of funds for 14 bridges under this scheme by the end of 7th Plan is Rs. 1550.60 lakhs. In Annual Plan 1990-91, an outlay of Rs. 550.00 lakhs has been provided mainly for completion of spillover works.

Central Road funds :

9.5. This scheme is fed from the proceeds of levy on motor-spirit. Allocations are made to the state for programme approved by Ministry of Transport, Government of India. During Seventh Five Year Plan, an outlay of Rs. 400.00 lakhs has been

provided for the implementation of this programme. An expenditure of Rs. 114.51 lakhs was spent during 1985-89 and 20 Kms. of road length was constructed during this period. A sum of Rs. 40.00 lakhs (Revised outlay Rs. 117.50 lakhs) has been provided for 1989-90 for 2 spillover works and undertaking 3 new works. In Annual Plan 1990-91, an outlay of Rs. 70.00 lakhs has been provided under this scheme.

Research and Development, Field Training, Labs and purchase of Equipments :

9.6. 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 has been provided for this programme. An expenditure of Rs. 5.99 lakhs was spent during 1985-89 for the purchase of equipment technical books for the library and for imparting training to the staff and officers of the department. An amount of Rs. 5.00 lakhs has been provided to continue the programme during 1989-90. In Annual Plan 1990-91, an outlay of Rs. 8.00 lakhs has been provided for this purpose.

Road Transport :—

9.7. 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 private sector. The passenger transport is shared between the public sector and the private sector in the ratio of 60:40. 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 approved for Seventh Plan, expenditure during 1985-86, 1986-87, 1987-88 and 1988-89 and outlay for 1989-90 and 1990-91 for two undertakings are given below.

(Rs. in lakhs)

Schemes	1985-90 outlay	1985-86 Expenditure	1986-87 Expenditure	1987-88 Expenditure	1988-89 Expenditure	1989-90 Anticipated Expenditure	1990-91 outlay	
							State level	District level
1	2	3	4	5	6	7	8	9
1 Punjab Roadways	5550.00	645.29	623.47	646.10	1149.21	1150.00	1090.00	285.00
2 P.R.T.C.	2750.00	550.00	600.00	1050.00	489.86	800.00	800.00	—
Total	8300.00	1195.29	1223.47	1696.10	1639.07	1950.00	1890.00	285.00

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 lacs has been provided for replacement of 1,774 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 has been approved for replacement of buses of Punjab Roadways. An expenditure of Rs. 2629.07 lakhs was spent for replacement of buses during 1985-89. An outlay of Rs. 953.00 lakhs (Revised-Rs. 1053.00 Lakhs) has been provided for replacement of buses during 1989-90. The details of buses of Punjab Roadways during Seventh 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	124	193	540	578	681
2 No. of additional buses became due for replacement during the year	225	500	205	403	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

In Annual Plan 1990-91, an outlay of Rs. 1090 lakhs has been provided for implementing the follow-

ing development programmes, which includes Rs. 1050.00 lakhs for replacement of 262 buses.

(Rs. in lakhs)

Serial No.	Item	Outlay 1990-91
1	2	3
1	Land and Building	—
2	Acquisition of fleet: —	
	(i) Expansion	—
	(ii) Replacement	1050.00
3	Workshop facilities	40.00
	Total	1090.00

PRTC :

In the Seventh Five Year Plan, the State Government has approved Rs. 2750.00 lakhs as share capital contribution to the Corporation out of which Rs. 2200.00 lakhs was provided during 1985-89 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 Corpo-

ration mainly for 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 the 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. In Annual Plan 1989-90, an outlay of Rs. 900.00 lakhs (Revised outlay-Rs. 800.00 lakhs) has been provided as share capital contribution to PRTC. It has been intimated that the target of 201 buses to be replaced only 171 buses will be replaced during 1989-90. It may also be intimated that the Corporation has diverted an amount of Rs. 10.00 crores from Capital to Revenue provided for replacement of buses during the 7th Plan period. The details in this respect are given in the following table :—

(Rs. in lakhs)

Serial No.	Source	1985-90 Approved outlay	1985-86 Actual Expenditure	1986-87 Actual Expenditure	1987-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90 Anticipated Expenditure	1990-91 Outlay
1	2	3	4	5	6	7	8	9
1	State Government contribution	2750.00	550.00	600.00	1050.00	489.86	800.00	800.00
2	Northern Railway contribution	1375.00	354.15	300.00	..	..	..	..
3	Institutional Finance	1860.00	186.11	203.66	109.72	18.80	..	..
	Total	5985.00	1090.26	1103.66	1159.72	508.66	800.00	800.00

9.14. The details of development programmes and 1990-91 are given below :—
of the Corporation during Seventh Five Year Plan

(Rs. in lakhs)

Serial No.	Item	1985-90 Approved Outlay	1985-86 Actual Expenditure	1986-87 Actual Expenditure	1987-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90 Outlay	1990-91 Outlay
1	2	3	4	5	6	7	8	9
1	Acquisition of fleet—							
	(i) Expansion	4725.00	263.86	218.64	289.65	149.07	825.00	726.00
	(ii) Replacement	75.00	2.16	0.65	0.10	0.13	22.00	22.00
2	Workshop facilities	10.00	0.38	0.64	0.31	2.17	3.00	2.00
3	Others	575.00	41.18	49.83	44.51	40.98	50.00	50.00
4	Land and Building	500.00	150.00	533.00	210.95	..	..	..
5	Repayment of interest to the State Government	..	93.28	95.35	154.20	316.31	..	..
6	Repayment of principal to the financial institutions	..	..	..	160.00	..	..	..
7	Payment of loans to State Government	..	..	..	100.00	..	..	..
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	550.86	898.11	1159.72	508.66	900.00	800.00

The sanctioned fleet strength of the Corporation is 1074 buses and fleet strength as on 31st March, 1989 was 1023 buses. The details of buses of the Corporation during 7th Five Year Plan are given below :—

Details of buses of Pepsu Road Transport Corporation during 7th Five Year Plan :

	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	549
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

In Annual plan, 1990-91, an outlay of 800.00 lakhs has been provided to the Corporation as share Capital contribution out of which Rs. 726.00 lakhs has been provided for replacement of 181 buses of the Corporation.

Civil Aviation :

9.16. 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 a Private Club but

under the control of the Government. The department is having fleet of 21 Pushpak Aircrafts 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 Pushpak Aircrafts loaned to various Aviation Clubs in the state. The physical targets and achievements for Seventh plan are indicated below :—

Serial No.	Name of the Training	Unit	Seventh Plan (1985-90) Targets	Achievement (1985-88)	Achievement (1988-89)	1989-90		Annual Plan 1990-91 target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
1	Commercial pilot licence issued	.. No.	25	41	36	15	15	15
2	Private Pilot licence issued	.. No.	100	179	47	30	30	30
3	F.I.R./A.F.I.R.	.. No.	25	16	6	5	5	5
4	Bonanza Rating and Instrument rating	.. No.	75	..	16	35	35	35
5	Simulator Rating	.. No.	200	155	20	40	40	40
6	Air Craft Maintenance Engineering (3 years course)	.. No.	100	25	18	20	20	20
7	Gliding Pilot licence to be issued	.. No.	100	3	4	25	25	25

9.17. In seventh Five Year Plan, an outlay of Rs. 120.00 lakhs has been provided under this sub-head for implementing various programmes. An expenditure of Rs. 58.60 lakhs was spent during 1985-89 under this sub-head for implementing various programmes. During 1989-90, a sum of Rs. 42.00 lakhs has been provided for implementing these programmes. In Annual Plan 1990-91 an outlay of Rs. 60.00 lakhs has been provided for implementing the following programmes:—

(a) Aircraft Maintenance Engineering School :

9.18. Aircraft Maintenance Engineering School at Patiala imparts training for 3 years Diploma Course in Air-craft maintenance. An outlay of Rs. 25.00 lakhs has been approved for Seventh Five Year Plan, out of which Rs. 20.00 lakhs was released as grant-in-aid during 1985-89 for continuing the training programme in this school. In Annual Plan 1989-90, an outlay of Rs. 5.00 lakhs has been provided for this purpose. Since this scheme has been transferred to Non-Plan side, no provision has been made for this purpose in the Annual Plan 1990-91.

(b) Simulator Training Unit :

9.19. The department has a Ground Simulator Training Unit at Patiala for imparting training to

pilots for better job opportunities in Indian Air Line. In the Seventh Five Year Plan, an outlay of Rs. 5.00 lakhs has been provided out of which Rs. 4.00 lakhs has been released to the club during 1985-89 as grant-in-aid for meeting the expenses of Aviation Club, Patiala. In Annual Plan 1989-90, an outlay of Rs. 1.00 lakh has been provided for this purpose. Since this scheme has been transferred to non-plan side, no provision has been made for this purpose in the Annual Plan 1990-91.

(c) Taking over of flying Clubs :

9.20. 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/Rolls Royce engines 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 takeover 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.

(d) Flying Club, Ludhiana :

9.21 The existing air-field at Ludhiana has already been taken over by Government of India for Vayudoot Services. As such new infrastructure at Ludhiana for Flying Clubs 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. 7.00 lakhs was sent for the construction work of Ludhiana Airfield during 1986—89. In Annual Plan 1989-90, an outlay of Rs. 25.00 lakhs has been provided for this purpose. In Annual Plan 1990-91, an outlay of Rs. 30.00 lakhs has been provided for completion of this work

(2) Machinery/Equipment :

9.22. As mentioned earlier, the department of Civil Aviation is having a fleet of 21 Pushpak Aircrafts and one Bonanza Aircraft (4) seators 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. An expenditure Rs. 30.96 lakhs was spent during 1985—89. An amount of Rs. 11.00 lakhs has been provided for this purpose during 1989-90 as per details given below :—

	(Rs. in lakhs)
1. Re-engining of Pushpak Aircrafts ..	8.00
2. Provision to defray the balance of payment and custom duty etc. ..	3.00
Total ..	11.00

9.23. In the Annual Plan 1990-91, an outlay of Rs. 25.00 lakhs has been provided under this scheme. Out of this, Rs. 14.00 lakhs for replacement of gliders Rs. 9.00 lakhs for re-engining of Pushpak Aircrafts and Rs. 2.00 lakhs to defray balance of payment and custom duty has been provided.

Tourism :

9.24. 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. 251.00 lakhs to the Corporation upto 31st March, 1985 by way of share capital contribution in addition to the transfer of existing assets valued 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. A sum of Rs. 53.99 lakhs was spent during 1985-89. In Annual Plan 1989-90, out of provision of Rs. 10.00 lakhs (Revised outlay—Rs. 28.50 lakhs), an outlay of Rs. 18.50 lakhs has been provided for purchase of land existing under 8 complexes

of the Corporation from the irrigation department In Annual Plan 1990-91, outlay of the Corporation as share capital contribution has been enhanced of 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 repair and maintenance of the existing complexes of the Corporation (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. 823.50 lakhs. The feasibility report is to be prepared by I.T.D.C. The cost of land payable to U.T. Administration is Rs. 190.00 lakhs, out of which Rs. 50.00 lakhs and Rs. 50.00 lakhs (Revised outlay—Rs. 31.50 lakhs) as State's share has been provided for this purpose during 1988-89 and 1989-90 respectively. In Annual Plan 1990-91, out of Rs. 90.00 lakhs as share capital contribution to PSTDC, an outlay of Rs. 50.00 lakhs has been provided for this purpose.

9.25. 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 lakhs 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. Rs. 17.00 lakhs for this purpose. An outlay of Rs. 20.00 lakhs has been provided as state's share in Annual Plan 1989-90 for construction of a new Yatri Niwas at Madhopur. In Annual Plan 1990-91, no provision has been made for this purpose.

9.26. Government of India have agreed to provide facilities for the tourists visiting Punjab by Providing Way-side amenities at a cost of Rs. 1.00 crores 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 at Patiala, Nadampur, Hoshiarpur, Gurdaspur, Dasuya and Moga. An amount of Rs. 2.00 lacs was spent during 1988-89 for this purpose. In Annual Plan 1989-90, an outlay of Rs. 2.00 lakhs has been provided for contributing the State's share for providing accommodation and restaurant facilities at Bhatinda, Barnala, Kadian and for construction of Fast Food counters 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 State's share for providing accommodation and restaurant facilities at Bhatinda, Kapurthala Ferozepur, Faridkot, Beas and Amkhas Bag, Sirhind.

9.27. It has been decided to set up a Food Craft Institute for running short term courses for the Hotel Industry at Ludhiana under Centrally-sponsored scheme. The estimated cost of this project is Rs. 30.00 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 a 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.

9.28. 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 2.00 lakhs (Revised outlay=Rs. 1.00 lakhs) 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 made for this purpose in the Annual Plan 1990-91.

9.29. 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 outlay of Rs. 1.00 lakh (Revised outlay-Rs. 0.84 lakh) as token provision has been made for this purpose during 1989-90. In Annual Plan 1990-91, an outlay of Rs. 20.00 lakhs as State's share for the purchase of land has been made.

CHAPTER X
EDUCATION

10.1 Education is a vital source for human development and progress. It is an effective means for transforming the society through human resource development. The 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 Educational facilities have been expanded and upgraded in the State. Now every revenue village has Primary school, a Middle school within 2.00 Kms. and High school within 2.5 Kms. of every village. This is better than the norm of 1.00 Kms. for a Primary school, 3.00 Kms. for a Middle school and 5.00 Kms. for a High school fixed by the Government of India. The drop out rate at the Primary stage has also been brought down to 32.5%

in 1987-88 from 41.5% in 1986-87 with concerted efforts by the State.

10.3. The gains made during Seventh Five Year Plan would further be consolidated during the Eighth Five Year Plan. The stress accordingly would be on qualitative improvement in the Educational institution rather than on its expansion and upgradation. In view of the principle of decentralisation of Planning processes inherent in the new approach of the Planning Commission devolution of funds to the districts has also been made during 1990-91 for satisfying local felt needs and thereby raising the standard of living of population of the State. Directorate/sub-head-wise detail of allocations/expenditure of Seventh Five Year Plan and also the funds provided both at state and district levels for 1990-91 are depicted in the following tables:—

TABLE 'A'

(Rs. in lakhs)

Sl. No	Name of the Directorate	Seventh Plan (1985—90)		Annual Plan 1990-9
		Agreed Outlay	Likely Expenditure	Approved Outlay
1	Primary Directorate	State	1386.00	1000.54
		District	..	240.40
		Total	..	240.40
2	School Directorate	State	5294.00	3860.81
		District	..	105.00
		Total	..	1005.10
3	College Directorate	State	1215.00	1531.01
		District	..	..
		Total	..	244.00
4	Director Language	State	87.00	299.23
		District	..	..
		Total	..	130.00
5	Director Youth Services	State	113.00	194.70
		District	..	..
		Total	..	15.14
6	Director Sports	State	170.00	980.90
		District	..	..
		Total	..	809.86
7	Director (i) Cultural Affairs	State	167.00	214.59
		District	..	..
		Total	..	58.00
(ii) Archaeology and Museum.	State	216.00	242.20	176.00
	District	..	..	..
	Total	..	..	50.00

Sl. No.	Name of the Directorate	Seventh Plan (1985-90)		Annual Plan 1990-91
		Agreed Outlay	Likely Expenditure	Approved Outlay
(iii) Archives.	State	..	55.00	50.19
	District	..	..	..
	Total	..	..	83.00
Total (1-7)	State	..	8703.00	8374.17
	District	..	..	..
	Total	..	..	861.14 2055.36 2916.50

TABLE (B)

Sl. No.	Name of the Sub-Head earmarked/Un-earmarked Sector.	Seventh Plan (1985-90)		Annual Plan 1990-91
		Agreed Outlay	Likely Expenditure	Approved Outlay
1	2	3	4	5
1	General Education			
i) Elementary Education (Earmarked)	State	..	2875.25	1905.01
	District	..	..	..
	Total	..	..	408.00
ii) Other than earmarked Sector.	State	..	4261.75	4426.58
	District	..	..	..
	Total	..	..	362.00 823.50 1185.50
iii) Adult Education (Earmarked)	State	..	500.00	53.67
	District	..	..	..
	Total	..	..	54.00
Total (I)	State	..	7637.00	6385.24
	District	..	..	..
	Total	..	..	416.00 1231.50 1647.50
2 Sports and Youth Services	State	..	608.00	1445.24
	District	..	..	..
	Total	..	..	106.14 823.86 930.00
3 Art and Culture	State	..	458.00	543.67
	District	..	..	..
	Total	..	..	339.00
Total (1-3)	State	..	11207.00	10169.44
	District	..	..	..
	Total	..	..	861.14 2055.36 2916.50

Most of the Plan Schemes under which facilities in the form of furniture, science equipment/apparatus, lavatory and drinking water facilities, science labs, buildings etc. in the existing educational institutions of the Directorate of Primary and Schools were to be covered have been shifted to the District Plans and would be executed by the officers of these departments at the district level. Accordingly allocation of funds for the implementation of these schemes have been kept at the disposal of the District Planning and Development Boards. The remaining schemes which would be implemented at the state level are given below:—

Direction and Administration

10.4. The Department intends to restructure 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 up-grade some of the existing posts expenditure on which would be met from the Non-Plan budget of the state. While the other posts relating to research and production work would be created to meet the requirement under the new policy on education during the Eight Five Year Plan. A token provision of Rs. 1.00 lakh is being provided for the restructuring of SCERT during the year 1990-91.

10.5. It has reported by the Department that in the absence of proper legal expertise in the department they have to pay lot of amount on account of penalties as proper attention is not given to the court cases. The department, therefore, intends to create some posts of Law Officers, Legal Assistants and supporting staff at the head-quarters and also one post each of legal Assistant and Clerk-cum-Typist in each district in the state. An allocation of Rs. 2.00 lakhs is being provided for the creation of staff required to implement the scheme during 1990-91.

Research and Training

10.6. The main function of the State Institute of Science Education is to improve the Teaching of Science. For this purpose innovational material apparatus are developed and Science Seminars/Exhibitions/fairs etc. also are conducted at Tehsil, District and State level. An allocation of Rs. 2.00 lakhs is being provided for 1990-91 for this purpose.

10.7. Various Directorates and Wings of the Education Department presently are functioning in different rented buildings which do not have even the requisite facilities. A lot of amount is also being spent every year on the rent of these hired out buildings. For proper co-ordination of various Wings Department intends to bring all the Directorate/Deptt. wings under an Umbrella by having its own building. The estimated cost of the propose building would come to about Rs. 2000.00 lakhs which would be provided in a phased manner. In order to undertake the preliminary work, a sum of Rs. 5.00 lakhs is being provided under the scheme for the year 1990-91.

Adult Education

10.8. All the illiterates are required to be covered under the Adult Education programme to achieve cent per cent target by Eighth Five Year Plan i.e. 1990-95. In order to achieve this target, an allocation of Rs. 50.00 lakh is, however, being provided for starting Adult Education projects in educationally backward Distt. in the state during 1990-91. Apart from this another sum of Rs. 4.00 lakhs is also being set aside to implement the follow up programme on Jana Shikshan Nilayams pattern during 1990-91.

Physical Education

10.9. 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. 41.00 lakh is being provided for 1990-91. The details of amount provided are given as under:—

	(Rs. in lakhs)
(i) Providing of Hostel facilities in Sports School, Jalandhar ..	26.00
(ii) Improvement of Schools in Rural Areas (on 50:50 sharing basis with Government of India) ..	5.00
(iii) Cub and Bul Bul Movement ..	1.00
(iv) Posts of D.P.Es ..	5.00
(v) Creation of 12 Posts of Deputy Distt. (Physical) Education Officers ..	2.00
(vi) Provision of Supporting Staff ..	2.00
Total ..	41.00

10.10. Construction of Hostel Building at the total estimated cost of about Rs. 27.48 lakhs was undertaken at Sports Schools, Jalandhar with an allocation of Rs. 1.50 lakhs during 1989-90. For the completion of this building an another sum of Rs. 26.00 lakhs is being provided for 1990-91.

10.11. It has been reported by the department that a scheme for providing latest sports facilities equipment/apparatus of mechanical nature had been launched by the Government of India on 50:50 sharing basis with the State Government. In order to meet the state share a sum of Rs. 5.00 lakhs is being provided for 1990-91.

10.12. Cub and Bul Bul an Scouting Scheme inculcate the spirit of self disciplines, sense of comradeship, mutual help, cooperation, national integration etc. The Activities of this movement would be carried out at the cost of Rs. 1.00 lakhs during 1990-91.

10.13. The discipline of Physical Education has been made compulsory in the schools. Department has reported the shortage of 470 Posts of D.P.Es

in the schools, For the creation of these posts a sum of Rs. 5.00 lakhs is being provided for 1990-91.

10.14. With a view to revamp the existing system at the district level department intends to create a post of Deputy District (Physical) Education Officer at each district headquarters. A sum of Rs. 2.00 lakhs for creation of these posts to cover all the districts in a phased manner is provided for 1990-91.

10.15. Department has reported shortage of 18 posts of Sports Supervisors, 6 posts of life Savers (Swimming Pools) and 13 Posts of Class-IV in various sports schools/wings in the state. For the creation of these posts a sum of Rs. 2.00 lakhs is being provided for the Annual Plan 1990-91.

University and Higher Education

10.16. A sum of Rs. 244.00 lakhs is being provided for the implementation of various programmes of the College Directorate during 1990-91 against the approved outlay of Rs. 578.53 lakhs provided for the year 1989-90.

Directorate and Administration

10.17. A proposal for setting up of State Council of Higher Education for proper Planning and effective coordination of Higher Education programmes is under active consideration of the Government, Pending a policy decision over this matter a token provision of Rs. 1.00 lakh, is however, being provided for the year 1990-91.

10.18. The Government Colleges in the state are stated to be under provided in respect of Ministerial Staff. Shortage of 8 Superintendents, 46 Clerks, 4 Stenographers and 10 posts each of Care-taker, Librarian, Chowkidar and Sweeper in the Government Colleges has been reported by the Department. In order to create the essential posts, a sum of Rs. 2.00 lakhs is being provided for 1990-91.

Assistance to Universities.

10.19. The expenditure level to be attained by the end of 1989-90 on the job oriented courses and chairs set up in various universities during Seventh Plan would be transferred to the Non-Plan Budget. A sum of Rs. 5.00 lakhs, is however, being provided for starting new job oriented courses and chairs in various universities in the State during 1990-91.

10.20. Both the Guru Nanak Dev University, Amritsar and Punjabi University, Patiala are developing Universities and construction work therein is going on. In order to avail the matching contribution from U.G.C. for the construction works, a sum of Rs. 40.00 lakhs is being provided for 1990-91.

10.21. The construction of Guru Nanak Bhawan at Guru Nanak Dev University Campus at Amritsar was undertaken with an allocation of Rs. 25.00 lakhs during 1988-89. The total estimated cost of construction of the Bhawan reported is Rs. 180.00 lakhs. A sum of Rs. 30.00 lakhs is being provided for 1990-91 for this purpose.

Improvement and Expansion of Govt. Colleges.

10.22. 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. The 4 New colleges started during Seventh Plan would be transferred to the Non-Plan side. No new college would be opened during 1990-91. An allocation of Rs. 50.00 lakhs, is however, being provided for the construction of college building at S.A.S. Nagar (Mohali) Government College for Women, Mandi Gobindgarh and Government College, Talwara.

10.23. In order to provide better educational facilities to the students in the existing Government Colleges new programmes such as introducing new courses/subjects, additional posts of Lecturers on the basis of norms changed from time to time and provision of infrastructural facilities of furniture, science equipment/apparatus, books and laboratories and libraries, would be provided under the plan scheme 'Improvement in existing colleges' at the cost of Rs. 80.00 lakhs during 1990-91. Out of this amount a sum of Rs. 25.00 lakhs would be utilised on construction of Science Laboratories, Library Block, Principal's Residence and Class-IV quarters.

10.24. Matching share is provided by the State Government under U.G.C. sharing scheme for the development of Government Colleges. A sum of Rs. 9.00 lakhs is being provided for 1990-91 to meet the state share under the scheme.

10.25. A sum of Rs. 5.00 lakhs is being provided under the Plan Scheme 'Hostal in Government Colleges' for the creation of posts of Hostel Superintendents/Wardens and also for provision of facilities of furniture, cost etc. in the Government Hostels during 1990-91.

10.26. Except District Ludhiana, District Public Library had been established at each district headquarters. The expenditure on the maintenance of these libraries is required to be booked on the Non-Plan budget of the state. In order to implement this scheme, a sum of Rs. 20.00 lakhs is being proposed for the construction of library buildings, creation of staff etc. during 1990-91. For the promotion of cultural activities among the students in the colleges, another sum of Rs. 2.00 lakhs is being provided for 1990-91.

Development of Languages.

10.27. A sum of Rs. 130.00 lakhs, against the allocation of Rs. 152.95 lakhs provided for 1989-90 is being provided for the development of State Language as well as National Language and also for the development of Urdu and Sanskrit Languages in the State during 1990-91.

Development of State Language, Punjabi.

10.28. In order to boost the sale of departmental publications, to hold exhibitions of books and to make these books available to common man in the rural areas, purchase of a mobile van under this scheme has been proposed. The other activities to be carried out under this scheme are rapport with Punjabi

TECHNICAL EDUCATION

Writers Literary Associations outside Punjab, invitations to writers of other states for participation in Seminars and Kavi Darbar in the state, national integration through language and literature, compilation and publication of Literary and other works etc. All these activities would be carried out at the cost of Rs. 11.00 lakhs during 1990-91.

Development of National Language-Hindi:

10.29. A sum of Rs. 1.50 lakhs is being provided under the Plan scheme 'Development of National Language' for 1990-91 for the purpose of procurement editing, translation of rare manuscripts/Hindi books into Punjabi, compilation and publication of literary and other works/production and reproduction of rare books and departmental publications etc.

Development of Urdu Language:

10.30. A sum of Rs. 1.50 lakhs is being provided under the Plan scheme Development of Urdu Language for 1990-91 for holding of Quwalies/ Dramas, festivals, literary functions, publication and reproduction of rare books and departmental publication etc.

Development of Sanskrit Language:

10.31. An amount of Rs. 1.00 lakh provided for 1990-91 would be utilised for the transaction of Sanskrit Books, Publication of Literary works etc.

Bhasha Bhawan Complex. Patiala:

10.32. The construction of Bhasha Bhawan Complex Building was undertaken at the total estimated cost of about Rs. 100.00 lakhs by providing an allocation of Rs. 50.00 lakhs during 1988-89. An allocation of Rs. 98.00 lakhs was made for the year 1989-90 for the completion of the building. But due to severe constraints on financial resources in the state the expenditure under the scheme was restricted to Rs. 60.00 lakhs. Because of escalation in the cost of construction material a sum of Rs. 100.00 lakhs is again being provided for 1990-91 for the completion of the complex.

10.33. The plan scheme Micro Filming inducted for the purpose of preservation of rare manuscripts of the Language Department in the Plant during 1988-89 and also the other new Schemes namely: (i) Training of High Speed Stencographers, (ii) Punjabi Week, (iii) Preparation of Trilingual Self Teacher, and (iv) Training to interpreters would be implemented at the total cost of Rs. 15.00 lakhs during 1990-91.

10.34. 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 on 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 the State which will require additional manpower particularly in Engineering Technologies. The Civil facilities like buildings, Roads Public Health have to extend.

10.35. The Technical Education, hitherto, was concerned with the training in conventional Fields i.e. Civil, Electrical and Mechanical Engineerings. These conventional courses, in fact gave broad-base education/training. The skill acquired during these courses is not geared to the requirements of modern industry using highly sophisticated processes necessitating specialist knowledge of training, the department being aware of this gap, undertook to consolidate and update the training programme in the following manners:—

- (i) By Planning Specialist courses in Emerging Technology both at degree and diploma levels.
- (ii) By Planning courses in uncovered fields both at degree and diploma levels.
- (iii) By consolidating the broad-based programmes.
- (iv) Opening new Institutes both at degree and diploma levels.

10.36. 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 man-power needs. The Policy further *inter-alia* lays down that the new courses should be based on well established and well defined manpower needs.

10.37. Programme-wise cutlays/expenditure during Seventh Plan and approved for the Annual Plan 1990-91 is given below:—

(Rs. in lakhs)

Sr. No.	Programme	7th Plan (1985-90) Approved Outlay	Actual Expenditure				Annual Plan 1989-90 Approved Outlay	Annual Plan 1990-91 Approved Outlay
			Annual Plan 1985-86	Annual Plan 1986-87	Annual Plan 1987-88	Annual Plan 1988-89		
1	2	3	4	5	6	7	8	9
1	Directions and Administration ..	10.00	1.97	3.01	3.29	2.99	4.00	1.00
2	Govt. Polytechnics ..	1146.75	92.42	161.56	129.81	147.83	153.00	140.00
3	Industrial Training Schemes ..	200.00	2.80	24.82	10.46	47.55	51.00	145.00
4	Govt Engineering Colleges ..	809.00	27.79	124.67	151.20	209.65	251.00	630.00
5	Assistance to Non-Govt. Engineering Colleges ..	95.10	13.10	12.24	2.50	11.00	15.00	4.00
6	Private Poly. ..	171.75	8.55	10.00	24.90	11.06	38.00	20.00
7	Other Programmes ..	71.00	4.50	7.47	12.48	10.65	13.00	60.00
Total		2504.00	151.13	343.77	334.64	440.73	525.00	1000.00

Direction and Administration :

10.38. Under 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. The staff created/likely to be created would be transferred to the Non-Plan side during 1990-91. A token provision of Rs 1.00 lakhs has been made for the creation of essentially needed posts to strengthen the Directorate during 1990-91.

Development of Special Trade Institutions :

10.39. 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. Academic standard of the Government Polytechnic for women, Jalandhar is at par with other Government Polytechnic in the State. An allocation of Rs. 50.00 lakhs for the construction of building and also for the creation of staff for starting two new courses i.e. Electronics and Communication Engg. and Interior Decoration has been provided for 1990-91.

10.40. The syllabi being followed in the Special Trade Institutions has become obsolete and to meet the present day requirement of Industry, the Technical Teachers Training Institutions has suggested drastically new curriculum and scheme of studies which entail the replacement of most of the existing machinery and equipment in the laboratories and work-shops of these Institutions. In order to provide machinery/equipment and accordingly affecting alterations/additions in the buildings, a sum of Rs. 95.00 lakhs has been provided for 1990-91.

Assistance to Non Government Engineering Colleges :

10.41. 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. This scheme would, therefore, be implemented at the cost of Rs. 4.00 lakhs during 1990-91.

Government Polytechnics :

10.42. An allocation of Rs. 140.00 lakhs has been provided to carry out various activities of the Government Polytechnics during 1990-91.

Government Polytechnics, Bathinda :

10.43. Construction activities of the Government Polytechnic, Bathinda have since been completed and the Institution has now become full

functional. In order to meet the litigation liability of enhanced compensation to the land owners and also for the creation of additional staff, a sum of Rs. 15.00 lakhs has been provided for 1990-91.

Government Polytechnic for Women, Patiala :

10.44. Department has reported that the site for Polytechnic at Patiala had been procured and Construction activities thereon have also been started. Department intends to start classes from July next i. e. 1990. An allocation of Rs. 80.00 lakhs for the construction of functional building and also for the creation of requisite staff to run the Institution has been provided for 1990-91.

Government Polytechnic at Ferozpur :

10.45. 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 Institutions functional are likely to be provided by 1989-90, and 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, the scheme is admitted on the Plan side with a token provision of Rs. 1.00 lakh for 1990-91.

10.46. 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 the Seventh Plan. In order to start classes from the next session i. e. July, 1990, a sum of Rs. 3.00 lakhs has been provided for 1990-91.

10.47. New courses in the emerging technologies at various Government Polytechnics would be started at the cost of Rs. 41.00 lakhs during 1990-91.

Private Polytechnics :

10.48. The level of assistance to the Private Polytechnics to be achieved by 1989-90 would be transferred to Non-Plan side. New courses in the emerging technologies in various Private Polytechnics would, however, be started at the cost of Rs. 20.00 lakhs during 1990-91.

Government Engineering Colleges :

10.49. A regional Engineering College at Jalandhar has been made functional and classes therein have been started from the current academic session i. e. July, 1989. Under the terms and conditions for setting up a Regional Engineering College, state Government is required to provide land and 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 Governments. Department intends to purchase additional

50 Acres of land for the growth of college. A sum of Rs. 130.00 lakhs for the purchase of land/its development and also to meet 50% recurring expenditure has been provided for 1990-91.

Government Engineering College, Bathinda :

10.50. The Government Engineering College at Bathinda 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, this 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 has been provided for 1990-91.

Longowal Institute of Engineering and Technology :

10.51. With a view to perpetuate the memory of Late Sant Harchand Singh Longowal, Government of India 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 courses in this Institute would be started in a phased manner. In the first phase a diploma and 12 Certificate courses will be started. When necessary infrastructural facilities could be made available, classes at degree and research level would also be started. About 300 acres of land for setting up this Institution has already been acquired and acquisition of about 408 acres of land is stated 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 has been provided for 1990-91.

Institute of Entrepreneurial Development and Management :

10.52. Department has reported that the Government has decided to establish an Institute of Entrepreneurial Development and Management at Mohali or 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 purchase of land required for this Institution for 1990-91.

National Institute of Pharmaceutical Education and Research :

10.53. In order to create facilities for research work in Pharmacy, the National Institute of Pharmaceutical Education and Research is reported to be given to the Punjab State. The liability of the State Government would be to provide land and other infrastructure would be created with the assistance from the Central Government. In order to purchase land for this Institute, a sum of Rs. 100.00 lakhs has been provided for 1990-91.

Other Programmes :

10.54. New equipment/machinery as suggested for the Technical Teachers training institute, Chandigarh is being replaced in the existing Government Polytechnics to meet the changing Technological requirements. An allocation of Rs. 20.00 lakhs for this purpose has been provided for 1990-91.

10.55. The Government Polytechnics were set up 10 to 17 years back and since then no major campus developmental activities were undertaken. It is necessary to provide student amenities for sports, creative hobbies and cultural activities. For this purpose, an allocation of Rs. 20.00 lakhs has been provided for 1990-91.

10.56. 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.

10.57. Under the Sub-head of Development Sports and Youth Services the programme pertaining of youth Services, Sports and Physical Education D.P.I. (S), would be implemented at the proposed total cost of Rs. 106.14 lakhs.

Sports and Youth Services :

10.58. In order to involve students as well as non-students in the creative pursuits an allocation of Rs. 15.14 lakhs is being provided for 1990-91 against approved outlay of Rs. 71.17 lakhs provided for 1989-90. Expenditure upto the level of grant-in-aid to the Universities to be attained by the end of 1989-90 under the main Plan scheme National Services Scheme of the Youth Welfare Department would be transferred to the Non-Plan side in 1990-91. In order to meet the expenditure beyond that level, an allocation of Rs. 4.00 lakhs is being provided for 1990-91.

Youth Welfare Programme :

10.59. In order to derive maximum benefits from the large number of Youth activities and Welfare programmes conducted by different departments like Social Welfare, Rural Development and Panchayat, Industries and Employment, Health and Family Welfare, Education, Sports, Cultural, Public Relation and most of 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 Government Departments/Non-Government agencies to create various posts both at the District as well as State headquarters at the cost of Rs. 8.74 lakhs during 1990-91.

Direction and Administration :

10.60. In order to provide training and Administrative facilities department has proposed to establish a State Youth Training and Development Centre 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. 0.60 lakhs is being provided for running the training classes during 1990-91.

10.60. In order to provide training and Administrative facilities department has proposed to establish a State Youth Training and Development Centre 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. 0.60 lakhs is being provided for running the training classes during 1990-91.

10-61. With a view to engage the youth-both the students and non-students in the constructive pursuits six zonal level youth festivals of 3 to 4 days duration would be held at the cost of Rs. 0.50 lakhs during 1990-91.

10-62. The college/school students trained under various schemes of the youth Welfare cannot function effectively as a disciplines group unless one teacher from the same college/school is also trained to provide necessary leadership to the group. The teachers training camps of 10 days duration would be held at the cost of Rs. 0.05 lakh during 1990-91.

10-63. The other programmes such as youth leadership training, hiking-Trekking, mountaineering camps (Rs. 0.50 lakhs) grant-in-aid for schools and college youth clubs (Rs. 0.20 lakh), inter-State tours (Rs. 0.50 lakhs) and celebration of National Youth day/week (Rs. 0.05 lakh) would be implemented at the cost of Rs. 1.25 lakhs during 1990-91.

Sports :

10-64. An allocation of Rs. 50.00 lakhs, against the approved outlay of Rs. 496.60 lakhs provided for 1989-90 is being proposed for 1990-91. During the year, 1989-90, a sum of about Rs. 468.00 lakhs higher than the normal allocation was provided to creates infra-structural facilities and purchase of sports equipment for arranging the 3rd National Games in the State.

Coaching Scheme :

10-65. By the end of Seventh Five-Year Plan Coaching facilities were provided upto District Headquarters in almost all the Sports disciplines. Now the department intends to extend it 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 of the Coaching Centres @ Rs. 3 per day per player, atleast for 240 days in a year, would also be provided. Some staff at the district/state headquarters would also be created. An allocation of Rs. 20.00 lakhs for the implementation of this scheme is being provided for 1990-91.

Competition Scheme :

10-66. 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 intend to start 'Sunday Sports' at all Coaching Centres, where entry will be open to all interested players for taking part in various games. This scheme would be implemented at the cost of Rs. 7.00 lakhs during 1990-91.

Sports Equipments

10-67. Sports equipment is a basic necessity of the players but they cannot afford to have their own equipment because of high cost. For the new coaching centres proposed to be set up at the Sub-Divisional level a sum of Rs. 8.00 lakhs is being provided for 1990-91.

Sports Complex :

10-68. The work relating to the construction of sports Complexes has been entrusted to the Punjab State Sports Council. The Sports Department through the Sports 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 Government of India/Sports Authority of India extend matching grants for the construction of Sports Complex. A sum of Rs. 15.00 lakhs for the construction of Sports complexes is being provided for 1990-91.

Art and Culture :

10-69. An allocation of Rs. 339.00 lakhs, including Rs. 22.00 lakhs of District Libraries and Cultural activities of D.P.I. (C), is being provided under the sub-head of development of Art and Culture for the year 1990-91.

Direction and Administration

10-70. An allocation of Rs. 6.50 lakhs for the creation of various posts to strengthen various wing of Archaeology, Museum and Archive Department is being provided for 1990-91.

Promotion of Art and Culture :

10-71. The Plan scheme Revival of Folk Songs Dances would be implemented at the proposed cost of Rs. 7.00 lakhs during 1990-91. This amount would be utilised for the purchase of video/Audio Cassettes equipments/instruments, recording of folk songs and Revival of dying folk dances, preparation of Research Volumes on the folk forms already recorded and directory of artists, and other miscellaneous expenses.

10-72. For the promotion of Art and Culture the grant-in-aid/endowment is being given to the Institutions engaged in promotion of Punjabi Art and Culture after inviting applications against the specific projects to be undertaken by the respective societies/Institutions. An allocation of Rs. 35.00 lakhs is being provided under this scheme for 1990-91.

10-73. With a view to project the image of Punjab's culture, melas and festivals are organised inside and outside the state in a colourful manner. Drama competition and exhibitions are also organised under this scheme. Similarly cultural troupes would also be sponsored under the exchange of cultural troupes scheme launched by Government of India. A sum of Rs. 15.00 lakhs is being provided to implement this scheme during 1990-91.

10-74. Matter with regard to set up of Punjab Culture centre at the Plot of Nabha House, Sikandar Road, New Delhi remained under consideration since the Sixth Plan. Due to constraints on resources the Project could not be undertaken for construction. A token provision of Rs. 1.00 lakh again is being provided for 1990-91.

Archaeology

10.75. An allocation of Rs. 50.00 lakhs is being provided for the conservation of various protected monuments during 1990-91. The amount mainly would be utilised on the purchase of conservation material. The other Plan Schemes namely (i) Chemical conservation of Paintings (Rs. 2.00 lakhs), (ii) Excavation and exploration and publication of archaeological report (Rs. 8.00 lakhs), (iii) Modernisation of Chemical conservation Laboratory (Rs. 5.00 lakhs) and (iv) Strengthening of reference Library (Rs. 1.00 lakh) would be implemented at the total cost of Rs. 16.00 lakhs during 1990-91.

10.76. The Plan schemes pertaining to the Museum Department would be implemented at the cost of about Rs. 108.00 lakhs during 1990-91. Publication of leaflets, Brochures etc. would be carried out at the cost of Rs. 2.00 lakhs during 1990-91. An allocation of Rs. 3.00 lakhs is also being provided for the purchase of Photography material and equipment during 1990-91.

10.77. Under the Plan Scheme-Renovation/improvement and display in museums/galleries and allocation of Rs. 20.00 lakhs is being provided for the maintenance and improvement of 13 existing museums and galleries. Apart from this, another allocation of Rs. 80.00 lakhs is also being provided for the setting up of new museums in the state. The allocation under this scheme has been enhanced over the allocation of Rs. 52.00 lakhs of 1989-90 for setting up of a museum at the central place of the state for depicting the heritage of Punjab instead of having small units all over the state as these are more costly in terms of buildings, manpower etc. and do not create the desired impact as well.

Archives

10.78. An allocation of Rs. 83.00 lakhs, against approved outlay of Rs. 22.40 lakhs of the year 1989-90 is being made for the implementation of various Plan schemes of the Archives Department in 1990-91.

10.79. The Plan Scheme 'Modernisation and preservation of Archives' the objective of which is to examine records of various offices at district level and

to acquire the permanent ones for their proper preservation would be implemented at the cost of Rs. 2.00 lakhs during 1990-91.

10.80. The Plan Scheme 'Setting up of Cell at Amritsar for material relating to Maharaja Ranjit Singh', the objective of which is to collect material on Maharaja Ranjit Singh from various sources and concentrate them at one place for the facility of research scholars would be implemented at the cost of Rs. 1.00 lakh during 1990-91.

10.81. An allocation of Rs. 5.50 lakhs against approved outlay of Rs. 7.03 lakhs of the year 1989-90, is being provided for 1990-91 for the preservation of records on the modern scientific techniques under the modernisations of preservation techniques scheme. Some technical and trained staff would also be created for the proper preservation of the records.

10.82. Under the Plan Scheme 'Strengthening of State Archival Library' a sum of Rs. 1.50 lakh is being provided for the purchase of Books and for the creation of Post of Assistant Librarian during 1990-91.

Archival Building

10.83.—At the time of formulation of Annual Plan 1989-90, an allocation of Rs. 10.00 lakhs was provided for the construction of Archival Building in the state. Now the idea of construction of this buildings reported to be dropped as the central Record Room for which land is being acquired at Chandigarh would jointly be constructed by the Revenue and Archives Departments and accordingly would also shared jointly by both the departments. During 1989-90 instalments of the land amounting to about Rs. 25.00 lakhs would be given by the Revenue Department and during 1990-91 two instalments of the same amount would be given by the Archives Department. For the purpose of payment of two instalments and also to undertake the construction work of the building a sum of Rs. 63.00 lakhs is being provided for 1990-91.

10.84. The other two new schemes, namely: (i) Management of Records (Rs. 2.00 lakhs) and (ii) Maintenance, Micro Filming and editing of records/documents (Rs. 6.50 lakhs) would be implemented at the cost of Rs. 8.50 lakhs during 1990-91.

CHAPTER XI

SCIENCE AND TECHNOLOGY AND ENVIRONMENTAL PROGRAMME

A. Science and Technology.

The Department of Science and Technology was set up in 1983-84 in the State. In the absence of any implementing Agency/Directorate, the State Council for Science and Technology was established with a view to act as nodal agency for Science and Technology Policy, advice, Planning, Coordination and Providing Science and Technology activities within the State.

11.2. An expenditure of Rs. 104.84 lakhs has been incurred during the period 1985-89 and an outlay of Rs. 23.50 lakhs (revised) stands provided for 1989-90. An outlay of Rs. 99.00 lakhs is provided for the year, 1990-91. The schemes taken up under this programme are discussed as under:—

Scientific Research

Sponsored Science and Technology/Pilot Trials/Extension through approved Institutions in the State

11.3. The Punjab State Council for Science and Technology aims at to promote applied research needed for the perspective development of the State. A number of research projects have been initiated in the existing institutions in the State with the support of the Punjab State council for Science and Technology. The Council is directly associated with the research projects and funds the projects on the basis of its own observations and comments of the experts on the subject. The idea is to undertake projects on the applied side, which could be of immediate use in some area or the other. Upto 1989-90 the following schemes have been funded under this head:

1. Use of Terpenoides to raise wheat production in Punjab, P.A.U., Ludhiana.
2. Model of Land Water and Power Resources of Punjab, P.A.U., Ludhiana.
3. Studies on air water and soil borne pollution in Amritsar, G.N.D.U. Amritsar.
4. Paper free office for the Punjab State Council for Science & Technology.
5. Data bank on electronics.
6. Mapping and monitoring of salinity associated with water-logging using Remote Sensing Technology, Punjab Remote Sensing Centre, Ludhiana.
7. Qualitative & quantitative analysis of Paddy husk ash available in Punjab, P.A.U., Ludhiana
8. Geochemical survey of bedrock soil water interaction of environmental epidemiological and industrial significance in eastern Punjab, P.U. Chandigarh.

9. Allelopathic impact of sunflower on Punjab Crops, P.U., Chandigarh.

10. Study of irridium 192-Radio active isotopes in the treatment of head and neck cancer, PGI Chandigarh.

11.4. An expenditure of Rs. 60.20 lakhs is likely to be incurred during Seventh Plan. An outlay of Rs. 50.00 lakhs has been provided for the year 1990-91.

Use of Remote Sensing and Aerial Photography Technologies in Agriculture and Irrigation Sectors

11.5. The objectives of the scheme are as under:—

- (i) To estimate crop acreage based on pre-harvest data and test their accuracy.
- (ii) Establish empirical statistical relationship between yield and historical and agro-materological data.
- (iii) To arrive at production estimates, using remotely sensing acreage and yield from historical and agro-materological data.
- (iv) To suitably modify and upgrade the technology for crop production forecast.
- (v) To evaluate methodology alternatives for their suitability in an operational environment.

11.6. The Punjab Agricultural University, Ludhiana in collaboration with Space Application Centre, Ahmedabad has undertaken the project 'Crop Production Forecasting' 'Wheat' at a total cost of Rs. 50.99 lacs. The Space Application Centre would be contributing Rs. 22.72 lacs and the balance of Rs. 28.27 lacs is to be given by the State Government. Against this requirement of Rs. 28.27 lacs for this project Rs. 15 lacs have already been released upto March, 1989 and Rs. 5.00 lacs are being released in the year 1989-90 for the implementation of this programme. An outlay of Rs. 5.00 lakhs has been provided for the year 1990-91.

Support to Voluntary Organisations :

11.7. Voluntary Organisations can play a vital role in the implementation of Science and Technology programmes for the socio-economic development of the State. The voluntary organisations are engaged in a number of projects, like biogas plants and the implementation of Dairy Extension Programmes. It is necessary to support them for developing proper infrastructure to run the projects and coordinate their activities by providing catalytic support. An outlay of Rs. 6.00 lakhs has been provided for the year 1990-91.

Technical Secretariat for the Punjab State Council for Science and Technology

11.8. The Punjab State Council for Science & Technology has been established in the State. The Technical Secretariat is headed by an Adviser and is supported by 4 Directors, 3 PSOs and 5 SSOs at present. The scientific staff functions through supporting administrative staff. The expenditure on the technical staff like Directors, PSOs and SSOs is being met by Department of Science & Technology Government of India. The Council proposes to have its complete strength of scientific staff in a phased manner and it is envisaged that 4 Directors, 6 PSOs, 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 expenses and other miscellaneous expenditure have to be provided. The supporting staff required to serve the scientific staff will also increase to some extent and the expenditure on this account is being met by the State Government. An outlay of Rs. 13.00 lakhs has been provided for 1990-91.

Science and Technology Entrepreneurship Park (STEP) :

11.9. STEP is mainly intended to encourage Science and Technology and engineering graduates to become job generators instead of job seekers and establish science based enterprises in areas where the academic institutions have shown a high degree of excellence and leadership. STEP will help in creating a suitable environment where industry, research and education could interact intimately and innovative and creative ideas could be translated into commercial and useable products. In Punjab it is being set up at Guru Nanak Engineering College, Ludhiana in collaboration with the Government of Punjab and the Government of India. The total cost of the project is Rs. 200 lacs with participation from various bodies as under:—

Agency	Amount in lacs
IDBI Loan	.. 50
IDBI Grant	.. 55
DST Grant	.. 20
Nankana Sahib Education Trust	.. 25
PSCST (Pb. Govt.)	.. 50
	200

11.10. The work on Building/land development has been taken in hand. PSTC on its part has released Rs. 13.00 lakhs for this project upto 1989-90. An allocation of Rs. 10.00 lakhs has been provided for 1990-91.

Promotion and Development of Co-generation

11.11. The term co-generation refers to the sequential production of electricity and process heat from a single fuel. The objective of this scheme is to promote and to catalyse the development of cogeneration in the State.

11.12. Cogeneration potential in Punjab is conservatively estimated to be in excess of 500 MW. It would appear appropriate to develop the large agro-residue/waste for Power potential in the State. Considering the proposed industrial expansion of the State into agro-based industries which would require both process heat and electricity, co-generation is considered as an essential development. The steps to be taken would include :

- (i) Provide information and guidance to potential co-generators through publicity materials, workshops etc.
- (ii) Provide subsidy for specific techno-economic studies. This incentive would be limited to 50% of the study cost or Rs. 57,000 whichever is less.
- (iii) Monitor co-generation development with a view to identifying problem areas and to remove the bottle necks. This would include undertaking assessment studies, as required.

The bulk of funds for plan installation would be arranged by the respective plant/facility owners. An amount of Rs. 5.00 lakhs has been provided for the Annual Plan 1990-91.

Energy Conservation and Management :

11.13. The objective of the scheme is to promote energy conservation and energy management in different use sectors such as agriculture, industry and transportation etc. by promotion of energy awareness, energy audits/ studies and energy conservation measures. It is estimated that average energy utilisation efficiency in Punjab is about 25% as compared to 55% to 60% in the developed countries. The steps to be taken would include :

- (i) Promotion of energy awareness through publicity campaign.
- (ii) Energy audits/studies in the select user categories.
- (iii) Promotion of energy conservation measures in concert with other on going schemes such as industrial modernization, replacement of inefficient agricultural pump sets, etc.

An allocation of Rs. 5.00 lakhs has been provided for the Annual Plan 1990-91.

Technology Assessment (Energy) and Energy and demand assessment :

11.14. The overall objective of energy resources and demand assessment is to have the realistic data for energy resources and demand by identification of different energy resources being utilized in the State, future growth/depletion trends of these resources, energy demand and future growth trends including fuel-wise and sectorwise distribution and summary report of the overall picture in the State. An allocation of Rs. 5.00 lakhs has been provided for this scheme for 1990-91.

Ecology and Environmental Programmes :

11.15. The State Government has constituted the Punjab State Environmental Board and Programme Committee on Environment. The Board and Committee will study the various environmental issues, identify problem areas and advise the State Government about the steps to be taken for maintenance, upgradation and management of environment in an integrated manner. An expenditure of Rs. 97.64 lakhs has been incurred during the period 1985-89 and Rs. 34.80 lakhs (revised) stands provided for 1989-90. An outlay of Rs. 57.50 lakhs has been provided for 1990-91 out of which Rs. 12.00 lakhs under the scheme 'Giving support to District Environment Committees' have been transferred to the districts. The State level outlay for the Ecology and Environment programmes thus would be Rs. 45.50 lakhs. The schemes covered under this programme are as under :—

Support to Voluntary Organisations (Environment)

11.16. Environment pollution has become a great health hazard. Atmosphere is being polluted by smoke and effluents of various industries located in the towns. It is a felt need to provide the people of the State with a clean environment. It has been recognised that voluntary organisations can play a vital role in creating necessary awareness among the people for the preservation of environmental values. Some organisations have come forward and started doing work for the upgradation of environment. It is felt that some State assistance may be provided to the voluntary organisations. An outlay of Rs. 6.00 lakhs has been provided for 1990-91.

Providing one Number Mobile Waste Water testing Laboratory

11.17. Mobile laboratories are of immense use in carrying out on the spot studies of the water samples. These laboratories have the following advantages :

- (1) Various significant parameters of water trade/sewage effluents are analysed accurately on the spot.
- (2) Cost of transporting the samples from far away places to the Central Laboratory of the Board is reduced.
- (3) Characterisation and environmental impact of studies of various industries/process is conducted efficiently and accurately.
- (4) Efficacy and efficiency of effluent treatment plants is conducted.
- (5) On the spot study can be made in case of accidental pollution.

11.18. A Mobile laboratory is already in operation. An expenditure of Rs. 15.50 lakhs has been incurred during the Seventh Plan period on the purchase, equip and maintain the mobile laboratory. An outlay of Rs. 3.50 lakhs has been provided for 1990-91 for the running and maintenance of the mobile laboratories including glassware etc.

Providing Ambient Air Quality Monitoring Stations :

11.19. In order to implement the standards for emissions for motor vehicles and cover other air polluting activities, the State Pollution Control Board shall have to declare certain cities or part thereof as air pollution control areas. This can be done only after the pollution Control Board monitors the quality of air in all sensitive and highly polluted areas so as to justify the declaration of such areas as air pollution control areas. The Board has set up 25 Ambient Air Quality Monitoring Stations. An expenditure of Rs. 25.50 lakhs has been incurred upto 1988-89. An outlay of Rs. 8.50 lakhs (revised) stands provided for the operation and maintenance of these stations during 1989-90. An outlay of Rs. 10.00 lakhs has been provided for 1990-91 for the same purpose.

Providing of staff to assist Member-Secretary State Level Coordination Committee and Member Secretary State Competent Authority :

11.20. The Punjab Government in the Department of Science and Technology and Environment has constituted a State Level Coordination Committee for management of Hazardous Chemicals and Prevention and Management of Chemical accidents. The State Government has also constituted a State Competent Authority for clearance of sites from the environmental angle. The Member-Secretary of the Board has been nominated as Member Secretary of the State Level Coordination Committee and State Competent Authority. To deal with the work of State Level Coordination Committee and State Competent Authority, technical and administrative personnel are required. An outlay of Rs. 1.00 lacs is provided for the year, 1990-91 to meet the expenditure for technical work pertaining to State Level Coordination Committee and State Competent Authority.

Monitoring of Rivers and tributories to determine the water quality in land surface water in Punjab :

11.21. In order to take steps for restoration and conservation of Harike Lake and to carry out studies regarding the quality of river water in the State the pollution Control Board in joint participation with the National Environment Engineering Research Institute, Nagpur and Punjabi University, Patiala has formulated this scheme with a total cost of Rs. 25.50 lakhs. The scheme aims at to monitor the progress of respective departments, regarding the steps taken for Planning and methodology adopted for control of water pollution in the rivers of the State. An outlay of Rs. 5.00 lakhs stands provided for the year, 1989-90. A similar allocation has been provided for 1990-91.

Upgradation of Central Laboratory of the Pollution Control Board at Patiala :

11.22. The Punjab Pollution Control Board has been assigned the task of preservation and restoration of the environment. The implementation of the various schemes requires testing of the samples for a number of activities like monitoring of industrial effluents and emission, river and ground water monitoring, ambient air quality monitoring and soil testing etc. For this, the Board has set up a

Central Laboratory at Patiala which is equipped with all the instruments required for the routine analysis. The Board has now procured an Atomic Absorption Spectrophotometer and is in the process of procuring other instruments like Gas Chromatograph and Water Purification system. The increasing accuracy and efficiency required in the analysis demands that the laboratory be equipped with many more sophisticated instruments like Ion Chromatograph, T.O.C, TLC, HPLC to make its working more efficient. The instruments will be purchased gradually at the rate of 3 to 5 instruments in a year. An allocation of Rs. 2.00 lakhs has been provided for 1990-91.

Assessment of Soil Pollution by industrial effluents :

11.23. The increasing industrialization has led to the pollution of soil through the discharge of effluents by the industrial units. The effluents discharged by the industrial units contain many toxic chemicals, minerals, acids 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 while others may add to the toxicity of the soil and may also be taken up by the plants growing in such contaminated soils.

11.24. The Punjab Pollution Control Board proposed to undertake an assessment of the soil pollution being caused in the State due to industrial effluents and domestic sewage. The total expenditure is estimated to be Rs. 17.17 lacs. An allocation of Rs. 1.00 lacs has been made for 1990-91.

Setting up three regional laboratories at Ludhiana, Jalandhar and Amritsar ;

11.25. The Punjab State Pollution Control Board in the discharge of its functions is required to test the

quality of effluents, emissions and solid wastes being discharged or disposed of by an industry. Based on this analysis, the Board imposes conditions on the industry to instal appropriate water and air pollution control equipment. The Board is also required to test the treated effluents and emissions before they are disposed of into inland surface waters, on the land or into the atmosphere. Though the Board maintains a well equipped laboratory at its Head Office but this single laboratory is not sufficient. The industry in the State has been complaining that they have to travel long distances to get their emissions and effluents tested and have requested that laboratories should be set up at the headquarters of the regional offices. As such the Board proposed to set up regional laboratories at Ludhiana, Jalandhar and Amritsar. Each laboratory requires nearly Rs. 12.5 lacs for land, building and the minimum essential equipment. The total cost of the scheme to be executed in three years is Rs. 37.50 lacs. An allocation of Rs. 7.00 lacs has been provided for 1990-91

Time targetted action plan to deal with most polluted areas in the State :

11.26. 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, fertilizer plants, metal industries, distilleries, leather industries, agro-based industries etc. in these areas. All these cities also have major commercial and other urban activities. As a result of these industrial and urban activities, these towns are the most polluted areas in the State. A scheme is proposed to be implemented 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. An allocation of Rs. 10.00 lakhs has been provided for 1990-91

CHAPTER-XII

Medical and Public Health

As a matter of overall strategy of development for this sector, the improvement in the quality of health services will get precedence over the expansion programmes. In order to make use of the already made investment the major thrust during the Annual Plan 1990-91 will be on Completion of on-going construction works, removal deficiencies in building, machinery and equipment in the existing institutions. The gaps between the the availability of health facilities as also its quality in rural urban areas will be narrowed down. An allocation of Rs. 1981.50 lacs has been provided for the implementation of various places schemes of the Medical and Health Department during the year 1990-91. Out of the total allocation of Rs. 1981.50 lac, an amount of Rs. 1147.45 lac has been devoluted to the District Plans scheme and the remaining amount of Rs. 834.05 lacs has been kept at the State level for the implementation of plan schemes which are to implement as state plan schemes during the year 1990-91.

D.R.M.E.

Against the anticipated expenditure of Rs. 592.00 lakh for the year 1989-90, an outlay of Rs. Rs. 577.00 lakh is being provided for the implementation of various plan schemes of Directorate of Research and Medical Education for the Annual Plan 1990-91. MD 5.1 Strengthening of Office of D.R.M.E.

An allocation of Rs. 1.00 lakh is being provided for the year 1990-91 for the strengthening of the office of Director, Research and Medical Education by creation of the posts of Joint Director of the rank of professor in U.G.C. grade, one post of Assistant Director Nursing alongwith supporting staff. MD 5.2 Expansion and Improvement of M.C. Amritsar.

Under this scheme an outlay of Rs. 6.00 lacs has provided for the creation of staff one post of Asstt. Prof. orthopadic (Arthoscopy), one post of Assistant Professor orthopadic (Trauma) Senior Lecturer Neonatology. One post of Professor for Blood Transfusion, one Assistant Professor, Senior Lecturer for orthopadic Trauma Unit are proposed to be created and for the purchase of Machinery and Equipment for these units for Medical College Amritsar for the year 1990-91. MD 5.3 Expansion and Improvement of M.C. Patiala.

Under this scheme an allocation of Rs. 29.00 lakh has been provided for the creation of one post of Professor in Blood Transfusion one post of Professor of cardiology and one post of Assistant Professor to Trauma Trauma Unit and for the purchase of Machinery and Equipment for these Units. A sum

of Rs. 25.00 lakh is proposed for construction of Girls Hostel in Medical College, Patiala. MD 5.4 Expansion and Improvement of G.G.S. Medical College, Faridkot.

Under this scheme an allocation of Rs. 180.00 lakh has been provided for the year 1990-91. Out of this, an outlay of Rs. 20.00 lakhs has been earmarked on the revenue side for the creation of posts purchase of Machinery and Equipment and material and supplies etc. The department of Radiotherapy has not so far been set up in this college although this is one of the essential requirement of Medical Council of India. It is proposed to set up this department during the year 1990-91 and a sum of Rs. 7.00 lakhs has been proposed for the creation of one post of Professor Assistant Professor-1, one Senior Lecturer, Registrar 2 and other para medical staff, Rs. 5.00 lakhs is proposed for material and supplies and Rs. 8.00 lakh is for Machinery and Equipment etc. A sum of Rs. 160.00 lakh has been set aside on the Capital side, for the execution/completion of the following on-going/new works of the G.G.S. Medical College Faridkot:—

On Going Works

1. Construction of Principal's residence.
2. Construction of O.P.D. Block
3. Construction of Porch Block.
4. Construction of Approach Road from Ram Bagh to Hospital, Complex in G.G.S. Medical College, Faridkot.
5. Construction of Road from Hospital to Medical Supdt. Office in G.G.S. Medical College, Faridkot.
6. Construction of cycle stand in boys Hostel in G.G.S. Medical College, Faridkot.
7. Construction of Girls Hostel in G.G.S. Medical College, Faridkot.
8. Estimate for additions and alterations in Toilets Between Block-I, II and III at Ground Floor and first floor and III floor G.G.S. Medical College, Faridkot.
9. Construction of Diagnostic Block.
10. Revised Rough cost estimate for the construction of Nurses Hostel in G. G.S. Medical College, Faridkot.

11. Providing Arboriculture Operations in G.G.S. Medical College, Faridkot.
12. Construction of 1300 Sq. ft. Area House (2 Nos.) in G.G.S. Medical College, Faridkot.

New works

1. Construction of overhead water Reservoir in the Hospital.
2. Installation of 100 K.V. Generator in the Hospital.
3. Construction of Compound wall around the Boy Hostel.
4. Construction of approach Road to the additional Toilet Block and Nurses Hostel.
5. Construction of No. 1000 Sq. ft. area house.

MD 5.5 Expansion and Improvement of Dental College and Hospital, Amritsar:

An outlay of Rs. 10.00 lakh has been proposed for the purchase of Machinery and Equipment, Material and Supplies for the replacement of obsolete machinery and equipment during the year 1990-91, and for the creation of Department of Orthodontics for starting N.D.S. classes in this institution.

MD 5.6 Expansion and Improvement of Dental College and Hospital, Patiala:

An allocation of Rs. 60.00 lacs (including Rs. 30.00 lacs for capital component) has been provided for the year 1990-91. During the year 1989-90 this college has been upgraded to an independent Dental College and Hospital at the pattern of Dental College and Hospital, Amritsar. In order to meet the requirements of Dental Council of India, plans for the construction of separate building has already been approved by the Government and the rough cost estimates at a total cost of Rs. 161.00 lakh have already been approved. For the Annual Plan 1990-91, Rs. 30.00 lakh has been earmarked for the construction work and remaining amount of Rs. 30.00 lakh on the revenue side has been provided for the creation of additional staff as per norms of Dental Council for India and for the purchase of adequate Machinery and Equipment, Material and Supplies and other establishment items of expenditure.

The details of the proposed staff are given below:—

1. Professor	One
2. Assistant Professor	Two
3. Demonstrator Lecturer	Four
4. Assistant Professor Anesthesia	One
5. Dental Surgeon	Two
6. Staff Nurse	One

7. Dental Mechanic	One
8. Librarian	One
9. Peon	One
10. Sr. Scale Stenographer	One

Details of Machinery and Equipment to be purchased are given below:—

1. Micro-Surgery Unit.
2. Mobile Dental Clinic.
3. Laboratory Gas Equipment.
4. Air-Conditioners for O.T. and clinics.
5. Chair-Mounted Dental Units.

MD 5.8 Grant of Applied Research:

The proposals are invited from interested research scholars of the State Medical/Dental Colleges and 2 Private College i.e. Daya Nand Medical Colleges Ludhiana and C.M.C. Ludhiana to undertake the research work in the medical field. An allocation of Rs. 2.00 lakh at current year level is being provided for, the year 1990-91 for the continuation of research works.

MD 5.1 Re-orientation of Medical Education:

In the Annual Plan 1990-91 a sum of Rs. 10.00 lacs and the 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 future doctors who are sensitive to the needs and problems of rural areas and unprivileged sections of the society and who are mentally turned to deliver comprehensive health care. This scheme is being implemented in 9 Primary Health Centres, 3 each attached with the Medical College, Amritsar, Patiala and Faridkot. During the 6th Five Year Plan period only one Primary Health Centre each of Faridkot and Amritsar was taken up for the construction of faculty/students hostel. The construction work has yet to be completed at 2 Primary Health Centres in Amritsar, 3 Primary Health Centres in Patiala. During the current year, the construction work at 3 Primary Health Centres in Amritsar district and one Primary Health Centre in Patiala and one Primary Health Centre in Faridkot District is likely to be completed. The Government of India had also given one time grant of Rs. 14.79 lakhs in December 1979 for each of the 3 State Medical Colleges and 2 Private Medical Colleges i.e. Daya Nand Medical College, Ludhiana and Christian Medical College, Ludhiana to make this scheme more comprehensive and valuable in the rural areas.

MD 5.10 Expansion and Improvement of S.G.T.B. Hospital, Amritsar installation of CAT Scanning machine at SGTB Hospital, Amritsar :

An outlay of Rs. 210.00 lakh (including a capital component of Rs. 30.00 lakh) has been provided the

Annual Plan 1990-91. A sum of Rs. 160.00 lacs has been set aside for the purchase and installation of CAT Scanning Unit and the remaining amount of Rs. 20.00 lakh has been earmarked for the creation of posts, purchase of material and supplies and other expenses and for the creation of staff for the Engineering workshop.

MD 5.11 Expansion and Improvement of Rajindera Hospital, Patiala,

An allocation of Rs. 5.00 lakhs has been provided on the revenue side. Out of this a sum of Rs. 3.50 lakh is earmarked for the creation of posts required to run the CAT being purchased by the close of the current year 1989-90 and the remaining amount is for the purchase of machinery and Equipment, material and supplies etc.

MD 5.12 Expansion and Improvement of G.G.S. Hospital, Faridkot.

An allocation of Rs. 25.00 lakhs has been provided on the revenue side for the Annual Plan 1990-91. The Staff created during the Sixth Five Year Plan and continued during the 7th Five Year Plan has been transferred to Non-Plan side. The proposed amount is for the purchase of Machinery and equipment (Rs. 2.00 lakhs) during the year 1990-91 and creation of staff for central sterilisation and laundry Plant and for Anaesthesia and Para-medical staff for 4 new Operation theatres.

MD 5.13. Expansion and Improvement of T.B. Sanitorium Amritsar:

An allocation of Rs. 7.00 lakh (including Rs. 5.00 lakh) for capital content has been provided for the year 1990-91. A sum of Rs. 5.00 lakh has been earmarked on the capital side to be utilised to complete the on going works i.e. Administration Block, Car Garage Scooter Cycle Stand and Kitchen. The remaining amount of Rs. 2.00 lakh has been provided on the revenue side (Rs. 0.50 lakh for the creation of the following posts to make up the deficiency in the existing staff:—

- | | | |
|-------------------------|----|-----|
| 1. Matron | .. | One |
| 2. Assistant | .. | One |
| 3. Laboratory Attendant | .. | Two |
| 4. Sr. Lab. Technician | .. | One |
| 5. Peon | .. | Two |

A sum of Rs. 1.50 lacs has been provided for the purchase of Refrigerated centrifuge, Radio-meter and Birds ventilator.

MD 5.14—Expansion and Improvement of T.B. Centre Patiala:

An outlay of Rs. 7.00 lakh has been provided for the year 1990-91. Out of this a sum of Rs. 2.00 lakh is set aside on the revenue side and Rs. 5.00 lakh is an capital side for construction works out of Rs. 2.000 lakhs proposed on the revenue side, a sum of Rs. 1.5

lakh has been proposed for purchase of Radio-meter Birds ventilators and Refrigerators. The remaining amount of Rs. 0.50 lacs has been earmarked for the creation of one post of Bio-chemist and four class-IV posts during the year 1990-91.

MD 5.16 Setting up of B.Sc. Nursing College at Medical College, Amrisar and Patiala:

This is a entirely new scheme and the department intends to set up a schools of nursing at Guru Gobind Singh Medical College, Faridkot. The main objective of the setting up of the above nursing school in addition of the existing two schools at Medical College, Amritsar and Medical College Patiala is keeping in view the additional requirements of nursing staff not only in the Medical Colleges allied Hospitals but also in the other Hositals/Dispensaries/Primary Health Centres all over the State. As per recommendation of the Indian Nursing Council a school of Nursing can be set up with an annual in take of 20 students. The requisite building for the opening of nursig school will be fearly made avialable by the department. An allocation of Rs. 10.00 lacs has been provided on the revenue side for the creation of minimum staff re-quired and for machinery and equipment etc. during the year 1990-91.

MD 5.16. Setting up of B.Sc. Nursing College at Medical College, Amritsar and Patiala:

This is entirely a new scheme. During the Annual Plan 1990-91 this department intends set up one B.Sc. Nursing College at Medical College, Amritsar and one at Medical College, Patiala respectively. This course comprises of two years. duration. In the Punjab State so far no B.Sc. Nursing School has been established by the Government. At present the Punjab State has the following Nurse Registered with the Nursing council:—

1. Senior A Grade .. 1024 Men 18354 Women
2. Junior A Grade .. 16516 Women only.

The above figures are available from the records of central Bureau of Health Intelligence, Government of India. At present the B.Sc., Nursing Course in the Northern Area is only available either at P.G.I. Chandigarh or All India Medical Science Institute, New Delhi. In order to provide well trained Nursing Staff in the state Medical Colleges and allied hospitals as well as the other hospitals and dispensaries of the State, the B.Sc., nursing Course is a necessity of the State. This course is limited to in service Nursing Staff.

a. The objective of this scheme is to develop the ability to recognise and utilise opportunities for informal health education. To acquire an understanding of the basic principal and method of health education and develop an ability to communicate with others. An allocation of Rs. 10.00 lakh has been provided for the year 1990-91 for implementation of this scheme.

PH. 1.2. Strengthening of School Health Clinics/ Programme.

It is needless to emphasize the importance of medical check up of Primary and Middle School Children. The programme of Medical check up of school going children was launched all over the state with effect from 1st August, 1981 with existing medical and para medical staff of PHCs and Civil Hospitals. Though the Medical check-up of the school going children is being conducted by the Medical Officers posted in the Govt., Institutions in the State. The school health Clinics at Patiala, Sangrur, Bathinda and Kapurthala were strengthened as per staffing pattern approved by Govt. of India and new School Health Clinics in the remaining 6 districts namely-Gurdaspur, Ferozepur, Faridkot, Jalandhar, Hoshiarpur and Ropar were established in the phased manner during 7th Plan, so as to have a uniform pattern of services under school Health Programme in the State.

At the State head-quarter, this programme is being looked after by the Assistant Director, Health Education in addition to his normal duties without any supporting ministerial staff. Since the school Health Clinics are functioning in all the 12 districts, resulting in maintenance of Statistical record/reports, for exercising financial and administrative control in the implementation of School Health Programme, it is essential to have the following set of ministerial supporting staff namely one Assistant, One Clerk, One English Typist, One Driver, One Peon and One Chowkidar for the successful implementation of the programme. The proposal break-up of Rs. 10.00 lakhs provided during 1990-91 is salary of staff Rs. 1.15 lakh, purchase of vehicle Rs. 2.00 lakh and rest of money is for PCL and other office expenses.

PH. 1.1. Employees State Insurance Scheme (1/8th State Share)

To provide health services to the workers in the organised sectors, a sum of Rs. 5.00 lakh has been provided as 1/8th Share of the State Govt., for the year 1990-91 for the implementation of E.S.I. Scheme in the State.

PH. 1.8. Providing/Opening of Psychiatric Clinics at District Level Hospitals.

The recent 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. 3.00 lacs is provided during 1990-91 to establish/provide Psychiatric Clinics at Civil Hospital Gurdaspur and Ferozepur.

PH. 3.5. Continuing Education of PHC/Rural Health Staff (50:50 sharing basis)

Under this scheme, the para-medical staff working in the PHCs/ Rural area of the State is proposed to be given reorientation training in batches after every 3-5 years of selected training schools/Centres in order to update their knowledge and improve their skill. The funds for the additional building are likely to be

provided by Government of India, in full while recurring expenditure, on salary, stipend etc. is shareable on 50:50 basis. A sum of Rs. 6.00 lacs is provided for the year 1990-91 as 50% State share for this purpose.

PH. 6.1. (b) Training of Doctors in Hospitals Management and Administration and in-service training courses, seminars and workshop as recommendation of Sandawalia committee and Printing of Medical Manual for Doctors.

During the graduate Training Course, the doctors are imparted training only on the clinical aspects of the medical care of the patient. They are not given any training in management and Administration. In the absence of proper training in Management and Administration, the doctors are seen to be handicapped in properly running the medical Institutions. The lack of above said training/trainings opportunities to doctors is a handicap in proper functioning of various health institution/programmes in the State. This aspect was taken note of by the Sandhawalia committee, who advised to provide greater avenues to doctors for attending Seminars, Workshops, Conferences and other managements trainings.

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, For these above said purpose a sum of Rs. 15.00 lakhs has been provided during 1990-91.

PH. 6.3. National Malaria Eradication Programme (Urban) Anti-larvel (50:50 sharing basis).

In order to control malaria in towns with a population more than 40,000 at present 13 towns are under anti-larvel measures. In these towns all the water collections are treated with larvicides on weekly basis.

During the year 1990-91 it is proposed to take up Eight additional towns for this purpose. A sum of Rs. 20.00 lakhs is provided on this account as 50% share for payment of salary of the staff, purchase of M.E. and larvicides etc.

PH. 6.4. National Tuberculosis Control Programme

This is a recommendation of Govt. of India to create an additional District T.B. Centre where population has exceeded more than 2 million only one district out of the 12 district in the Punjab State viz., Amritsar has fulfilled this criteria. There is a proposal to create an additional district T.B. Centre at Taran-Taran (Distt. Amritsar).

Besides there is a proposal for expansion of State T.B. Cell. It is proposed to renovate/reconstruct 100 bedded T.B. Hospital at Sangrur and provide these the requisite facilities. A sum of Rs. 22.00 lacs is provided during 1990-91 as 50% share of State Government of Rs. 20.00 lacs on the revenue side and 12.00 lacs on the capital side. Out of Rs. 10.00 lacs on the revenue side Rs. 3.00 lacs is proposed for additional staff for

the existing T.B. Cell at the State headquarter and purchase of one motor vehicle and POL charges.

PH. 6.5 National Programme for the Control of Blindness-Opening of District eye Mobile Units.

Strengthening of Ophth. Cell at the Directorate level and provision of an Ophth. Assistant in Sub-Divisional Hospital (50 bedded).

At present the post of Eye surgeon is provided only at District Hospitals. There is no post of Eye Surgeon at Sub-Divisional Hospital or at PHC. Ophthalmic Assistants are provided at P.H.C. level and at District level hospitals. There is no facility for providing even preliminary services regarding ailments at sub-divisional hospitals. During the year 1990-91 it is proposed to provide posts of ophthalmic assistants in four, 100 bedded hospitals (Civil Hospitals Mansa, Barnala, Abohar and Pathankot) and 29 Civil Hospital (50 bedded) in the State. The likely expenditure on provision of these posts as also machinery equipment and medicine is likely to be 7.50 lacs. It is proposed to strengthen the Ophthalmic Cell at the State head-quarter during 1990-91 by providing one post of Superintendent, Two Assistant, two clerks, one Driver and one peon, office furniture etc. The likely exp. on this account will be Rs. 2.50 lacs. Thus Rs. 10.00 lacs have been provided as 50% of State Share of this account.

P.H. 6.6 Expended Programme on Immunisation.

Immunisation of infants, school children and pregnant mothers with potent vaccine/vaccines against the diseases preventable by immunisation according to the disease they are likely to suffer is one of the major activity of the department. Govt. of India has provided the required equipment for storage of vaccines at requisite temperature cold chain equipment. The maintenance of Cold Chain equipment is the responsibility of State Government. In order to ensure this, it is necessary that some spare parts like compressors thermostate relay and gas filling equipment is kept available as these are usually required. A sum of Rs. 2.00 lacs has been provided during the year 1990-91.

PH. 6.7 Hospital Treatment of Diarrhoeal Diseases Oral Re-hydration Therapy.

Diarrhoea in Children in the age-group of 0.5 years 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 re-hydration. Under this scheme, it is proposed to procure O.R.S. Power packets for distribution through health functionaries working in the field. A sum of Rs. 3.00 lacs is provided during 1990-91 for purchase of Oral Rehydration salt packets.

P.H. 6.9 Strengthening of Drugs Control Organisation.

The Drugs Control Programme aims at ensuring quality drugs to the ailing masses. To achieve this end, samples are drawn from various establishment and are got tested in State Drugs Laboratory

Chandigarh. This programme is controlled and supervised by the State Drugs Controller, under the Health and Family Welfare Punjab. The State Drugs Controller is assisted by two Assistant Drugs Controllers licensing Authorities (Civil Surgeons) for in the field. In order to enforce the provision of the Drugs and Cosmetics Act, 1940. and other allied enactments/rules. The Hathi Committee constituted in this behalf by the Central Government recommended the division of the State into Zones.

The Committee is also fixed the norm for the appointment of Drugs Inspectors in the State. According to the recommendations made one Drug Inspector is required for every 25 Manufacturing Units and for the State of Punjab 62 Drug Inspector against the sanctioned strength of 14 are required to be sanctioned. Taking into consideration the above norm and need of the time a proposal to strengthening the State Drug Control Organisation was got included in the Seventh Five Year Plan. But in view of the financial crises faced by the state Government, the scheme could not be sanctioned during the proceeding year of the Plan. During the year 1990-91, a sum of Rs. 15.00 lacs has been proposed for the implementation of this scheme.

It is proposed to utilise these funds for the creation of more posts of Drug Inspectors as also establishment of Zonal Offices headed by the Assistant Drug Controllers in the State.

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 is proposed for strengthening of district hospitals, laboratories at District Hospital Ferozepur, Sangrur, Kapurthala, Hoshiarpur, Ropar and Jalandhar during the year 1990-91. One Senior Laboratory Technician is to be provided for the strengthening of these laboratories.

PH 6.13 Strengthening of Excise Laboratories

The following laboratories at present are engaged in the analysis of sample of Exciseable articles and that of Medico legal 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 Medico-legal samples are analysed in the State only at the State Analytical Laboratory under the charge of Chemical Examiner to Government Patiala. The Laboratories at Bhatinda and Jalandhar

are primarily meant for analysis of food samples. Since the existing laboratories 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.

In order to cope with the work with existing Laboratories it is essential that these laboratories may be strengthened with men and machineries. It is proposed to include this scheme in the 8th Five Year Plan. During the year 1990-91, a sum of Rs. 6.00 lakhs has been proposed for strengthening of State Excise Laboratories.

PH.6.8 (a) Opening of Mobile Food Testing Laboratories

In the State of Punjab at present the following food testing laboratories are functioning :—

1. State Food testing Laboratory, Chandigarh.
3. Food Testing Laboratory, Jalandhar.
3. Food Testing Laboratory, Bhatinda.

For the successful implementation of the year Prevention of Food Adulteration Programme in the State, it proposed to establish atleast two mobile food testing laboratories at the places other than the places mentioned above for which a sum of Rs. 5.50 lacs has been proposed to be incurred during the year 1990-91 for the establishment of these laboratories.

PH 6.14 Strengthening of State Health Education Bureau

The State Health Education Bureau was established is granted to seceptors of sterilisation out of State resources at the rate of Rs. 50 per case of sterilisation in addition to motivation and incentive provided by Government of India. A sum of Rs. 65.00 lacs is being proposed during the year 1990-91 on this count.

PH 6.13 (a) Creation of Goitre control cell in the Directorate

Goitre is an endemic disease caused due to deficiency of iodine in the body. This causes enlargement of thyroid gland in the neck. Iodine deficiencies during pregnancy results in irreversible developmental defects in the developing foetus 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 Cell in the Directorate is proposed for the following purposes :—

- (1) Survey of the whole state especially 9 Districts excluding Gurdaspur, Hoshiarpur and Ropar.
- (2) Coordination between Food and Civil Supplies Department to ensure supply and sale of only iodized salt.
- (3) Educate people regarding prevalence of Goitre and the importance of using iodized salt.

- (4) To conduct resurvey 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-cum-typist, One Driver Peon at an estimated cost of Rs. 5.26 lacs during 1990-91.

PH 6.15 (a) World Bank Aided Project-Training and Manpower Development

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 and residential accommodation. It is possible only through a well organised training programme followed by regular and systematic inservice 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.

The total expenditure for the first year of the 8th Plan is expected to Rs. 218.15 lacs out of which Rs. 106.23 lacs will the capital Component has been provided for the World Bank Assistance Project of Training and Manpower Development for the year 1990-91.

PH 6.16 (a) Cell for monitoring and Co-ordination of Plan and Non-Plan Schemes of D.H.S.

There has been tremendous expansion in the health facilities both in the rural as also in urban areas of the state. The number of health institutions has increased 8 to 10 times since 1970, but unfortunately there has been no expansion/addition to the staff working in the office of Director Health Services and also in the Civil Surgeons Offices. As a result of this proper and effective coordination monitoring and evaluation of various schemes (Plan and Non-Plan)/ activities of the Department cannot be made. In order to streamline the functioning, it is proposed that additional staff comprising of :—

1. Joint Director	1
2. Supd. Gr. 1	1
3. Sr. Accountant	1
4. Clerks-cum-typists	5
5. Assistants	5
6. Peons	1

be created in the office of Director, Health Services, Punjab. A sum of Rs. 4.00 lacs has been provided during 1990-91 for this purpose.

Ayurvedic

AY 2.1 Strengthening of Administration at Directorate level

An outlay of Rs. 1.00 lakh has been provided for the strengthening of Ayurvedic Headquarters staff during the year 1990-91.

Homoeopathy

HM 2.1 Strengthening of Headquarter staff

Prior to 1980 Homoeopathic dispensaries in the State were looked after by the Ayurvedic Department in May, 1990 a separate Department of Homoeopathic came into existence. At that time there were 20 Homoeopathic dispensaries in the State. During the Sixth Five Year Plan 30 more Homoeopathic dispensaries were opened. During 7th Five Year Plan, 35 Homoeopathic dispensaries and one 10 bedded cancer and skin diseases Homoeopathic Hospital at Jalandhar have been established. Thus at present there are 85 dispensaries and one 10 bedded Cancer and Skin diseases Homoeopathic/Hospital functioning in the State.

When the new Department came into existence the following staff was provided at the Headquarters :—

1. Assistant Director, Homoeopathy	One
2. Superintendent Grade -III	One
3. Assistants	Two
4. Clerks	Two
5. Steno	

This staff is inadequate to meet the requirement of the department for the development of Homoeopathic System of Medicines in the State. One post of Deputy Director with adequate supporting staff are absolutely necessary. At present there is no telephone at the Headquarter. Two telephones (one the office and one at the residence) are absolutely essential for efficient functioning of the Department. An outlay of Rs. 1.00 lakh has been provided for the year 1990-91.

HM 2.7 Publication of Homoeopathic literature in Regional Language (Punjabi)

For the development/popularisation of Homoeopathic System of Medicines, availability of relevant literature in the mother tongue of the people is a prerequisite. It is proposed to undertake the following activities under this scheme.

- (i) Preparation of English/Punjabi Glossary/Dictionary of teaching terms.

- (ii) Transplantation of standard books in Punjab.

- (iii) Preparation of original books in Punjabi in Homoeopathy.

The scheme would be implemented through Punjab State University Text Book Board. An outlay of Rs. 1.00 lakhs has been provided for the Annual Plan 1990-91.

HM 2.8 State Institute of Homoeopathic Education and Research

For proper development of Homoeopathic system it is proposed to set up a State Institute of Homoeopathic Education and Research. At present there are two privately managed Homoeopathic Medical Colleges in ten state (one at Ludhiana and one at Abohar) These institutions are privately managed and run course for Diploma of Homoeopathic Medicine and Surgery (DHMS). The proposed State Institute of Homoeopathic Education and Research will be affiliated to Punjabi University, Patiala and would undertake the following activities :—

- (i) Teaching :

The Institute will run following course :—

- (a) Degree Course in Homoeopathic Medicine and Surgery
- (b) Graded Degree Course for Homoeopathic Physicians having DHMS.
- (c) One Year Course for Homoeopathic Dispensaries.

- (ii) It is proposed to establish a 100 bedded Hospital attached to the Institute for the practical training.

- (iii) Research :

The Institution would serve as a centre of Research in Homoeopathy. Special emphasis would be laid on research schemes dealing with peculiar problems of some areas of the State like sub-mountainous Kandi areas and Southern Districts of the State.

- (iv) Manufacturing/Preparation of Homoeopathic Medicines.

It is proposed to set up a Unit in the Institute for manufacturing Homoeopathic Medicines. This would give a boost to the production of Homoeopathic Medicines and would also serve the training needs of students undergoing Education/Training in the Institute.

- (v) Expansion services :

The Institute would have a strong extension wing which would undertake activities for imparting Health Education and aware to the masses.

In the Annual Plan 1990-91 a sum of Rs. 15.00 lacs has been provided for purchasing the land for the establishment of Institution. The land for the Institution measuring about acres would be required

CHAPTER XIII
WATER SUPPLY AND SEWERAGE

All the schemes have been shifted to districts

CHAPTER XIV

URBAN DEVELOPMENT AND HOUSING

Urban Development :

The migration of population from rural areas to urban areas has increased manifold due to the economic development of the State. In 1981 census, the population of the State was 1.66% crores which is expected to increase to 200.00 lacs in 1991. It is estimated that the trend of the urban population has increased slowly i.e. 23.7% of the total population in 1971 and this trend of urban population growth will be 44% during the period 1981-91. The annual increase in the urban population will be 210.00 lacs. This trend has increased due to industrialisation and more employment opportunities and more public benefits of civic amenities. The State Government has set up a number of urban estates in the State but no facility has been provided in the urban estates due to financial constraints. The approach during the 8th Plan Period would be adopted after identifying the emerging pattern of urbanisation in Punjab. In order to check disequilibrium between the pace of urbanisation and urban facilities/civic amenities, a provision of Rs. 4075.00 lacs has been made for various schemes of urban development during the 7th Plan Period (1985-90), which together with funds from institutional/municipal and other sources should achieve substantial results. During the year 1990-91, a sum of Rs. 4472.00 lacs has been provided for the sub-head of development out of which devolution of funds to the Districts amounts to Rs. 3542.00 lacs. The detail is given as under :—

Urban Estates :

14.2. The development of urban estates involves the acquisition and development of land by providing infrastructure facilities and basic civic amenities. To speed up the development by availing institutional finance and making the scheme self-financing the State is considering to constitute an Urban Development Authority. For coordinated acquisition and development of land activity in the urban areas of the State, a token provision of Rs. 1.00 lacs has been provided during the year 1989-90. The State Government could not set-up Urban Development Authority during 1989-90. Therefore, a sum of Rs. 5.00 lacs has been provided to constitute the 'Urban Development Authority' in the State during the year 1990-91.

14.3. The Department of Urban Development has 605 acres of land at S.A.S. Nagar which is semi-developed and 405 acres of land is undeveloped land which is available at Ludhiana-106, Bathinda-73, Patiala-310 acres at the end of the 7th Five-Year Plan. It has been decided to resort to fresh acquisition on a very modest scale during the 7th Plan Period. Accordingly, an outlay of Rs. 2800.00 lacs has been provided for the scheme UD-1 "Urban Estates" during the 7th Five-Year Plan for acquisition

of 375 acres of land and for development of 1,100 acres of land (including land scaping and augmentation of water supply in S.A.S. Nagar and for meeting the anticipated decretal liability of already acquired land). An amount of Rs. 595.00 lacs has been provided to develop the already acquired land at various places in the State during the year 1990-91 and it has been decided not to acquire new land during the year 1990-91. A sum of Rs. 250.00 lacs has been provided for the payment of enhanced compensation and Rs. 30.00 lacs has been provided mainly for the payment for super-structure during the year 1990-91. A sum of Rs. 50.00 lacs has been provided for environmental improvement of slums in the Urban Estates for the year 1990-91.

Housing :

The provision of shelter for the shelterless is crucial to the development and improvement of the quality of life of inhabitants of the State. The major task before us is to reduce substantially the number of absolutely shelterless people and to provide conditions for the others to improve their housing environment. There is a need for improving the slums such as drinking water, street lights, pucca drains, public urinals, pavement of streets etc. so that the benefits of the development must reach to the economically weaker sections of the society. In order to check further deterioration under the housing shortage, top priority in allocation of funds under this sector has been given in the Annual Plan 1990-91. To boost construction activities. Under this sector, institutional finance from the HUDCO and LIC is being raised to supplement the provision in the State Plan. An outlay of Rs. 3093.56 lacs has been provided for the sub-head of development "Housing" for the year 1990-91 out of which, devolution of funds to the Districts amounts to Rs. 503.00 lacs. The detail of important schemes are given as under :—

Houses for Government Servants :

14.13. A sum of Rs. 20.81 lacs has been provided under the plan Scheme HG1.1 "Government Residential Buildings for Government Employees posted at District/Tehsil Headquarters" to make the HUDCO repayment liability during the year 1990-91. The loan was taken for the construction of Residential Buildings for Government employees at Sangrur.

14.14. There is a growing demand of House Buildings advance for the Government servants for the construction of their own houses. A provision of Rs. 349.00 lacs has been provided for the construction of houses during the year 1990-91. A sum of Rs. 150.00 lacs has been provided for repair of Houses/Purchase of plots/built-up houses for the year 1990-91.

14.15. An outlay of Rs. 175.00 lacs has been provided for the construction of houses for Ministers/Speaker/Deputy Speaker/M.L.As etc. (Ministers/Speaker-Rs. 100.00 lacs + Rs. 75.00 lacs for M.L.As) during the 7th five Year Plan (1985-90). During 1985-86, an expenditure of Rs. 5.25 lacs was incurred for construction of houses for M.L.As. During 1986-87, Rs. 31.40 lacs was expended for provision of loans to Ministers/Speaker/Deputy Speaker and Rs. 25.95 lacs for M.L.As. etc. During 1987-88, an expenditure of Rs. 2.80 lacs was expended for provision of loans to Ministers/Speaker/Deputy Speaker and Rs. 19.20 lacs was expended for loans to M.L.As. etc. During 1990-91, an outlay of Rs. 30.00 lacs has been provided for provision of loans for the construction of houses to Ministers/Speaker/Deputy Speaker and a sum of Rs. 20.00 lacs has been provided for providing loans for the construction of Houses to M.L.As.

Houses for Rural Homeless :

14.16. This scheme was covered under the Revised Minimum Needs Programme. This Programme accords high priority for the provision of house-site assistance for the construction of houses for rural homeless workers. About 3.00 lacs families of landless workers mostly belonging to S.C. were allotted free house-sites each site measuring 100 Sq. Yds. in the rural areas of the State. The work regarding the construction of houses on these sites was undertaken by the Housing Board in 1978 in order to supplement the individual efforts of the beneficiaries. During the 7th Five Year Plan (1985-90), an expenditure of Rs. 1154.79 lacs was incurred and the Housing Board completed the construction of 24198 houses upto March, 1985.

During 1989-90, an outlay of Rs. 53.11 lacs has been provided for meeting the HUCDO loan repayment liability on this account. A sum of Rs. 32.55 lacs has been provided for meeting the HUDCO loan repayment liability on this account for the year 1990-91.

Loans for LIG/MIG Houses :

14.19. This scheme is financed by LIC/DIC of Government of India. Under the LIG Scheme, loans are sanctioned to individuals, whose income does not exceed Rs. 7200/- per annum. The maximum limit of loan is Rs. 25,000 or 80% of the cost of the house, whichever is less. Under the MIG Housing Scheme, loans are sanctioned to individuals, whose income does not exceed Rs. 7,200 per annum but is less than Rs. 25,000 per annum. The maximum loan limit is Rs. 25,000 or 80% of the cost of the house, whichever is less. For better implementation of the scheme during the 7th Plan period, the houses are proposed to be got constructed through the Punjab Housing Development Board, which would supplement the funds available under the scheme with HUDCO loan assistance.

14.20 During 7th Five Year Plan (1985-90), an outlay of Rs. 100.00 lacs has been provided for the benefit of 1000 persons in the State under LIG Scheme and Rs. 70.00 lacs for the benefit of 350 persons falling under MIG category. An expenditure

of Rs. 9.00 lacs was incurred during 1985-86 for the benefit of 94 persons under the LIG Scheme. On receipt of LIC loan of Rs. 279.00 lacs for this purpose, an outlay for both LIG/MIG Schemes was revised. For effective implementation of the programme, an amount of Rs. 277.00 lacs was provided to PHDB for undertaking construction of these houses according to the terms of loan sanctioned by LIC/GIC. The balance amount of Rs. 20.00 lacs was allocated to the D.Cs. in the State for advancing loans to individual beneficiaries. During 1990-91, a sum of Rs. 70.00 lacs has been provided for advancing loans to 700 persons under the LIG and a sum of Rs. 80.00 lacs has been provided for providing loans to 400 persons under the MIG Scheme. The provision under this scheme will be reviewed on receipt of LIC loan during 1990-91.

Village Housing Project Scheme :

14.21. This scheme was introduced by the Government of India during 1958-59 for expanding financial assistance to the people living in rural areas for construction of houses. Under this scheme, loans are advanced to the needy persons subject to a maximum of Rs. 5,000 per house.

During the 7th Five Year Plan (1985-90), an outlay of Rs. 100.00 lacs has been provided to provide financial assistance to 2000 persons for construction of houses in rural areas of the State. An amount of Rs. 10.00 lacs was expended for the benefit of 200 persons under this scheme during 1987-88. An Expenditure of Rs. 80.00 lacs was incurred for granting loans to additional 1600 persons during 1987-88. During 1988-89, an expenditure of Rs. 80.00 lacs was incurred for advancing loans to 1600 persons under this scheme. An outlay of Rs. 150.00 lacs has been provided for advancing loans to 3000 persons under this programme during 1989-90. An outlay of Rs. 50.00 lacs has been provided to cover 1,000 beneficiaries. during 1990-91. The provision under this scheme will be reviewed on the receipt of the LIC loans during 1990-91.

14.22. The board came into existence in May, 1973. Since there is no provision of share capital contribution to the Board in the PHDB Act, 1972, the Board is provided assistance by way of diversion for additional construction of various categories of houses e.g. EWS, LIG, MIG and HIG etc. The Housing Board in addition raised institutional finance for this purpose and meets the liabilities of principle and interest for payment of financial institutions like HUDCO out of advanced deposits/recoveries from the applicants/allottees. An outlay of Rs. 500.00 lacs has been provided during the 7th Five Year Plan (1985-90), as loan assistance to the PHDB for construction of 500 LIG, 1000 MIG, and 2000 HIGH under various social housing schemes in order to reduce the acute shortage of housing accommodation in the State.

A sum of Rs. 80.00 lacs has been provided for the construction of houses for various categories with HUDCO loan assistance during 1990-91.

14.23. The Government has decided to allocate free LIG houses to the registered migrants, widows and destitutes. For this purpose, a sum of Rs. 64.55 lac

was provided to the PHDB for meeting cost of construction of 600 houses during the year 1986-87. An additional amount of Rs. 53.62 lacs was expanded for meeting the 25% cost on account of allotment of 500 LIG houses to the registered migrants on concessional terms during 1987-88. An outlay of Rs. 22.85 lacs was repayment of monthly instalments on account of allotment of free LIG houses and Rs. 9.66 lacs for allotment of 500 LIG houses on concessional terms to migrants has been provided during 1988-89. During 1989-90, an outlay of Rs. 5.04 lacs for repayment of monthly installments on account of allotment of free 600 LIG houses and Rs. 22.85 lacs for repayment of monthly instalments for allotment of 500 LIG houses on concessional terms to migrant has been provided. During 1990-91, an outlay of Rs. 22.85 lacs for the repayment of monthly instalments on account of allotment of free LIG houses to the Registered Migrants/Widows/Destitutes, and Rs. 5.04 lacs has been provided for repayment of monthly instalments for allotments of free 500 LIG houses on concessional terms to the migrants.

Police Housing :

14.24. The State Government has constituted Puniab Police Housing Corporation for the construction of houses for Police/Police Stations and Other allied works relating to the Police Department. A sum of Rs. 10.00 crores has been provided for the

Police Housing for the Year 1990-91. The detail is given as under:—

	(Rs. in lacs)
1. Repayment of principle and interest of loan raised for Police Housing Scheme	148.00
2. Construction of 1400 new houses for Upper/Lower Subordinates	700.00
3. Construction of barracks for 600 men	13.00
4. Purchase of new land	58.50
5. To complete spill-over works	20.00
6. Construction of 6 Police Stations i.e. PS-Ropar, PS-Boha, PS-Barretta, PS-Ludhiana & PS- Kotwali, Patiala.	60.00
Total—1	1000.00

14.25. The detail in respect of the Scheme HG 5.1 "Housing Cooperatives" are given in chapter relating to the sub-head (Cooperation).

14.26. A sum of Rs. 172.00 lacs has been provided for the construction of 25 houses of Type-7 & 25 houses of Type-6. These houses would be constructed through the Puniab Housing Development Board. The entire cost of these houses would be met by the State Government. As it would not be possible to seek financial assistance from the HUDCO as the cost for these houses is more than the HUDCO ceiling of Rs. 2.75 lacs per house. Therefore, an outlay of Rs. 172.00 lacs has been provided for the year 1990-91.

CHAPTER XV

WELFARE OF S.Cs, S.Ts AND OTHER B.Cs

Scheduled Castes and Backward Classes together constitute more than one third of the State's population. As per 1981 census, S.C. population alone account for 26.87 per cent. This is perhaps the highest percentage for any State in villages, while the remaining S.C. population 19% lives in urban areas. Among agricultural labour force 53% are S.Cs and hardly 7% are cultivators who are mainly small and marginal farmer and share-croppers. Others are engaged in traditional occupations such as weaving, shoe making, flayering tanning, sweeping, scavenging and construction labour.

2. Socio-economic profile of Sch. Castes on the basis of 1981 census is given below:—

	(in lacs)		
	Rural	Urban	Total
1. SC population (No)	36.67	8.45	45.12 (4511703 26.87%)
2. SC households (No)	6.16	1.42	7.58 (757920 27.61%)
3. SC Literates (No)	8.34	2.42	10.76 (1076315 23.86%)
	1971	1981	
(a) SC Male Literacy (%)	22.99%	30.96%	
(b) SC Female Literacy (%)	8.10%	15.67%	
4. Male and Female Literacy (%)	16%	23.86%	
5. SC Cultivators (No)	8.83	0.04	0.87 (87210 1.93%)
6. SC Agricultural Labourers (No)	7.41	0.45	7.86 (785908 17.42%)
7. SC Household Industries Workers (No)	..	..	0.42 0.93%
8. SC other works (No)	..	..	3.95 8.75%
9. SC Marginal Worker (No)	..	..	1.52 3.37%
10. SC Non-workers (No)	..	..	30.50 67.60%

Note :—Percentage figure in bracket indicate % to total SC population.

3. Augmentation to a greater extent in outlay 1990-91 has been made under this sub-head for strengthening the programmes of education, social betterment and economic development of down-troddens. An outlay of Rs. 1360.00 lakhs in 1990-91 against outlay of Rs. 700.00 lakhs in 1989-90 has been provided. Out of Rs. 1360.00 lakhs, Rs. 257.60 lakhs (19%) have been set aside for the schemes to be implemented at State level. Most of these schemes are of 50 : 50 sharing and training schemes. Scheme-wise detail is given in the following paragraphs.

4. Share Capital Contribution to PSCFC and BACKFINCO :

Punjab Scheduled Castes Land Development and Finance Corporation (PSCFC) and Backward Classes Land Development and Finance Corporation (BACKFINCO) are two corporations functioning in the State with the primary objective of undertaking the schemes for improving the deplorable economic and social conditions of S.Cs. and B.Cs. Both these corporations promise and finance only income generating programmes by providing loans at nominal rates.

5. In 1990-91, Rs. 153.00 lakhs and Rs. 80.00 lakhs have been provided to PSCFC and BACKFINCO against their outlays of Rs. 51.00 lakhs and Rs. 10.00 lakhs in 1989-90 for these purposes respectively. Both these corporations provide direct loaning to the beneficiaries and meet administrative/over head expenses out of their share capital contributions. Besides, PSCFC will implement new schemes like purchase of Agricultural Land, Financing of Transport Vehicles, Setting up of subsidiary Co. and Matching Assistance for Staff and Promotional Activities etc. out of share capital contributions.

Loaning Programme of PSCFC and

Year	PSCFC		
	Authorised Capital (Rs. in lacs)	Paid up Capital (Rs. in lacs)	Direct Loan (No. of Ben.)
1	2	3	4
1971-72 to 1974-75	500.00	412.00	6,399
1975-76 to 1979-80	1000.00	600.00	12,531
1980-81 to 1984-85	2000.00	1950.00	5,036
1985-86 to 1989-90	3000.00	1809.43	3,926
1990-91	3000.00	1954.00	1,500

Publicity to Mobilise the Public Opinion against terrorism in Punjab”.

I.P.2.4 Song and Drama Services :

17.6. The media of songs and drama services makes a useful impact on the masses. Against the anticipated expenditure of Rs. 4.00 lacs during the year 1989-90, an outlay of Rs. 10.00 lacs has been proposed for the year 1990-91. The break-up of expenditure is proposed as wages Rs. 2.50 lacs, Office expenses Rs. 1.15 lacs, Machinery and Equipment Rs. 2.00 lacs and Material and Supplies Rs. 0.35 lacs, and Salaries Rs. 4.00 lacs.

I.P.2.5 Light and Sound :

17.7. Transferred to Non-Plan side.

I.P.2.6 Purchase and Production of Literature :

17.8. Under this scheme, the Department publicises the achievements of the State Government through this media producing booklets leaflets, posters, pamphlets etc. The department proposed to strengthen this wing with post of one P.R.O., one A.P.R.O. and one Proof Reader. An allocation of Rs. 5.00 lacs has been proposed for the year 1990-91.

I.P.2.7 Community Listening :

17.9. Scheme dropped.

I.P.2.8 Television Scheme :

17.10. An outlay of Rs. 5.00 lacs has been proposed for the year 1990-91 under 'Television' scheme. Under this scheme, the department will subsidise the purchase of T.V. sets through village Panchayats especially in the Border Areas and the Weaker Sections of the society. It is intended to install more T.V. sets during the year 1990-91. The break-up of expenditure is proposed to Rs. 0.66 lacs for office expenses, Rs. 4.00 lacs for Machinery and Equipment, Rs. 0.24 lac for Material and Supplies and Rs. 0.10 lac for other expenditure.

I.P.2.9 Exhibition including Exhibition Boards :

17.11. Under this scheme, small departmental exhibition are organised on

important occasions festivals in which penals, models and charts of achievements of the Government are displayed. Beside this, Exhibition Board participates in the India International Trade Fair by setting up Punjab Pavillion at New Delhi every year. Against the anticipated expenditure of Rs. 20.00 lacs for the year 1989-90, an outlay of Rs. 23.00 lacs has been proposed for the year 1990-91.

I.P.2.10 Wall Paintings and Hoardings :

17.12. The allocation under the Wall Paintings and Hoardings has been proposed as Rs. 0.50 lacs for the year 1990-91.

I.P.2.11 Purchase of Books for Library at Headquarters :

17.13. A sum of Rs. 0.40 has been proposed for the scheme "Purchase of Books for Library at Headquarters" for the year 1990-91 against the anticipated expenditure of Rs. 0.20 lacs during the year 1989-90.

I.P.2.12 Feed Back Studies :

17.14. A sum of Rs. 0.10 lacs has been proposed under the Plan Scheme 'Feed Back Studies' for the year 1990-91 in order to ascertain the response of audience to the various programmes.

I.P.2.13 Strengthening of Department of Public Relations :

17.15. A sum of Rs. 0.10 lacs has been proposed under the Plan scheme Strengthening of Department of Public Relations' for strengthening of the Directorate at the last year's level.

I.P.2.14 Setting up of Colour Laboratory :

17.16. To feed the departmental Magazines and Newspapers of National Level, a Colour Laboratory would be set up at Chandigarh state Headquarters at a cost of Rs. 2.00 lacs. For the purchase of equipment and other allied material Rs. 1.00 lacs under S.O.E. Material Supply Rs. 0.50 lacs under salaries and Rs. 0.50 lacs under Office Expenses have been proposed for the year 1990-91,

I.P.2.15 Loans to Small Newspapers for Setting up Printing Presses :

17.17. The Small Newspapers would be subsidised the interest on Loans for setting up Printing Presses in the State. An outlay of Rs. 0.10 lacs has been proposed for the Annual Plan 1990-91.

Share Capital Contribution to the Punjab Film and News Corporation :—

17.18. A sum of Rs. 25.00 lacs has been provided during the 7th Five year Plan as share capital contribution to the Punjab Films and News Corporation to meet some of the pending liabilities. An allocation of Rs. 5.00 lacs is proposed for the year 1990-91.

PRINTING AND STATIONERY

Against the anticipated expenditure of Rs. 345.14 lacs for the Seventh Five Year Plan, a sum of Rs. 224.47 lacs is being proposed for the implementation of various schemes of the Printing and Stationery Department during the year 1990-91. The Scheme wise brief is given as under :—

P.T.1.1 Strengthening of Stationery, Publication and Forms Section-Creation of Inspection Cell.

The scheme envisages streamlining the distribution of printed forms amongst various Department/Offices and to check wastage and extra vagency in the printing/supply of forms. These Inspectors would visit the various Departments of the Punjab Government to assess their accurate requirement of forms and would at the same time guide the concerned staff to exercise maximum economy in this respect so as to avoid wastage. An outlay of Rs. 1.70 lac has been proposed under this scheme for the year 1990-91.

P.T.2.1 Machinery and Equipment for Ticket Printing Press, Patiala.

With a view to print the Punjab Roadways Bus Tickets a Rotary Ticket Printing

Machine with automatic numbering device cutting and slitting was installed at Patiala more than 15 years back. This Machine runs in two shifts and print about 30 crore number of Bus tickets of various depots/denominations, in a year. In spite of maximum production being taken from this machine about half of the total demand of Punjab Roadways Bus tickets is got printed from Private Presses. This results in huge burden on the State exchequer, so to avoid this extra expenditure a new machine is proposed to be purchase during the 8th Five Year Plan 1990—95 with the installation of this machine the entire demand of Tickets of the Punjab Roadways and Pepsu Roadways Corporation is expected to be printed in Government Press. An allocation of Rs. 76.00 Lacs has been proposed under this Scheme for the year 1990-91.

P.T.2.2. Purchase of Machinery and Equipment for Government Press, SAS Nagar.

In accordance with the Original Scheme, cost of the entire project consisting of Printing Machinery and allied equipment only including the indigeneous and imported machinery was for Rs. 1.08 Crores, Machinery worth Rs. 61.55 lacs was purchased and installed at Government Press, SAS Nagar during 6th Five Year Plan. It was targeted to complete the project for a procurement of entire machinery during the 7th Five Year Plan with the funds to the tune of Rs. 46.45 lacs. But funds amounting to Rs. 9.05 lacs only were provided/utilized for the purchase of machinery during first 4 year viz. 1985-86, 1986-87, 1987-88 and 1988-89 and there is little hope for the provision of entire balance funds during remaining year of 1989-90. For completing the balance project a sum of Rs. 35.00 lacs is required during the year 1990-91 for the procurement of machinery and equipment to be installed at Government Press, SAS Nagar. A two colour offset Machine with accessories proposed to be purchased is imported one and it will cost about Rs. 35.00 lakh. Thus an outlay of Rs. 35.00 lakh has proposed under this scheme for the purchase of machinery and equipment for Government Press, SAS Nagar (Mohali) during the year 1990-91.

P.T.2.3. *Additional Staff and Material to Run the Government Press, SAS Nagar.*

Printing Machinery which already stands installed and proposed to be installed during coming year, required material such as paper, inks and processing material etc. as well as Operational and ministerial staff required to feed and run the press. In the near future, with the already high productivity installed machinery and stream lining the production work and by adding more staff, yearly expenditure will increase. The proposal of staff for the machinery installed and proposed to be installed was 196 technical and ministerial posts. During the 6th Five Year Plan 1980—85 and 7th Five Year Plan 1985—90 only 77 Technical and ministerial posts were filled and sanctioned and have been transferred to Non-Plan. The remaining 119 posts are yet to be created/filled during the eighth Five Year Plan 1990—95 for operating the already installed machinery. An outlay of Rs. 80.00 lacs has been proposed under this scheme for the year 1990-91.

P.T.3.1. *Construction of Government Press further extension by constructing similar block paralalled to the existing block towards Chandigarh Ropar Road. constucted are a 15,000 to 20,000 Sq. feet with a provision of basement-basement area 138" × 72'—Check post and visitors Room at Government Press, SAS Nagar Premises.*

Present block of the building which was basically designed and constructed for processing and printing of Roadways passenger bus tickets which was a limited activity in the sphere of printing. Consequently, very limited machinery was to be installed at Government Press, SAS Nagar for this purpose, as per original scheme. Subsequently this limited scheme of ticket printing press had converted the press into a general press in order to under take all sort of printing work involving latest printing technology. This was due to multiple developmental State activities. Present building designed as indicated above has a very limited storage capacity for paper. Store material and printed products. High productivity machinery equipped with latest

technology printing machinery installed at new printing press requires a lot of paper and printing material to feed it.

2. For this purpose a new block of building paralalle to the existing block towards Chandigarh Ropar Road with a provision of basement having storage capacity about 10,000 Sq. feet with a provision of three No's halls and officers room etc., for ministerial staff is proposed to be constructed during the year 1990-91. Estimates for these works are yet to be supplied by the P.W.D. B&R Punjab. However rough cost of these works is estimated about Rs. 20.00 lakh, An outlay of Rs. 20.00 lakh has been proposed under this Scheme for construction works of Government Press, SAS Nagar (Mohali) during the year 1990-91.

P.T.3.1(A) PENDING LONG EXECUTION/CONSTRUCTION WORKS FOR PUNJAB GOVERNMENT PRESSES PATIALA

The following construction works for Punjab Government Presses Patiala are pending long execution:—

- (i) Construction of covered Hall for Storing waste paper and trimming etc.
- (ii) Construction of Check Post.
- (iii) Construction of Boundary wall around the Press Residential houses in Press colony.
- (iv) Construction of residential houses in Government Press Colony Patiala.
- (v) Installation of New Tubewell in Punjab Government Press Patiala.
- (vi) Providing Tarfelt treatment of folded roofs of different halls in Punjab Government Presses, Patiala.
- (vii) Construction of New Building for Dispensary.
- (viii) Construction of Scooter/Moped Stand.

All the above works are of important nature and without which any damage to costly machinery may occur. Particularly boundary wall around the press residential colony is necessary because the vacant land which is part and parcel of the Colony is being usurped by the public and Court cases are instituted at different level. The whole job is required to be completed within a five years plan at a total cost of Rs. 42.50 lacs. The funds will be placed at the disposal of Chief Engineer, PWD, B&R., Patiala for execution. During the year 1990-91, a sum of Rs. 8.50 lacs has been proposed under this scheme.

P.T.32. Apprenticeship Training to Typewriter Mechanics.

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 Government Department or opening of their own Typewriting venture to earn livelihood after completion of training. Each apprentice is given Rs. 100 as stipend per month. A total outlay of Rs. 0.60 lacs has been made in the 7th Five Year Plan 1985-90. This scheme is to be continued and be carried over to next five year plan 1990-95 with a total outlay of Rs. 0.60 lacs. Under this scheme 10 Typewriter Apprentices are imparted training every year. During the year 1990-91, a sum of Rs. 0.12 lakh is proposed to be provided.

P.T.3.3. One Instructor for imparting training to Typewriter Apprentices.

Uptil now the work relating to impart training to apprentices is being carried out by the Head Machinic of the Central Typewriter Workshop, Chandigarh. But by opening Typewriter Workshops at each District Headquarters at the State Capital the work in the Central Typewriter Workshop has increased. To run the Apprenticeship training to apprentices at Chandigarh to cost the avenue of self employment programme and also to remove the future scarcity of Typewriter Mechanics one Instructor is essential in the scale of Rs. 1,200-2,100 for imparting Training to Apprentices. During

the year 1990-91 a sum of Rs. 0.15 lakh is proposed to be provided. Thus a total provision of Rs. 0.27 lacs is proposed to be provided during the year 1990-91.

P.T.3.4. Plain Paper Copier, Electric Typewriter and Duplicating Machines—Mechanics are required in the Central Typewriter Workshop at Chandigarh.

With the introduction of electronic typewriter and Plain paper copier in Punjab Government Offices with a view to modernization of office set up—mechanic for servicing and repairing of the said machines are required after the expiry of warranty period. This system is also being introduced at District Level also. The following posts of mechanics are required in this scheme:—

	No. of Post	Pay Scale
(1) Mechanics for plain paper Copier	One	1,500-2,640
(2) Electric Typewriter Machine Mechanic	One	1,500-2,640
(3) Duplicating Machine Mechanics	15	950-1,800

The total scheme will cost Rs. 17.00 lacs on salaries, T.A. Medical Reimbursement and Material and Supplies. With the inclusion of this scheme the expenditure which was incurred for calling a private mechanic will be stopped the rates of which are always on a higher side. During the year 1990-91 a sum of Rs. 3.00 lacs is proposed under this Scheme.

PLANNING MACHINERY

17.17. 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;

The Plan Coordination Division undertakes the coordination work relating to Planning. All the Divisions consist 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. Inservice 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 workshop on state Planning and participation in conferences on Planning.

In order to carry out the above programmes and to implement the following schemes, an outlay of Rs. 25.72 crore is approved for 1990-91.

P.M. 1.1 Strengthening of Planning Machinery in the State :

It is proposed to create a computer cell, because Planning Department has been declared as a Nodal Agency for introduction of computerisation in State Government Offices. 2/3 of total expenditure on these posts will be reimbursed by the Government of India. Besides, the posts already sanctioned will be carried over to 1990-91. An outlay of Rs. 26.50 lakhs has been approved for 1990-91. In addition to the expenditure incurred on various posts, the provision will also take care of expenditure incurred on rent of the building, staff cars etc.

P.M. 1.2 Planning Machinery at District Headquarters :

The Scheme Planning Machinery at District Headquarters is required to be further strengthened by posting staff from Punjab State Planning Board. Because significant amount of Rs. 255.50 crores has been set apart of the Annual Plan Budget 1990-91 as block devolution of funds to the districts. The scheme pertaining to different sub heads of development included in the Annual Plan 1990-91 will be implemented at grass root level by the District Planning Boards. As such a sum of Rs. 32.50 lakhs has been approved for the following staff:—

1. Joint Directors	3
2. Research Officers	12
3. Stenotypists	15
4. Peons	15

P.M. 1.3. Consultancy and Technical Services on Pilot Basis:

The Scheme has been introduced 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 1990-91 against anticipated expenditure of Rs. 1.00 lakh during 1989-90.

P.M. 1.4. Quick Survey and Studies

A scheme 'Quick Survey and Studies' has been introduced 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 1990-91 against the similar provision during 1989-90.

P.M. 1.5. Formulation of District Plan:

(i) Planning Machinery at District level has been strengthened during 1987-88 by posting a class-I Officer in each district with supporting staff. The District Planning Boards have been reconstituted and they have initiated the exercise for formulation of District Plan. In order to implement the decision of the State Government allocation of untied funds for each district have been made in the plan 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. An outlay of Rs. 24.00 crores has been approved for 1990-91 against the provision of Rs. 14.47 crores during 1989-90.

(ii) The various plan schemes have been classified in two categories viz. state sector and district sector on the basis of location and coverage of benefit. The schemes under district sector mainly include programmes of agriculture and allied sectors, village and small scale industries, rural development, transport, social services, etc.

A provision of Rs. 231.50 crores has been set apart out of the Annual Plan

budget, 1990-91 as block devolution of funds to the districts. The schemes pertaining to different sub-heads of development has been included in the Annual Plan 1990-91 for implementation at gross root level by the district authorities.

The allocation of funds of different schemes/works will be approved by the District Planning Board. In order to avoid delay in implementation, the sanctions will be issued by the Chairman of the District Planning Board. The execution of works will be carried out by the concerned department through local bodies/Panchayati Raj or any other Government/Semi Government Agency already functioning in the district in order to ensure quality and minimum cost of the work. Its districtwise allocation has been given in the annexure A to Chapter XXI, "District Planning".

P.M. 1.6. Introduction of Computerisation in the Punjab Government Offices :

This scheme was introduced in the Annual Plan 1988-89 with a provision of Rs. 50.00 lakh. A provision of Rs. 50.00 lakh has been made for the year 1989-90. A sum of Rs. 100.50 lakh has been approved for 1990-91 to finance new computerisation proposals as well as to meet the spill-over requirements of computerisation projects initiated during the previous years. Funds under the schemes 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 year 1990-91 successfully.

The requirement for the various Departments for the purchase of Computer hardware/software and allied equipment will be met from the funds provided under this scheme. Besides, necessary ancillary items for personal Computers to be provided to Senior Officers will be funded from this scheme. The State Government have decided to

introduce Computerisation in the Government Offices at the Headquarters as well as at the District Headquarters in collaboration with the National Informatics system, Department of Electronics, Planning Commission, Government of India. Under the arrangement, NIC will purchase, install, operate and maintain the Computer facilities besides bearing all the expenditure for the site preparation including civil and electric works, Air Conditioning and equipment etc.

The N.I.C. will also provide magnetic tapes and floppy diskettes required for storing data. The State Government will get the site prepared and later on N.I.C. will reimburse the funds spent for the site preparation at District Computer Centres and State Computer Centre. It is also proposed to bear the expenditure towards the electric charges, water maintenance and security of Computer Centre buildings at District Headquarters and at State Headquarter. The rent of the building taken on rent for State Computer Centre will also be paid from this scheme during the year 1990-91. It is also agreed to finance Studies/Consultancy in the area of Computerisation in the Government Offices from this provision.

P.M. 1.7. Grant-in-aid to Centre for Research in Rural and Industrial Development:

The Grant-in-aid of recurring nature to CRRID is given on matching basis with ICSSR. This recurring expenditure relating to grant-in-aid has been transferred to non-plan budget as per guidelines for the classification of expenditure relating to 8th Five Year Plan. An outlay of Rs. 5.00 lakhs for the construction of building has been approved for 1990-91.

P.M. 1.8. Creation of Special Component Plan Division in Punjab State Planning Board (100 per cent Centrally Aided (Scheme) :

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 a special component plan division in the Planning Department with the following Staff:—

1. Deputy Director	1
2. Research Officer	2
3. Technical Assistants	4
4. Junior Scale Stenographer	1
5. Steno-typists	2
6. Peons	3

With this staff, SCP 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 on-going SCA/SCP Schemes. Thus need based schemes will be identified and modification and reorientation of on-going schemes will be made out of the General Sector Schemes thereby increasing the percentage of flow of funds out of general outlay to SCP. It is a 100 per cent Centrally aided scheme. A sum of Rs. 6.00 lakhs will be met out of SCA.

Department of Economic Coordination and 20-Point Programme:

A Department of Programme Implementation has been set up to monitor and coordinate 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 Government of India. At the district level, the monthly meetings to review the programme are arranged by Deputy Economic and Statistical Adviser under the Chairmanship of respective Deputy Commissioner.

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 Officers | 3 |

A provision of Rs. 4.00 lakhs is approved for 1990-91 in order to fill up the aforesaid posts against a token provision of Rs. 1.00 lakh during 1989-90.

STATISTICS

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. ST. 1.1 "Purchase of Computer Timings/Installation of Computer System", ST. 1.4 "Strengthening of District Statistical Offices with Class-I Officers and Provision of Jeeps, ST. 1.5 "Creation of Price Statistical Cell" and ST. 1.6 Strengthening of Evaluation Machinery and Survey and Studies" have been transferred to Non-Plan Budget as per guidelines for the classification of expenditure relating to 8th Five Year Plan. A sum of Rs. 15.87 lakhs has been approved for 1990-91 in order to implement the following schemes:—

Working Class Family Income and Expenditure Survey in Punjab:

In order to ascertain the latest consumption pattern of the Industrial Workers and other socio-economic aspects, namely Family Characteristics, demographic particulars, literacy, economic and activity status, source-wise income and expenditure, food consumption, nutrition, budgetary position, indebtedness, savings and investment, housing and sani-

tary conditions etc. The working class family income and expenditure surveys are very essential. In the last survey conducted in 1975 six centres viz. Dhariwal, Nangal, Ludhiana, Phagwara, Patiala and Abohar were selected being the important industrial centres. Since Ludhiana Centre has been covered by Government of India, Bathinda will be taken in its place.

On the basis of the expenditure data thrown up by this survey the weighting diagrams of the six centres have been finalised and got approved from the Labour Bureau, Government of India. This scheme will remain continue during 1990-91 and its report will be finalised during 1990-91. The staff consisting of Deputy Economic and Statistical Adviser, Technical Assistant, Junior Scale Stenographer and one peon already sanctioned will continue during 1990-91. For the continuation of this scheme, a sum of Rs. 1.50 lakhs has been approved for 1990-91.

Setting up of a Socio-Economic Research and Analysis Unit

In order to undertake *ad hoc* 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 bi-annual 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 Governments;
- (iii) Data available from publications of other State Government Departments.

- (iv) Data available from publications of the Government of India;
- (v) Others, namely Reserve Bank of India Bulletins, CSIR and NCAER publications.

The *ad hoc* studies with meaningful analysis and interpretation of Secondary data available from the 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 highlight the problems and prospects and suggest corrective measures wherever required.

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 Officers	4
3. Technical Assistants	4
4. Investigators	4
5. Junior Scale Stenographer	1
6. Steno-typists	4
7. Peons	5

A provision of Rs. 5.64 lakh has been approved for the year 1990-91.

Preparation of Input-Output Table for the State

In order to prepare input-output table for the State, it has been proposed to create a new section in the E.S.O. Input-Output table provide useful information about the interdependence among various Industrial sectors and it presents a profile of productivity process by linking various sectors of the economy through the said inter-dependence.

The degree of interdependence of sectors or Industries within an economy can be brought out by proper input-output analysis. Beside 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.

Input-structure for primary and tertiary sectors alongwith community-wise details of various final demand sectors and indirect 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 organisations/institutions etc. Such a structure for the secondary sector would be prepared from the ASI schedules, budget and reports. There will be more than 100 sectors for which the data will be collected from different sources and compiled after scrutiny. A sum of Rs. 5.60 lakh has been approved for 1990-91 in order to implement the scheme with following staff:—

(i) Dy. Economic and Statistical Adviser	1
(ii) Research Officers	2
(iii) Technical Assistants	6
(iv) Investigators	3
(v) Junior Scale Stenographer	1
(vi) Steno-typist	1
(vii) Peons	3

Strengthening of the National Sample Survey Unit

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 33 Investigators, 8 Statistical Assistants and 2 Scrutiny Inspectors. In order to properly handle the increased work load, intensive supervision and checking of the work of Investigators to ensure the quality of data at the field level as well as at the scrutiny level at Headquarters has become necessary. For this purpose, an outlay of Rs. 2.13 lakh is approved for 1990-91 in order to strengthen the existing programme with the following additional staff:—

(i) Research Officer	1
(ii) Technical Assistant/ Scrutiny Inspectors	2
(iii) Statistical Assistant	1
(iv) Steno-typist	1

Setting up of Statistical Machinery at Sub-Divisional Level

In order to collect the qualitative and reliable data at the grass root level required for the Formulation of District Plans, it has been proposed to create a Statistical Machinery at the Sub-divisional level. 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 token provision of Rs. 1.00 lakh has been approved for 1990-91.

PUNJAB STATE INSTITUTE OF PUBLIC ADMINISTRATIVE

The Punjab State Institute of Public Administration has been functioning in

a rented building at Chandigarh since it was set up 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 a plot of 58209.75 Sq. Yds. at the rate of Rs. 60 per Sq. Yds. at a total cost of Rs. 34,92,582 on 4th August, 1988 in Sector 26, Chandigarh for setting up of campus of PSIPA. Installments of plot have been paid in 1989-90 and construction activities of various buildings will be taken up at the cost of Rs. 150.00 lacs in 1990-91.

2. In its newly constructed main building are housed the administrative block, faculty rooms, syndicate rooms, library and conference hall, class rooms and examination hall and hostel, lawns and playgrounds will also be part of the building. The total estimated cost of building and furniture will be Rs. 800.00 lacs. The construction work will be done in a phased manner as indicated below:—

1990-91	Rs. 150.00 lacs
1991-92	Rs. 200.00 lacs
1992-93	Rs. 250.00 lacs
1993-94	Rs. 156.00 lacs
1994-95	Rs. 44.00 lacs
	<hr/>
	Rs. 800.00 lacs

3. Under the on-going scheme—"Establishment of Administrative Training Institute" in 1980-90, the revised outlay is Rs. 64.91 lacs, Rs. 20.64 lacs is for salary component, Rs. 20.36 lacs for misc. expenditure and Rs. 22.91 lacs for capital content. Yearwise detail of expenditure is given below:—

1985-86	Rs. 30.00 lacs
1986-87	Rs. 27.00 lacs
1987-88	Rs. 30.00 lacs
1988-89	Rs. 45.00 lacs
1989-90 (Revised)	Rs. 64.91 lacs

As the scheme is on-going and will be on non-plan with an allocation of Rs. 42.00 lacs from 1990-91.

4. PSIPA will also envisage a 50:50 sharing basis new plan scheme-Assistance to State Training Institute for Training in District Planning at a cost of Rs. 4.00 lacs during 1990-91. The total cost of the scheme will be Rs. 43.69 lacs say Rs. 44.00 lacs out of which Rs. 22.00 lacs will be State share during 8th Plan Period. Yearwise detail is given below:—

(Rs. in lacs)

Year	State Share	G.O.I. Share	Total
1990-91	3.57	3.57	7.15
1991-92	3.93	3.93	7.87
1992-93	4.33	4.33	8.66
1993-94	4.76	4.76	9.53
1994-95	5.24	5.24	10.48
Total	21.845	21.845	43.69

5. Introduction of Decentralised District Planning at grass-root level necessitates re-orientation of management and administrative system at all levels and training at various ladres and for different functionaries. Government of India has provided assistance to State Training Institutions on 50:50 matching basis for strengthening the training facilities for providing training in district planning. It is a staff scheme consisting of one Senior Fellow, Two Fellow, Four Associate Fellows, two Research Assistants, and supporting staff. As state share, Rs. 4.00 lacs has been provided in 1990-91. The matching share of Rs. 4.00 lacs will also be provided by Government of India.

In the end, it is concluded that total outlay for the year 1990-91 will be Rs. 154.00 lacs in 1990-91 under this sub-head.

CIVIL SUPPLIES

The consumer Protection Act, 1986 (Central Act) has come into force with

effect from 14th September, 1986 in the State. The implementation of consumer Protection Act Scheme is to provide better protection to the consumers. To redress/settle the disputes of the consumers under section 9 to 16 of the Act, the State Commission and District-Forum shall be set up. State Commission will consist of three members headed by President who is or has been a Judge of the High Court and members shall be those having experience in dealing with problems of economic, law and commerce and one of them shall be a woman. For District Forum, District Judge will be the President and two other members, a person of eminence in the field of education, Trade and Commerce other than a Lady Social Worker.

2. Under Rule-3 of consumer Protection (Punjab) Rule, 1967 President of District Forum will be given the salary of the Judge of the District Court if appointed on whole time basis, other members if sitting on whole time basis will be paid consolidated honourarium of Rs. 2000 per month. Under Rule 6, President of State Commission will be paid Salary of the Judge of High Court if appointed on whole time basis. Other members will be paid a consolidated honorarium of Rs. 3000 per month if appointed on whole time basis.

3. The scheme was envisaged in 1987-88 by engaging the presidents and members of State Commission and District Forums on part-time basis. The Presidents of State Commission and District Forums will be paid a fee of Rs. 200 and Rs. 150 respectively per sitting and the members of State Commission/District Forums will be paid Rs. 150 and Rs. 100 per sitting respectively. But the scheme could not be cleared by the Government upto the end of March, 1990.

4. For engaging the redressal machinery on whole time basis during Plan 1990-91, member and supporting staff like Reader, Asstts., Stenographers, Steno-typists, Peons and Drivers to the Redressal Machinery have been posted at State to implement Consumer Protection Act, 1986, in the State. With this, the expenditure will be incurred Rs. 2.00 lacs

during the year 1990-91 against allocation of Rs. 1.00 lacs in 1989-90.

LABOUR AND LABOUR WELFARE

17.57 Against the approved outlay of Rs. 350.00 lacs for Seventh Five Year

Plan (1985—90) and Rs. 618.00 lacs is provided for the year 1990-91. Detail of Labour Welfare Industrial Training and Employment Services is given below:—

Name of Programme	Seventh Plan 1985—90	Annual Plan 1985-86	Annual Plan 1986-87	Annual Plan 1987-88	Annual Plan 1988-89	Annual Plan 1989-90 Anti.	Proposed Annual Plan 1990-91	
1	2	3	4	5	6	7	8	9
1. Labour Welfare	23.59	..	..	0.65	3.38	5.59	21.00
2. Industrial Training	321.50	57.95	125.41	134.99	122.50	186.51	591.00	
3. Employment Service	5.00	0.50	0.73	1.15	1.28	3.30	6.00	
Total	350.00	58.49	126.14	135.79	127.09	195.40	618.00	

LABOUR WELFARE

Creation of Women Cell

17.58. In the Annual Plan, 1990-91, Welfare of Women workers will be undertaken on priority basis by setting up Women Cell for the implementation of Equal Remuneration Act, 1976, Maternity Benefit Act, 1961, Factories Act, 1948 and Punjab Shops and Commercial Estt. Act, 1958. A post of Lady Labour Conciliation officer at State level with staff, and three posts of Lady Labour Grade-I at field level at a cost of Rs. 3.98 lacs will be created.

17.59 Strengthening of Factories Inspectorate will be undertaken by providing five posts of Factories Inspectors with allied staff, equipment like gas detector Apparatus with Sampling Tubes Sensitive Master Pressure Guages, Static Electric and Mobile Van at a cost of Rs. 17.02 lacs in 1990-91. Against the requirement of 60 factories Inspectors for

90000 Factories at the norm of one Inspector for 150 factories. Only 27 posts of Inspectors are available at present.

17.60 Employment Services will be strengthened at a cost of Rs. 6.00 lacs by setting up of two Employment Exchanges at Ajnala and Talwandi Sabo (Rs. 3.00 lacs) four Rural Man Power Units at Bamial, Baba Bakala, Dasuya and Balachaur (Rs. 2.00 lacs) besides creating some staff for Accounts Matter at State level (Rs. 1.00 lacs).

INDUSTRIAL TRAINING INSTITUTES

STATE HEADQUARTERS SCHEMES :

17.61 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.

17.62 Improvement in the existing facilities, Introduction of New Courses in the area of emerging technology, Establishment of New Institutes and expansion of existing Institutes/Schools to meet special requirements, Training and Retraining of teachers and staff development, Computerisation, Expansion of facilities for industrial Training for Women, Transfer of Technology through trysem or otherwise, to rural masses including Model experimental projects for Integrated Rural Development with the application of Technology will be done. Promoting effective Management system including strengthening of State Directorate of Industrial Training and meet the physical deficiencies in the existing institutions by replacing obsolete machinery and equipment modern one, provide staff to the norms enhanced material for training will be made available.

17.63 A Record and examination cell consisting of one post each of Assistant, Clerk and peon will be needed at a cost of Rs. 2.00 lacs. To strengthen for supervision over the institutions of the department a cell comprising of two posts each of Assistant Stenos, Peons will be created at State Headquarter for which an outlay of Rs. 1.00 lac is provided.

World Bank Assistance Programme

17.64 Machinery and equipments of the I.T.Is has become obsolete and adversely effecting the quality of training. World Bank has launched a project for upgradation of the quality of training in the III's by providing 50 per cent of the replacement of machinery and equipments providing Audiovisual Aids, introduction of new trades in the Woman ITIs. The breakup of the outlay is as under and similar amount will be available from World Bank (Government of India).

(Rs. in lacs)

Sr. No.	Name of the scheme	Outlay
(i)	Strengthening of State ITI for improvement of quality and training.	117.00
(ii)	Estt. of Project management System	3.00

Sr. No.	Name of the Scheme	Outlay
(iii)	Introducing of new trades in existing women ITIs.	17.00
(iv)	Related Instruction Centre.	4.85
(v)	Introduction of A.V.Ts.	16.25
(vi)	Setting up Basis Trg. Centre.	2.50
(vii)	Exp. of ITI by introduction Adl. seats.	45.90
(viii)	Provision of A.V. Aids.	12.00
(ix)	Estt. of Equipment maintenance System.	8.35
(x)	Introduction of Post Skill Dev. Centre.	3.15
(xi)	Opening of the New I.T.I.s for girls.	Distt. level
Total :		230.00

17.65 Besides, the above World Bank Aided programme, five new ITIs for girls on 50:50 sharing basis will be set up at a cost of Rs. 50.00 lacs including Rs. 25.00 lacs capital content in the year 1990-91.

17.66. The NCVT, taking into account the high prices of raw material recommended the enhancement of training grant from Rs. 25 to Rs. 75 per trainee per month. Rs. 50 lacs have been set aside for this purpose in 1990-91. Besides, matching grant of Rs. 50.00 lacs will be provided by Government of India in this regard. Similarly, Government of India has enhanced the stipend rate from Rs. 25 to Rs. 75 per month per trainee. The enhanced amount of Rs. 13.00 lacs for 16,000 trainees is to be met from plan budget 1990-91 while the remaining funds will be provided from Non-plan.

17.67 In the present age of automation and rapid technological advancement sustained emphasis on the diversification of trades like computer, electronics and plastic processing to substitute unpopular trades into popular ones have become essential to meet the need of the industry. For this purpose Rs. 20.00 lacs have been provided in 1990-91.

17.68 For the completion of existing building of on-going ITIs located at

Manuke, Hoshiarpur, Sarhali, Batala, Patti, Bassi Pathana, Quadian etc., Rs. 10.00 lacs have been provided in 1990-91. For expansion of ITIs in rural areas, Rs. 10.00 lacs have been set aside and for the completion ITI at Malerkotla Rs. 30.00 lacs including Rs. 20.00 Capital content have been provided in 1990-91. An advance ITI for SCs will be set up at Garshankar at a cost of Rs. 50.00 lacs and upgradation of remaining 4 ITIs for SCs will be done with expenditure of Rs. 52.00 lacs in 1990-91. Besides, Rs. 12.00 lacs and Rs. 5.00 lacs are to be incurred for the purchase of land and construction of building for Art and Craft Centre, Amritsar and for modernisation of work centre, Rajpura respectively in 1990-91. In addition to Rs. 2.00 lacs have been provided for moderisation of ITIs under UNDP/ILO.

17.69. For the purpose of Training, Retraining, Seminar and Study tours for men and women, Rs. 3.00 lacs are to be incurred in 1990-91. Rs. 3.00 lacs are to be utilised for providing Diesel operating sets/Independent Feoders in ITIs in 1990-91.

17.70. For the completion of existing building and for the construction of new Industrial Schools for Girls, Rs. 30.00 lacs have been provided in 1990-91. Rs. 10.00 lacs are to be spent for moderisation and replacement of machinery and equipment in girl schools in 1990-91. Rs. 6.00 lacs have been set aside for opening of new Industrial Schools for girls and introduction of additional seats in 1990-91. In addition Rs. 2.00 lacs are to be utilised for providing deficient staff in existing Industrial Schools and teacher training Institutes for girls in 1990-91.

PUBLIC WORKS

16.67. Many Government Administrative and Office buildings particularly at District/Tehsil & Local Levels are in a bad shape. There is also an urgent need for the construction of new courts, Police Stations and Jail Buildings. More circuit houses/guest houses are needed. Keeping in view the need to improve the administrative efficiency, the construction of office buildings have been given adequate importance. The strategy of development under this programme will be to give top priority for starting new works be as follows:—

- (i) Offices which are located in apdated buildings and have been declared unsafe for habitation ;

- (ii) For offices which have already land in possession for this purpose;

- (iii) The offices which are located in rented buildings and are not suitable for office accommodation.

16.68. A detailed exercise in this respect was conducted & it was felt that an outlay of Rs. 4808.00 lacs is required for sub-head "Public Works" during the 7th Five year Plan in order to undertake construction of office buildings/police stations/jails etc. On the basis of the above mentioned priorities. Due to financial constraints, an outlay of Rs. 2000.00 lacs only could be provided for this sub-head during the 7th Five Year Plan (1985—90).

16.69. During 1985-86 an expenditure of Rs 257.57 lacs was incurred mainly for the completion of the spill over works. An amount of Rs. 413.15 lacs was expended during the year 1986-87 for various schemes under this sub-head. During 1987-88, an expenditure of Rs. 433.08 lacs was incurred for completion of spill-over works under this sub-head. During 1988-89, an outlay of Rs. 525.00 lacs has been provided for the sub-head "Public Works,". Keeping in view the spill-over requirement & urgency of undertaking unavailable new construction work, an outlay of Rs. 784.00 lacs has been provided during 1990-91 & Rs. 340.00 lacs has been provided for the construction of jail buildings during the year 1990-91.

Administrative Complexes;

16.70. The State has three Divisions, 12 Districts, 46 Sub-divisions/Tehsils & 48 Sub-tehsils for the convenience of public. It has been decided to construct all Government offices & courts in a town at one place wherever possible.

16.71. During the 7th Five Year Plan (1985—90), an outlay of Rs. 600.00 lacs has been provided to complete the construction of spill-over works & for construction of 11 Administrative Complexes. During 1985-86, an expenditure of Rs. 112.70 lacs was incurred for the early completion of 10 spill-over works & for taking up construction of 8 new works, During 1986-87, an expenditure of Rs. 193.17 lacs was incurred for completion of 16 works. In addition, Rs. 6.00 lacs was expended for purchase of land at Shamboo for construction of Sales Tax Check Barrier during 1986-87. During 1987-88, an expenditure of Rs. 149.56 lacs was incurred for the completion of spill-over works & for undertaking 2 new works. In addition, an expenditure of Rs. 16.36 lacs was incurred for sales Tax Check Barrier at Shamboo during 1987-88. During 1988-89, an outlay of Rs. 250.00 lacs has been provided for the early completion of spill-over works under this Scheme. An outlay of Rs. 525.00 lacs has been provided for the early completion of works during 1990-91 & for undertaking new works like Mini Secretariat at Ferozepur, Patiala, Gurdaspur & Sangrur. There is also a proposal to construct Tehsil Complex at Chamkaur Sahib, Nurpur Bedi, Samana, Amluh, Derabasi Bhulath, Dhilwan, Moga, Talwandi Sabo &

Abohar. Adequate funds has been provided for the construction of Central Record Room at Chandigarh during the year 1990-91. It is proposed to construct 5 liquor vends with Ahatas in the rural areas in the State. A sum Rs. 5.00 lacs has been provided during the year 1990-91 for this purpose. The detail is given in Annexure-I.

Courts :

16-72. The condition of court buildings in the State is very poor. Some of which have been declared unsafe by the PWD. An outlay of Rs. 70.00 lacs has been provided for completion of 4 spill-over works & for undertaking construction of 3 new Court Complexes & for providing additional accommodation for additional Judicial Officers to be appointed during the 7th Five Year Plan. During 1985-86, an expenditure of Rs. 11.16 lacs was incurred for the completion of 2 spill-over works & for undertaking 2 new works. An expenditure of Rs. 21.07 lacs was incurred during 1986-87, for the completion of spill-over works only. During 1987-88, an expenditure of Rs. 15.00 lacs has been provided during 1988-89, only for spill-over works. An outlay of Rs. 30.00 lacs has been provided during 1989-90. An outlay of Rs. 40.00 lacs has been provided for the completion of spill-over works & for taking up new works during the year 1990-91. The detail is given in Annexure-I.

Jails :

16-77. In order to improve the condition in the jails the Government has decided to construct new jails & to provide basic amenities of life in existing jails e. g. flush latrines etc. During the 7th Five Year Plan, an outlay of Rs. 500.00 lacs has been provided for completion of 6 spill-over works & for undertaking construction of 3 new works. A sum of Rs. 45.71 lacs was expended for the early completion of 6 spill-over works during the year 1985-86. An expenditure of Rs. 65.00 lacs was incurred on 6 spill-over works only during 1986-87. An expenditure of Rs. 57.07 lacs was incurred for completion of only those works during 1987-88. A sum of Rs. 340.00 lacs has been provided for the spill-over works and new works in the annual plan 1990-91. The detail is given in Annexure-II.

Circuit Houses and Rest Houses :

16-78. An outlay of Rs. 2.50 lacs has been provided for this scheme during the 7th Five Year Plan (1985-90). During 1985-86, an expenditure of Rs. 10.00 lacs was incurred mainly for the completion of Punjab Bhavan at Chandigarh, Circuit House-Balachaur & for other rest houses in the State. During 1987-88, an expenditure of Rs. 23.35 lacs was incurred for construction of circuit houses at Ludhiana & Jalandhar & Guard Room in 5 Circuit Houses in the State. An outlay of Rs. 10.00 lacs has been provided for completion/

construction of circuit houses during 1988-89. An outlay of Rs. 87.00 lacs has been provided for taking up new works. The detail of the works is given as under :—

(Rs. in lacs)

Name of the work	Outlay proposed 1990-91.
1. Provision of 14 Nos. staff quarters at Circuit House, Patiala.	14.00
2. Provision of 15 Nos. staff quarters at Circuit House, Jalandhar.	15.00
3. Provision of additional Wing of Circuit House, Amritsar (Part provision).	25.00
4. Provision of subordinate rest house at Amritsar.	6.00
5. Provision of staff quarters at Circuit House, Ludhiana (Part provision).	15.00
6. Provision of additional wing of Circuit House, Samana (Part provision).	12.00
Total	87.00

Mini Secretariat Building at Chandigarh:

16-79. To reduce congestion in the Secretariat & to provide accommodation to Secretariat Branches which are functioning in the private buildings outside the Secretariat Building, 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 practically been completed & the work on Block 'B' to be initiated during 1987-88. During the 6th Five Year Plan (1980-85) an expenditure of Rs. 91.21 lacs was incurred which includes Rs. 40.00 lacs for payment of instalment of acquired land and Rs. 51.21 lacs for construction of the building. An expenditure of Rs. 8.00 lacs was incurred for completion of spill-over works during 1985-86. During 1986-87, an expenditure of Rs. 1.23 lacs was incurred for payment of instalment of land. The liabilities on account of payment of instalments of plots to be paid to the Chandigarh Administration & construction of Block 'A' & 'C' were also met out of it. An outlay of Rs. 10.00 lacs has been provided for this project for the year 1989-90. During 1990-91, an outlay of Rs. 75.00 lacs has been provided for the construction of Block 'B' of the Mini Secretariat Building at Chandigarh.

ANNEXURE—I

Sr. No.	Name of Work	Revised Cost	Expenditure upto 31-3-89	Proposed Outlay 1990-91
1	2	3	4	5
ON-GOING WORKS				
1	Construction of Tehsil Complex at Faridkot (including PH charges Rs. 3. lacs)	—	—	56.00
2	Construction of Tehsil Complex at Moga (Double storey)	73.29	51.64	36.00
3	Construction of Patwar Training School and Hostel building at Jalandhar	91.63	48.05	37.00
4	Construction of Tehsil Complex at Nawanshar	83.45	82.22	22.11
5	Construction of Sub-Tehsil Complex at Shahkot	16.30	16.08	7.65
6	Construction of Tehsil Complex at Batala	—	—	10.53
7	Construction of District Administrative Complex (SDM) Tehsil & Treasury office at Sangrur	79.67	2.68	15.00
8	Construction of Tehsil Complex at Patiala	15.00	4.09	40.00
9	Construction of Tehsil Complex at Amritsar	111.71	122.31	1.30
10	Construction of District Administrative (Judicial Court) Phase-I at Ludhiana	25.03	1.19	0.07
11	Construction of varandha in front of Treasury Block, Ludhiana	0.50	—	1.17
12	Construction of additional accommodation for Treasury in District Administration Complex at Ropar	2.63	—	0.50
13	Compensation to land owners in respect of the land acquired for the construction of Tehsil Complex at Fatehgarh Sahib	10.00	—	5.00
14	Construction of lawyers chambers in Tehsil Complex at Fatehgarh Sahib	4.88	—	0.90
15	Construction of Deputy Excise & Taxation Commissioner office and residence at Ferozepur	5.35	—	5.55
16	Construction of strong room in sub-treasury office at Jalalabad District Ferozepur	—	—	0.28
17	Construction of Sub-Divisional Administration Complex at Pathankot	—	—	1.10
	Total	—	—	240.16
18	Construction of Tehsil Complex at Baba Bakala (including public health services)	—	—	0.10
19	Providing 6" 1/d tubewell in Tehsil Complex at Patti	0.86	—	0.65
20	Construction of boundary wall around the District Courts, Amritsar	—	—	1.65
	Total	—	—	2,42.56

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. The backlog of the un-employment in the country at the outset of the 7th Plan has been estimated at 9.2 Million and the addition to the Labour force has been estimated at 39.38 million. The Seventh Plan is expected to generate additional employment of the order of 40.36 million standard person years. Thus, the backlog of unemployment at the end of 7th plan would be 8.22 million. The various anti poverty programmes included in the Seventh Plan envisage that the poverty ratio would decline from 37 percent in 1984-85 to less than 26 percent in 1989-90. In absolute terms, the number of those living below the poverty line is expected to decline from 272.7 million in 1984-85 to 210.8 million by 1989-90 thus showing a reduction of nearly 25 per cent.

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, paramedical personnel and above all matricu-

lates. Unemployment among the educated persons mainly takes the form of long period of waiting before they get employed. The most important casual factor 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 unemployment 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 1986-87, 1987-88, 1988-89, 1989-90 and 1990-91. 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 of 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

32 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 unemployed 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 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 Unemployment :

18.8. The number of work-seekers on the Live Register of Employment Exchanges in Punjab as on 31st March, 1988, 31st March, 1989 and 31st March, 1990 is given in Annexure-IV. It would be seen that between 1st April, 1988 and 31st March, 1989, the number of job seekers decreased from 6,08,557 to 5,72,766 i.e. by 35,791 or 5.88 per cent. The number of below matriculate job-seekers decreased from 3,06,359 to 2,70,717 i.e. 35,642 or 11.63 per cent. On the other hand, the number of educated job-seekers decreased from 3,02,198 to 3,02,049 i.e. by 149 or 0.05 per cent. The proportion of educated persons in the total work-seekers increased from 49.66 per cent to 52.74 per cent during 1988-89. The proportions of technical personnel among the educated ones also increased from 31.74 per cent to 31.94 per cent. Out of 5,72,766 job-

seekers as on 31st March, 1989, 55.92 per cent (Males 83.26 per cent and Females 16.74 per cent) belonged to the rural areas and 44.08 per cent (Males 81.18 per cent and Females 18.82 per cent) belonged to the urban areas.

18.9. During the period from April, 1989 to April, 1990 the number of job-seekers increased from 5,72,766 to 6,22,262 recording an increase of 8.64 per cent. The educated work-seekers also increased to 3,35,456 as on April 1990 as against 3,02,049 thereby registering the increase of 11.06 per cent. However, the unemployment among the below matriculates and other persons was increased by 5.94 per cent i.e. from 2,70,717 to 2,86,806, during the period under review. Unemployment persisted among the highly qualified technical personnel also. There was an many as 437 graduate engineers, 302 doctors, 643 agricultural specialists, 23,425 B.Ed./M.Ed. teachers, 15,885 other teachers and 28,147 trained craftsmen on the live register of Employment Exchanges as on 31st March, 1990.

18.10. During 1989-90, the number of registrations effected was 2.00 lacs compared to 1.91 lacs registrations effected during the previous year. The number of vacancies notified to the Employment Exchanges by the Public and Private Sector Employers decreased from 21220 during 1988-89 to 15,597 during 1988-89 thus showing the decrease of 26.50 per cent. The number of persons given employment in 1989-90 was 7,701 as compared to 9,907 persons given employment during the previous year. In other words, only 3.85 per cent of the job-seekers were provided employment during 1989-90 through the Employment Exchanges. Unemployment allowances amounting to Rs. 64.60 lacs was disbursed to 9,752 beneficiaries during 1989-90 as compared to 67.50 lacs disbursed to 10,278 beneficiaries during 1988-89.

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 salaries 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 10,500 as at the end of March 1989 to 10,626 as at the end of March, 1990 recording an increase of 1.18 per cent as compared to an increase of 0.82 per cent re-

corded between 1st April, 1987 and March 31st, 1988. 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 7.86 lacs as at the end of March, 1990 showing an average annual increase of 2.20 per cent. Whereas employment in the Public Sector increased from 4.68 to 5.66 lacs showing an average annual increase of 2.28 per cent, the employment in the Private Sector went up from 1.67 lacs to 2.20 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 lacs persons (5.91 lacs males and 0.28 lakhs 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 lacs 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 of the 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. These 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. 19.92 crores were disbursed to 29,265 beneficiaries. Besides, Capital Subsidy amounting to Rs. 0.21 crores was given. It is estimated that during 1989-90, loans amounting to Rs. 23.05 crores will be disbursed to nearly 36,390 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 (Anticipated) and 1990-91 (Target) 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 includes (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 Rural Areas (DWCRA), (vi) Trainig Ex-servicemen for Self-employment (PEXSEM), (vii) Scheme for providing self-employment to the Educated Unemployed Youth (SEEUY), (viii) Self-employment Programme for the Urban Poor (SEPUP). The investment made and the employment generated under the schemes at (i) to (vi) have been discussed in detail under Community Development and Panchayats, and Defence Services Welfare. The progress regarding the implementation of the scheme at (vii) and (viii) 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 is 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. Upto 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 in Punjab and loans sanctioned 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	12,487	26.60
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 (Up to 30-11-1989)	7,500	2,416	5.29

The target for the year 1989-90 was decreased to 7,500 beneficiaries by the Government of India against which 2,416 beneficiaries were sanctioned loan of Rs. 5.29 crores upto 30th November, 1989.

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, how-

ever, 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

Direct Employment Generation During the 7th Plan Period and Annual Plans 1986-87, 1987-88, 1988-89, 1989-90 and 1990-91 :

18.25. 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 the 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.

18.26. The estimates of direct employment (construction and continuing) generation during the 7th Plan (1985-90) Annual Plan 1986-87 (Actuals), 1987-88 (Actual), 1988-89 (Actual), 1989-90 (Anticipated) and 1990-91 (Target), are given in Annexure-X & XI. 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 a uniform and comparable basis. The estimates of total employment generation during the 7th Plan and the Annual Plans 1986-87, 1987-88, 1988-89, 1989-90 and 1990-91 are given below :—

Estimates of Employment Generation

	Construction employment (Person-days in lakhs).	Continuing employment (Person years)
7th Plan (1985-90)	3145.32	80,798
Annual Plans :		
1985-86 (Actual)	353.48	40,404
1986-87 (Actual)	375.11	46,432
1987-88 (Actual)	352.31	52,354
1988-89 (Actual)	391.62	58,591
1989-90 (Anticipated)	445.12	60,496
1990-91 (Target)	455.17	74,027

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 Husbandry, Agriculture and Co-operation. Construction employment is generated in the Departments such as Public Works, Irrigation, Power, Soil Conservation, Forest and Rural Water Supply.

Employment Strategy :

18.27. 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 cannot 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.

18.28. 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 alliviating 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 ancilliary 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.

ANNEXURE I

Main Workers, Marginal Workers and Non-workers classified by Sex and Residence and their percentage distribution to total population in Punjab in 1981 Census

Residence/Sex	Population 1981	Main Workers	Marginal Workers	Total Workers	Non-Workers (Col. 3+ Col. 4)	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
Rural									
Male	.. 64,44,464	34,58,329	50,553	35,08,992	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
Urban									
Male	.. 24,92,746	12,91,317	4,145	12,95,264	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
Total									
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

Sources: 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*			Increase during 1971—81 decade					
							<i>Total</i>			<i>Percentage increase</i>		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Males	Females	Person
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	38·84
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 (63·95)	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 percentages to total.

Source : Census of India, 1981 Series 17—Punjab, Paper-I of 1981. Supplement, Provisional Population Totals.

*Census of India, 1981, Series-I, Series-I, India, Part-IIB(i) 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.

Sources : Economic & Statistical Organisation, Punjab.

ANNEXURE IV

Statement showing the number of work-seekers (Categorywise) as on the Live Register of Employment Exchanges in Punjab as on 31st March, 1988, 31st March, 1989 and 31st March, 1990.

Category	No. of work-seekers as on			Increase/ decrease during 1988-89	%age increase decrease during 1988-89	Increase/ decrease during 31-3-89 & 31-3-90	%age increase/ decrease during 31-3-89 & 31-3-90
	31-3-88	31-3-89	31-3-90				
1	2	3	4	5	6	7	8
A. Educated							
(i) Technical—							
1. Graduate Engineers ..	373	348	437	25	(—)6·70	89	25·57
2. Diploma Engineers ..	4,287	4,357	5189	70	1·63	832	19·09
3. ITI Trained Crafts men ..	28,198	27499	28,147	(—)699	(—)2·48	648	2·36
4. Other Craftsmen ..	13,160	11916	5,957	(—)1244	(—)9·45	(—)5959	(—)50·00
5. Allopathic Doctors ..	21	14	27	(—)7	33·33	13	92·86
6. Doctors others ..	234	222	275	(—)12	(—)5·13	53	23·87
7. Para-medical personnel ..	3,234	3065	3887	(—)169	(—)5·22	822	26·82
8. Agricultural Specialists ..	603	545	643	(—)58	(—)11·53	98·00	17·98
9. Veterinary Graduates ..	5	7	4	2	40·00	(—)3·00	(—)42·86
10. Dairy Graduates ..	—	—	—	—	—	—	—
11. Teachers (B. Ed., & M Ed.) ..	21,558	21025	23,425	(—)533	(—)2·47	2400	11·41
12. Teachers (JBT) ..	6,943	4,153	3083	(—)2790	(—)40·18	(—)1070	(—)25·76
13. Teachers Others ..	17,900	16,508	15885	(—)1392	(—)7·77	(—)623	(—)3·77
14. Total Technical ..	96,516	89,659	86,959	(—)6857	(—)7·10	(—)2700	(—)3·01
(ii) Non-Technical—							
15. Graduate Freshers ..	33,771	30,868	35934	—2903	(—)8·60	5066	16·41
16. Post-Graduate Freshers ..	8,982	9,041	10581	59	6·54	1540	17·03
17. Matriculates & below Graduate Freshers ..	1,62,929	1,72,481	2,01,982	9552	1·11	29501	17·10
18. Total Non-Technical ..	2,05,682	2,12,390	2,48,497	6708	3·26	36,107	17·00
19. Total Educated (14 + 18) ..	3,02,198	3,02,049	3,35,456	(—)149	(—)0·05	33,407	11·06
B. Other than covered above ..	3,06,359	2,70,717	2,86,806	(—)35,642	(—)11·63	16,089	5·94
20. Total Live Register (A + B) ..	6,08,557	5,72,766	6,22,262	(—)35,791	(—)5·88	49,496	8·64

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
1	2	3	4	5	6	7	8	9	10	11
I Public Sector										
(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)
(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)
(c) Quasi Government	1,16,606 (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)
(d) Local Government	28,244 (4.44)	29,118 (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)
Total (I) ..	4,67,795 (73.65)	4,80,386 (73.18)	4,97,428 (73.73)	5,12,860 (73.49)	5,19,131 (73.67)	5,29,746 (73.39)	5,39,924 (73.48)	5,47,646 (72.57)	5,50,258 (71.94)	5,66,197 (71.99)
II Private Sector ..										
	1,67,340 (26.35)	1,76,080 (26.82)	1,77,235 (26.27)	1,85,024 (26.51)	1,85,478 (26.33)	1,92,040 (26.61)	1,94,881 (26.52)	2,06,996 (27.43)	2,14,618 (28.06)	2,20,237 (28.00)
Grand Total (I—II) ..	6,35,135 (100.00)	6,56,466 (100.00)	6,74,663 (100.00)	6,97,884 (100.00)	7,04,609 (100.00)	7,21,786 (100.00)	7,34,805 (100.00)	7,54,640 (100.00)	7,64,876 (100.00)	7,86,434 (100.00)

Note: Figures in brackets are percentages to vertical totals.

Sources:—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		
1	2	3	4	5	6	7	8	9
Rural:								
Male ..	33.89	34.44	35.01	35.58	36.16	36.76	2.87	0.574
Female ..	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
Urban:								
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
Total:								
Male ..	48.83	49.94	51.10	52.27	53.49	54.74	5.91	1.182
Female ..	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
Rural								
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
Urban								
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
Total								
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
Rural:								
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
Urban								
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
Total:								
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	Total Col 4+ Col 5)		Direct lending schemes	Bank tie up schemes	Total Col. 7 + 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	450.55	835	21,848	22,683
		1988-89 (Actual)	100.00	1,500.00	1,600.00	N.A.	311	21,190	21,501
		1989-90 (Anticipated)	100.00	1,500.00	1,600.00	N.A.	800	27,000	27,800
		1990-91 (Target)	200.00	1500.00	1,700.00	-	1,500	25,000	26,500
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	200.91	262.05	—	1,011	2,539	3,550
		1989-90 (Anticipated)	135.00	240.00	375.00	—	1,500	3,000	4,500
		1990-91 (Target)	135.00	240.00	375.00	—	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)	—	200.00	200.00	—	—	2,000	2,000
		1988-89 (Actual)	—	N.A.	N.A.	21.00	—	1,120	1,120
		1989-90 (Anticipated)	—	200.00	200.00	16.00	—	1,000	1,000
		1990-91 (Target)	—	200.00	200.00	20.00	—	1,000	1,000
4	Punjab Women and Children Development Welfare Corporation Limited	1985-86 (Actual)	0.10	141.22	141.32	4.00	1	3,956	3,957
		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)	10.00	120.00	130.00	N.A.	94	3,000	3,094
		1989-90 (Anticipated)	10.00	120.00	130.00	N.A.	90	3,000	3,090
		1990-91 (Target)	20.00	—	20.00	—	200.00	—	200.00
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	1,877.12	1,986.72	455.35	1,230	29,245	30,475
		1988-89 (Actual)	271.14	1,820.91	1,992.05	21.00	1,416	27,849	29,265
		1989-90 (Anticipated)	245.00	2,060.00	2,305.00	16.00	2,390	34,000	36,390
		1990-91 (Target)	355.00	1,940.00	2,295.00	20.00	3,200	29,000	32,200

ANNEXURE-X

Estimates of Direct (Construction) employment to be generated during the 7th Plan (1985-90) and the Annual Plans 1985-86, 1986-87, 1987-88, 1988-89, 1989-90 and 1990-91

(person days in lakhs)

Serial No.	Sub-Head of Development	Seventh Plan 1985-90 (Targets)	Annual Plan 1985-86 (Actual)	Annual Plan 1986-87 (Actual)	Annual Plan 1987-88 (Actual)	Annual Plan 1988-89 (Actual)	Annual Plan 1989-90 (Anticipated)	Annual Plan 1990-91 (Target)
1	2	3	4	5	6	7	8	9
1	Agriculture	.. 10.94	1.49	3.51	2.74	2.83	2.86	2.56
2	Minor Irrigation	.. 328.61	46.79	52.36	30.77	30.77	36.94	36.95
3	Soil Conservation	.. 96.00	16.83	16.00	16.60	16.60	18.50	26.00
4	Dairying and Milk Supply	.. 1.97	0.34	0.17	0.11	0.09	0.10	0.10
5	Forests	.. 187.55	45.75	38.00	38.50	38.75	31.79	26.00
6	Community Development and Panchayats	.. 85.15	15.67	19.04	12.00	13.00	12.00	12.00
7	Co-operation	.. 12.00	1.85	2.02	2.02	2.12	2.12	2.17
8	Irrigation	.. 1,012.63	71.56	70.40	72.08	76.42	90.72	90.73
9	Anti-water Logging Drainage and Flood Control	.. 92.50	19.33	20.50	12.28	19.27	29.73	39.93
10	Power	.. 660.15	55.75	71.49	73.02	89.27	95.72	88.09
11	Industries	.. 10.68	0.54	1.29	5.08	5.10	5.09	5.20
12	Roads and Bridges	.. 95.60	15.45	13.19	9.70	12.00	24.00	24.00
13	Rural Water Supply	.. 95.42	12.72	17.03	18.48	19.60	21.12	26.88
14	Housing	.. 55.91	11.94	12.50	6.61	10.07	14.86	14.86
15	Urban Development	.. 40.00	4.96	5.11	5.63	7.07	10.00	10.00
16	Public Works	.. 360.21	32.50	32.50	46.69	48.39	49.70	49.70
	Total	.. 3,145.32	353.48	375.11	352.31	391.62	445.12	455.17

ANNEXURE-XI

Estimates of direct (continuing) employment to be generated during the 7th Plan (1985-90) and the Annual Plans, 1985-86, 1986-87, 1987-88, 1988-89 and 1989-90

(Person years)

Serial No.	Sub-Head of Development	Seventh Plan 1985-90 (Targets)	Annual Plan 1985-86 (Actual)	Annual Plan 1986-87 (Actual)	Annual Plan 1987-88 (Actual)	Annual Plan 1988-89 (Actual)	Annual Plan 1989-90 (Anticipated)	Annual Plan 1990-91 (Target)
1	2	3	4	5	6	7	8	9
1. Agriculture and Allied Sector								
	(i) Agriculture	7270	4204	4453	5350	5987	6,262	6,524
	(ii) Minor Irrigation	928	833	863	875	875	938	1038
	(iii) Soil Conservation	1650	664	664	664	760	810	980
	(iv) Animal Husbandry	3328	2779	2922	3421	3461	3,557	3,560
	(v) Dairying and Milk Supply	95	27	30	130	136	140	150
	(vi) Fisheries	361	98	98	108	117	157	382
	(vii) Forests	800	650	650	650	650	650	680
	(viii) Community Development and Panchayats	88	45	78	78	88	88	88
	Total (1)	14520	9300	9758	11276	12074	12,602	13,402
2. Co-operation								
	(i) Co-operation	6173	4325	4477	4546	4546	4,648	4,893
	Total (2)	6173	4325	4477	4546	4546	4,648	4,893
3. Irrigation and Power								
	(i) Irrigation	—	—	—	—	—	—	—
	(ii) Anti Water Logging Drainage and Flood Control	—	—	—	—	—	—	—
	(iii) Power	18586	12809	13613	15880	18290	20,276	32450
	Total (3)	18586	12809	13613	15880	18290	20,276	32450
4. Industry and Minerals—								
	(i) Industry and Minerals	18,919	7,186	8,574	9,004	9,410	9,410	9505
	Total (4)	18,919	7,186	8,574	9,004	9,410	9,410	9606
5. Transport and Communication								
	(i) Civil Aviation	—	—	—	—	—	—	—
	(ii) Roads and Bridges	—	—	—	—	—	—	—
	(iii) Road Transport	3,267	2,239	2,295	2,305	2,330	2,400	2400
	(iv) Tourism	—	—	—	—	—	—	—
	Total (5)	3,267	2,239	2,295	2,305	2,330	2,400	2400

1	2	3	4	5	6	7	8	9	
6	Social and Community Services—								
	(i) General Education	..	7,883	1,238	3,262	4,168	4,850	5,337	5,246
	(ii) Technical Education	..	452	16	36	95	130	150	150
	(iii) Medical and Public Health	..	7,093	2,138	3,217	3,786	5,267	3,602	3,602
	(iv) Rural Water Supply	..	1,747	282	282	292	337	587	660
	(v) Housing	..	—	—	—	—	—	—	—
	(vi) Urban Development	..	960	417	387	389	672	773	880
	(vii) Information and Publicity	..	160	16	16	27	29	29	29
	(viii) Labour and Labour Welfare	..	455	199	249	265	276	358	369
	(ix) Wellfare of Scheduled Castes and Backward Classes	..	—	—	—	—	—	—	—
	(x) Social Welfare	..	—	—	—	—	—	—	—
	Total (6)	..	18,750	4,306	7,449	9,022	11,561	11,847	10,936
7	Economic Services—								
	(i) Other General Economic Services	..	240	108	130	145	153	126	139
	Total (7)	..	240	108	130	145	153	126	139
8	General Services—								
	(i) Printing and Stationery	..	343	131	136	176	227	201	201
	(ii) Public Works	..	—	—	—	—	—	—	—
	Total (8)	..	343	131	136	176	227	201	201
	Grand Total (1 to 8)	..	80,798	40,404	46,432	52,354	58,591	61,510	74,027

CHAPTER XIX

REVISED MINIMUM NEEDS PROGRAMME

Elementary Education—The elementary education under the 'Minimum Needs Programme' includes primary education age-group 6-11 years (I—V classes), Middle Education for the age-group 11-14 years (VI-VIII Classes) and non-formal education age-group 11—14 years. Allocations of these schemes provided for the Annual Plan 1990-91 have been devoluted to the districts.

Adult Education (15—35 age-group).—An allocation of Rs. 54.00 lakhs provided for the programme of 'Adult Education' for the year 1990-91 for setting up of Adult Education Projects in the educationally backward districts of the state. With the setting up of these centres, about 27000 illiterates would be made functionally literate. Apart from this, an allocation of Rs. 4.00 lakhs has also been provided for starting Jana Shikshan Nilayams during 1990-91.

Rural Electrification

Now that all the 12,126 inhabited villages in the State have been electrified by 10th May, 1976 the next step is to intensify and improve 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 of 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 augumentation and improvement of works.

A sum of Rs. 1500.00 lakhs has been provided for 1990-91.

Rural Water Supply

19.13. The problem of the safe drinking water is more acute in the rural areas, where sources of drinking water is unhygenic or the water available is not fit for drinking. The coverage of this scheme is limited to the scarcity villages in terms of the following criteria laid down by the Government of India:—

- (i) The villages which do not have the assured sources of drinking water within a reasonable distance (1.6 Km. now revised to 0.5.Km. or with a depth of 15 meters) ; or

- (ii) The villages where the sources of water supply is endemic to water borne diseases like Cholera, and Guninea Worms ; or

- (iii) The villages which suffer from excess salinity iron of flouride from its water supply.

19.14. There are 12,188 inhabited villages in the State, out of which 3,712 villages were identified as problem villages which fall in the category of scarcity villages under the above mentioned criteria laid down by the Government of India in this respect.

19.15. Water supply has been commissioned in 2,482 villages by the end of 31st March, 1985. So, in the beginning of the 7th Five-Year Plan, only 1,230 identified problem villages remained uncovered. The rise in the sub-soil water level in certain districts like Bathinda, Ferozepur, Faridkot and Sangrur and lowering down the sub-soil water table in other districts due to excessive pumping for irrigation has resulted in the deterioration of quality of underground water. As such, a large number of villages which were not included in the list of problem villages earlier fall now in the category of problem villages. For this purpose, a fresh survey for identifying such problem villages has been initiated in the State. The survey has been completed and 7,600 villages have been identified as problem villages according to the revised criteria laid down by the Government of India

19.16. During the 7th Five-Year Plan, an outlay of Rs. 70.00 crores is provided under the MNP in the State Plan, which is proposed to be supplemented with additional ARP funds to the extent of Rs. 40.00 crores for covering these villages. The formula for providing assistance under ARP requires to be revised by linking the assistance under ARP with State's efforts to tackle this problem so that the uniform pattern of all States is available for this important programme. In Annual Plan 1985-86, an expenditure of Rs. 8.54 crores under MNP and Rs. 4.83 crores under ARP was incurred and additional 170 sarcity villages were provided safe drinking water supply. During 1986-87 water supply has been provided to additional 180 problem villages with an expenditure of Rs. 10.47 crores under MNP and Rs. 7.27 crores under ARP. An expenditure of Rs. 11.48 crores was incurred for covering additional 171 villages under MNP and Rs. 6.98 crores was expanded under ARP for covering additional 137 villages during 1987-88. During 1988-89, an outlay of Rs. 13.00 crores has been provided to cover additional 156 villages under MNP. This programme is proposed to be supplemented with Rs. 10.00 crores under ARP for covering 130 additional villages. An outlay of Rs. 16.00 crores has been proposed under MNP for covering 224 villages and

Rs. 8.00 crores is proposed for covering 112 additional villages under ARP during 1989-90. Now the scheme has been transferred to the Districts.

Rural Sanitation ;

19.17. An outlay of Rs. 2.50 crores has been provided in the 7th Five-Year Plan for low cost Sanitation for providing flush type latrines in rural areas for mitigating the problem faced especially by women in this respect. During 1985-86, an amount of Rs. 4.50 lacs was expended as State Government share for construction of 600 (individual 350+250 insti) latrines in 115 villages. During 1986-87 and 1987-88, the programme has been continued with an allocation of Rs. 5.00 lacs as State share in each of these years. Since assistance from UNICEF was not available during 1986-87, the programme in the State was implemented with State efforts only. The State share was expanded (Rs. 1,800 per unit) with beneficiaries in the ratio of 50:50. In case of Scheduled Caste beneficiaries, the State increased its share from 50% to 75% by reducing the share of scheduled castes beneficiaries from 50 to 25%. In view of these facts, the importance of the scheme during 1987-88, an expenditure of Rs. 55.00 lacs was incurred for construction of 5500 latrines in the rural areas. An outlay of Rs. 100.00 lacs was provided for this scheme for construction of 8610 latrines during 1988-89. During 1989-90, an outlay of Rs. 100.00 has been provided for the construction of 8610 latrines with an estimated cost of Rs. 2,000 per unit, according to this funding pattern. Now, the scheme has been transferred to the Districts with effect from 1st April, 1990.

Houses for Rural Homeless.

19.18. This scheme is covered under the Revised Minimum Needs Programme. This programme accords high priority for the provision of house-site assistance for construction of houses for rural homeless workers. About 3 lacs families of landless workers mostly belonging to Scheduled Castes are allotted free house sites, each site measuring 100 sq. Yds. in the rural areas of the State. The work regarding the construction of houses on these sites, was undertaken by the Punjab Housing Development Board (PHDB) in 1978 in order to supplement the individual efforts of the beneficiaries. During Sixth Five-Year Plan (1980—1985), an expenditure of Rs. 1154.79 lacs was incurred and the Housing Board completed the construction of 24198 Houses up to March, 1985.

19.19. During Sixth Five-Year Plan, a survey of indentification of weaker sections in Punjab was conducted (Reference period September, December 1980) which revealed that there are only 22,187 homeless persons in rural areas of the State and in addition to the individual efforts, Punjab Housing Development Board completed the construction of 24198 houses for these people by the end of the March, 1985.

19.20. In view of these facts, no new construction by the Punjab Housing Development Board was envisaged during the 7th Five-Year Plan Period. The allottees of the free house sites, however, would continue to get loan assistance on priority basis, for the construction of houses in the rural areas, under RLEGP and village Housing Project Scheme. Accordingly, an amount of Rs. 324.00 lacs has been provided during the 7th Five-Year Plan period only to meet the repayment of HUDCO loan liability. An expenditure of Rs. 71.20 lacs and Rs. 69.24 lacs was incurred for this purpose during the year 1985-86 & 1986-87, respectively. During 1987-88, an expenditure of Rs. 66.37 lacs was incurred for meeting the HUDCO loan liability of houses constructed during 6th Five-Year Plan. An outlay of Rs. 55.44 lacs was provided for meeting this liability during 1988-89. During 1989-90, an outlay of Rs. 53.24 lacs has been provided for meeting this liability during this period.

Environmental Improvement of slums.

19.21. For Environmental Improvement of slums such as provision of drinking water, pucca drains, street lights, etc., an outlay of Rs. 500.00 lacs has been provided during 7th Five-Year Plan to cover the slum population of 3 lacs under this scheme. It may be pointed that the State provision under this scheme as loan to MCs is supplemented with their own funds also. A loan assistance of Rs. 31.00 lacs was given to MCs during 1985-86, in order to cover slum population of 190,456 persons under this scheme. During 1986-87, an expenditure of Rs. 62.00 lacs was provided as loan to MCP for this purpose in order to provide benefits to 1,80,576 slum dwellers. During 1986-87, an expenditure of Rs. 62.00 lacs was incurred under this programme for the benefit of 1,50,657 additional slum dwellers.

An outlay of Rs. 62.00 lacs had been provided in the annual Plan 1988-89 as loan assistance to the MCs for implementing the programme of Environmental Improvement of Slums for the benefit of additional 70,000 slum dwellers. An outlay of Rs. 62.00 lacs has been provided for this programme during 1989-90 to cover additional population of 70,000 persons during this period. Now, this scheme has been transferred to the Districts with effect from 1st April, 1990.

CHAPTER XX

WORLD BANK AIDED PROJECTS

Kandi Watershed and Area Development Project (Phase I) has been implemented in the Districts of Hoshiarpur and Ropar and was mainly confined to the Kandi Tract including Shivalik Hills situated to the North of Chandigarh-Ropar-Hoshiarpur-Dasuya Road. The project area originally comprised of 5 watersheds namely, Dholbaha, Janauri, Chohal, Maili and Patiala-Ki-Rao which was subsequently extended to 6 more watersheds namely, Mehengarwal, Saleran, Siswan, Budki, Tibba Nangal and Lalwan in the Kandi Tract and including agricultural lands north of Chandigarh-Ropar-Hoshiarpur-Dasuya Road which is affected by floods generated by heavy rains in Shivalik Hills. The main focus of the Project, however, remained on the Kandi Tract identified as most backward area in the State which lies within the civil districts of Hoshiarpur and Ropar. It covered an area of about 4600 Sq. Kms. (9 per cent of the total area of the State) and contains about 6 per cent of the Punjab's population.

20.2. In the background of problems identified, the project objectives enunciated in the World Bank Staff Appraisal Report, 1980, were :

- (i) To reverse man made ecological degradation—that had been going on in the lower foot-hills of Himalayas for decades, and
- (ii) To protect and develop agricultural lands prone to serious erosion and flooding.

20.3. Initially, the Project was for five years and the estimated cost was 51.05 crore, for development of five watersheds namely Dholbaha, Janauri, Maili, Chohal and Patiala-Ki-Rao. This pilot project for five years was undertaken for execution with effect from 1st April, 1980, although the Project Authorities were permitted to execute minor civil works and rehabilitation of upper watersheds under retroactive

financing even during 1979-80. However, the project cost was revised to Rs. 59.88 crore for 8 years and additional six watershed were taken up for development i.e. Mehengarwal, Saleran, Lalwan, Budki, Siswan and Tibba Nangal against committed loan of 30 million US Dollars upto March 31, 1988. Against this, the total expenditure incurred during the project period has been Rs. 59.50 crore.

20.4. Major physical achievements of the project upto 31st March, 1988 since inception of the project remained as under :—

- (i) Rehabilitation of upper catchment through reafforestation and afforestation-cum-soil conservation works over 37,528 hect. completed.
- (ii) Construction of Dholbaha, Maili and Janauri Dam has been completed.
- (iii) Installation of five deep tubewells is in progress whereas ten deep tubewells in the area of Chohal and Tibba Nangal watersheds have started irrigation to their command area.
- (iv) Land improvement works over 10789 hect. have been completed in addition to the construction of six water harvesting tanks for irrigating 200 hect. of their command area.
- (v) establishment of new orchards over 2,314 hect, and horticulture nurseries over 50 hect. have been completed.
- (vi) Under cattle improvement programme 2793 improved cattle have been exchanged for inferior ones, in addition to the artificial insemination of 15,606 cows and buffaloes in

the Kandi Area. Establishment of seven fodder banks-cum-service stations/milk collection centres has been completed.

(vii) Construction of two fish seed farms at Kutli (Ropar) and Hariana (Hoshiarpur) have been completed.

(viii) Works on Kandi Regional Research Station, at village Ballawal Saunkhri (Hoshiarpur) covering 130 hect. are in progress.

(ix) Feasibility Reports of 13 priority catchments have been finalised.

Integrated Watershed Development Project (Hills) Punjab.

20.5. With the successful implementation of Phase-I of the Project, another project has come into operation with effect from 1st September, 1989 and would complete in 1996. The total cost of this Project is Rs. 53.21 crore. The components relating to Irrigation and Fisheries have been dropped and a new component of Agriculture has been included. The basic concept of irrigated Agriculture project as was adopted in Phase-I has been changed to the rainfed agriculture through conservation of moisture in situ and establishment of vegetative (live) hedges on contour rather than the engineering works as was earlier conceived under Phase-I.

20.6. The project objectives are to verify and to promote low cost replicable and sustainable measures to :

- (a) Address 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 flooding and erosion and enhance yields in rainfed farming through soil moisture conservation in situ.

20.7. The project would endeavour to improve the standard of living and incomes of the population in the project area. The Project would embrace the

non-arable upper catchment and the lower largely rainfed farming areas of the selected 17 watersheds having an estimated area of 87520 hectares in 483 villages of the Kandi Tract.

20.8. An outlay of Rs. 700.00 lakh is provided for various components under this project for 1990-91 against the anticipated expenditure of Rs. 521.08 lakh during the current year as under :—

(Rs. in lakh)			
Component		Anti-expenditure 1989-90	Approved outlay 1990-91
Forest	..	261.50	310.00
Soil Conservation	..	147.67	175.00
Horticulture	..	14.78	20.00
Animal Husbandry	..	62.28	85.00
Agricultural Research (P.A.U.)	..	22.50	30.00
Watershed Planning and Implementation Office (W.P.I.O.)	..	11.35	20.00
Agriculture	..	1.00	60.00
Total	..	521.08	700.00

The various components of the Integrated Watershed Development Project (Hills) Punjab are discussed as under :—

1. Forest :

20.9. Upper catchments of Shivaliks are devoid of vegetation. This has resulted in severe erosion. Flash floods occur during rainy season and carry away a lot of top soil and debris which is spread in the fertile fields. This causes considerable damage to productive agricultural land. The work for protecting the upper catchment through development of vegetative cover, is to be carried through the Forest component. It is envisaged to cover an area of 2500 hectares under this component during 1990-91 in addition to other works such as construction of check dams, embankments of choes, plantation of live (Vegetative) hedges on contours, fire lines, forest roads etc. For this purpose, an enhanced outlay of Rs. 310.00 lakh is provided for 1990-91 as against the current year anticipated expenditure of Rs. 261.50 lakh.

2. Soil Conservation :

20.10. To tackle the menace of Soil erosion in the Kandi tract, an integrated watershed management programme is being implemented through this project in the selected watersheds. An amount of Rs. 175.00 lakh is provided for covering an area of 2200 hectares under this component during 1990-91.

3. Horticulture :

20.11. The development of Horticulture in the Kandi Area through the establishment of new orchards (300 hectares) on the farmers fields is to be made through the Horticulture component. In addition to the Development of progeny nurseries in the Kandi Tract, the training to the farmers (150) regarding latest techniques for the Horticulture Development is also being given under this component. An enhanced outlay of Rs. 20.00 lakh is provided for implementation of the work of this component in the Kandi Area during 1990-91 especially for the Development of progeny nurseries, training of farmers and purchase of land for the two new nurseries in Ropar and Hoshiarpur District as against the current year anticipated expenditure of 14.78 lakh.

4. Animal Husbandry :

20.12. Under this Project, artificial insemination facilities and supply of feed/Wheat-Bhusa or hay @ 50 per cent subsidy will continue during 1990-91 as in practice during 1989-90. An enhanced outlay of 85.00 lakh is provided for the artificial insemination of 1500 animals and supply of subsidised feed of 7000 quintals during 1990-91 as against the current year anticipated expenditure of Rs. 62.28 lakh.

5. Agricultural Research (Punjab Agricultural University)

20.13. Punjab Agricultural University has been assigned the responsibility of developing suitable varieties of farm, horticulture and forest crops in addition to the development of most suitable techniques for increasing the production of agriculture, horticulture and forestry under rainfed conditions. Micro watershed research on silt detention dams and

other soil conservation techniques is also included in the programme of research under P.A.U. at Kandi Regional Research Station Ballawal Saunkhri. It is envisaged to continue these Research trials during 1990-91 for the development of Kandi Area at an enhanced cost of Rs. 30.00 lakh as against the current year anticipated expenditure of Rs. 22.50 lakh.

6. Watershed Planning and Implementation office (WPIO)

20.14. WPIO has a key role to play for the proper implementation of the programme by the watershed team leaders under the project for achieving the ultimate goal of improving the socio-economic condition of the backward areas of Kandi tract. Physical and Financial Monitoring is also the responsibility of this office. From the year 1989-90, the project Director will be the controlling head of the budget head newly created and thus, appropriation and reappropriation of the budget will be the responsibility of this office. Reimbursement claims as usual, will be prepared by this office for onward submission to the Government of India/World Bank. Close Liaison between the Project components and Government of India and World Bank will be maintained by the project Director (Joint Development Commissioner). Preparation of feasibility reports of the selected watersheds will also be the responsibility of this office. An enhanced outlay of Rs. 20.00 lakh is provided under this scheme for 1990-91 as against the current year anticipated expenditure of Rs. 11.35 lakh.

7. Agriculture

20.15. Agriculture has been a missing link in the chain of Integrated Water Development Multi-disciplinary programme, the main objective of the Project is to enlighten the farmers of this backward tract by providing the latest Agricultural technology at their doorsteps which would ultimately improve the Crop potential of this area. It will cover District Ropar, which has not been covered under the main T&V Project of Agriculture Department. This component stands for reorganisation of Agriculture Department with a view to Integrate its field activities in the backward area of the State. An amount of Rs. 60.00 lakh is provided under the scheme for 1990-91.

Physical Performance of the Integrated Watershed Development Project (Hills), Punjab for the year 1988-89

Serial No.	Components/Category	Unit	1988-89 Achievement
1	Forest :		
	(i) Reforestation	.. (Hect.)	4500
	(ii) Soil Conservation Works	.. (Hect.)	4500
	(iii) Soil Conservation works in the catchment area of dams construction by Soil Conservation Department	(Hect.)	400
	(iv) Live hedges	.. (Rs.)	4,00,000
2	Animal Husbandry :		
	(v) Buildings	.. (No.)	4
	(i) Supply of cross breed cows/high yielding buffaloes	.. (No.)	400
	(ii) Breeding of local cows/buffaloes through A.I.	.. (No.)	2500
	(iii) Supply of inputs for laying out Demonstration plots	.. (No.)	1500
3	Soil Conservation :		
	(iv) Supply of feed on 50 per cent subsidy	.. (Qtls.)	6000
	(v) Supply of hay/wheat bhusa on 50 per cent subsidy	.. (Qtls.)	8000
	(i) Land shaping	.. (Hect.)	400
	(ii) Underground pipeline	.. (Hect.)	800
4	Horticulture :		
	(iii) Gully reclamation	.. (Hect.)	400
	(iv) Contour live hedges	.. (Hect.)	800
	(v) Water Harvesting	.. (Hect.)	300
	(i) Plantation of orchard	.. (Hect.)	300
	(ii) Plants to be supplied	.. (No.)	50,000
	(iii) Establishment of Nurseries	.. (No.)	2
	(iv) Planting of rainfed orchards	.. (Hect.)	15
	(v) Training of farmers	.. (No.)	150
Physical Achievement 1989-90			
Forest			
Soil Conservation	(i) Re-forestation	.. (Hect.)	4500
	(i) Bench Terracing	.. (Hect.)	245
	(ii) Contour line heads under	.. (Hect.)	331
	(iii) Under ground Pipe line	.. (Hect.)	907
	(iv) Gully Reclamation	.. (Hect.)	307
Animal Husbandry	(v) Water Harvesting	.. (Hect.)	360
	(i) Supply of Calf staster	.. (Calves)	1000
	(ii) Demonstration of urea treatment	.. (Dems.)	100
	(iii) Training of Farmers	.. (Farmers)	2000
	(iv) Holding of cattle shows	.. (Shows)	20
	(v) Late pregnancy ration	.. (Cows/Bufs.)	2000
	(vi) Supply of LN	.. (lit.)	3000
	(vii) Fodder Demonstration plots	.. (plots)	2000
	(viii) Livestock Reduction	.. (Animals)	180
	(ix) Breeding of cows/Buffaloes targets A.I.	.. (No.)	2050
Horticulture	(x) Training of unemployed youth as inseminators	.. (No.)	15
	Plantation	.. (Hect.)	392
Agriculture			

Intesrated Watershed Development Project, (Hills,) Punjab Target for 1990-91

Serial No.	Treatment	Unit	Vol.
I. Forest Department	1. Vegetative/Shrub barriers in trenches	.. ha.	87
	2. Afforestation	.. ha.	696
	3. Silviculture	.. ha.	244
	4. Vegetative barriers-Prod. Components	.. ha.	268
	5. Dry Masonary Structure	.. M ³	35000
	6. Vegetative check dams	.. M	40000
II. Soil Conservation Department Arable Lands	1. Contour Vegetative barriers	.. ha.	147
	2. Terrace repair and Vegetative reinforcement	.. ha.	609
	3. (i) Vegetative field boundaries	.. ha.	242
	4. Rainfed Hort. (Conversion of marginal lands)	.. ha.	5
	5. Gully Stabilization		
	(i) Masonary and concrete structure	.. M ³	12045
	(ii) Crate wire structure	.. M ³	18620
	6. Stream Bank Protection		
	(i) Crate wire structure	.. M ³	3780
	(ii) Vegetative Spurs	.. M	23000
7. Village ponds	.. No.	7	
8. Rehabilitation of village ponds	.. No.	12	
9. Makhawal Tanks	.. No.	4	
10. Water harvesting Tanks	.. No.	—	
III. Animal Husbandary Department	1. Livestock reduction	.. No.	761
	2. Supplementary feeding		
	(i) Late pregnancy	.. No.	1200
	(ii) Calf rearing	.. No.	599
3. On farm fodder production	.. ha.	50	
IV. Horticulture Department	Rainfed Horticulture Demonstration	.. ha.	16
V. Agriculture Department	Rainfed Crop. demonstration	.. ha.	836

Strengthening and Re-organisation of Agricultural Extension and Administration (T&V)

20.16. 'Strengthening and Re-organisation of Agriculture, Extension and Administration' popularly known as Training and Visit (T&V) Project has been introduced in the Seventh Five Year Plan. The object of the scheme/Project to re-organise the Agriculture component with a view to enabling it to integrate the field activities of Agriculture Department and to provide latest technology to the farmers at their doorsteps to boost Agricultural Production. In the first Phase, this scheme was started in the three districts namely Amritsar, Bhatinda and Hoshiarpur. Subsequently this project has been extended to the entire Kandi tract covering entire Distt. Ropar and blocks Dhar and Dera Bassi of Gurdaspur and Patiala districts respectively. This scheme, apart from educating the farmers to adopt latest/scientific techniques in the cultivation of their lands also has another component i.e. to keep the extension departmental staff i.e. subject matter specialists, Block Agricultural Officers and Agricultural Extension Officers, abreast of the latest agricultural techniques by organising seminars/workshops and refresher courses etc. In each district, the staff splits itself into groups for imparting training to the farmers by holding meetings periodically where the block agricultural officers and agricultural extension officers discuss the multifarious problems with the farmers thread bare and suggest suitable solutions at the spot. Under this scheme, an Agricultural Inspector is the primary consultant for a group of 1080 farming families. In this scheme, Punjab Agricultural University has also been involved to the desired extent in the Extension and Communication Centre. An enhanced sum of Rs. 343.00 lakh is provided to continue this World Bank Aided Project during 1990-91 as against the current year anticipated expenditure of 177.05 lakh.

Punjab Irrigation Project Phase-II :—

20.17. Keeping in view the fact that most of the surface water in the State has already been exploited, the main objective and thrust in the State is better water management and improved functioning to make the best utilization of available waters. The modernisation of the Irrigation system has been viewed in the context of World Bank assistance by importing modern machinery etc. for achieving this target. Besides, a thrust has also been aimed to lower the water table in South-West Districts of Punjab to ameliorate the suffering of the people. Further the help of the World Bank has also been desired to develop the most backward Kandi area of the State.

20.18. The project size of the Punjab Irrigation Project has been kept at approximately Rs. 459.70 crores at the current rupees dollar exchange rate. The World Bank assistance is of the order of Rs. 165.00 million US Dollars (IDA Credit SDR 117.7 million and IBRD loan of US Dollars of 15 million). It works out to 65 per cent of the cost. The entire amount of 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 a shorter period. The Project completion is expected by September, 1977 and loan/credit closing by March, 31, 1978.

20.19. The following Projects/Schemes are likely to be included in the World Bank Irrigation Project Phase-II with the outlays proposed during the year 1990-91.

(Rs. in lakhs)

Name of the Project/Component	Annual Plan 1990-91	
	Approved Outlay	Amount reimbursable by World Bank
Punjab Irrigation Project Phase-II-Projects/Schemes :		
1. Extension and Improvement of Shah Nehar Canal	1050.00*	568.83
2. Lining of Channels Phase-II	600.00	325.05
3. Providing gates and gearing to modernise the existing canals	86.00	46.59
4. Communication system on canals	25.00	13.54
5. Computer aided Design and Training	50.00	27.08
6. Setting up of Punjab Irrigation Management Training Institute	25.00	13.54
7. Low Dams in Kandi Area Phase-II	650.00	352.13
8. Installation of Tubewells	463.83	251.28
9. Lining of Water Courses Phase-II (CAD)	585.00	316.92
10. Pilot demonstration and carrying out studies in improving ground water level with artificial charge	..	..
11. Surface drainage project for lowering water table in South-West Districts of Punjab	556.00	301.21
12. Sub-surface drainage project for lowering Water table in south-west districts of Punjab	100.00	54.17
Total	4190.83	2270.34

*Out of Rs. 1200.00 lacs for Extension Improvement of Shah Nehar Canal Rs. 150.00 lacs of Canal Administration are not reimbursable, hence shown excluded.

20.20. The information with regard to outlay and expenditure and the amount reimbursable relating to various projects is given in the following Annexure :

ANNEXURE

ANNUAL PLAN 1990-91

(Projects assisted by IDA.—World Bank)

(Rs. in lakhs)

Name of the Project/Component	Seventh Plan 1985—90 outlay	Actual Expendi- ture 1985—88	Actual Expendi- ture 1988-89	Anticipated Expendi- ture 1989-90	Annual Plan 1990-91	
					Outlay	Amount reimburs- able by World Bank ;
1	2	3	4	5	6	7
1. Kandi watershed and Area development Project Phase-I	.. 5899.80	3365.88	Phase I Completed			
2. Integrated Watershed Development Project (Hills) Punjab	.. —	—	485.48	521.08	700.00	560.00
3. Strengthening and Reorganisation of Agriculture, Extension and Administration (T & V Scheme)	.. 500.00	66.60	162.44	177.05	343.00	205.80
4. Punjab Irrigation Project Phase-I	.. 5022.00	6271.52	801.29	795.00	Completed	
5. Punjab Irrigation Project Phase-II	.. —	—	—	—	4190.83	2270.34
Total	.. 11421.80	9704.00	1449.21	1493.13	5233.83	3036.14

CHAPTER XXI

DISTRICT PLANNING

Decentralised Planning has been the subject matter of discussion for quite sometime. The principle of decentralisation inherent in the new approach of the Planning Commission is being 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.

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 created a feeling of community participation. This contribution, however, varied from district to district.

3. During the annual plan 1990-91, an extensive exercise has been carried out to identify the schemes and programmes of each department which can be better implemented, supervised and coordinated at the district level. This includes primarily the beneficiary oriented and infrastructure intensive scheme. It is for the first time that an amount of Rs. 255.50 crores has been earmarked as devolution to the districts under various schemes. This is likely to mop up additional resources in the form of contribution by community wherever possible and lead to greater satisfaction on account of the sense of participation.

4. The guidelines for utilisation of these funds are being 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 will have to be ensured in a big way for creating educational infrastructure. The technical agencies of various Govt. Departments working at field level are required to work in a coordinated manner for the overall development of the State.

5. 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, it is presumed that the proper execution and implementation of individual departmental schemes is to be 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 at the level nearest to the implementation level.

6. 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 planning have been kept in view. A 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 Distt. 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;
- (vi) Any other related functions that may be assigned by the State Planning Board.

7. For the sake of convenience and to give reasonable amount of freedom to the Distt. Planning and Development Boards in formulation, implementation and monitoring of various developmental projects

in accordance with the felt needs of the people, the entire decentralised amount has been classified under the following four heads :—

(Rs. in crores)			
	Total	Rural	Urban
(a) Untied Funds	24.00	16.80	7.20
(b) Funds for infrastructural facilities	167.00	112.00	55.00
(c) Funds for specific schemes in operation in some districts	13.14	10.14	3.00
(d) Funds for human resources Development and beneficiary oriented programmes	51.36	33.16	18.20
Total	255.50	172.10	83.40

8. The department of Planning has issued detailed guidelines to the Distt., Planning and Development Boards for proper utilisation of these funds.

The Administrative Departments have been asked to give suitable delegation to their district heads in order to ensure that schemes/projects involving an amount upto Rs. 10.00 lacs are sanctioned at the distt. level and no reference is required to the State head-quarter. The Department of Planning has delegated its powers to accord administrative approval to various projects not exceeding an amount of Rs. 10.00 lacs to the Deputy Commissioners of the districts.

9. Some of the Departments have delegated powers to their Distt. officers whereas this is still pending on the part of the most of the departments. It is hoped that keeping in view the philosophy behind the decentralised planning, all the administrative departments will ensure adequate delegation and guidance to the distt., level officers to make this experiment a success.

10. The districtwise allocation of funds under the four heads as mentioned above in para 7 is annexed to this chapter. All the District Planning and Development Boards are expected to prepare the district Plan for the year 1990-91 in which the various development works alongwith allocation is required to be prioritised. However, during the current year, stress will be to complete the ongoing works to the extent possible within the financial constraints.

ANNEXURE A
Devolution/Allocation of Funds to all the Districts in the State

Name of the District	Untied Funds			Funds for creating Infrastructure facilities		
	R	U	T	R	U	T
Gurdaspur*	1.56	0.51	2.07	13.16	5.33	18.49
Amritsar	1.68	1.12	2.80	13.74	9.52	23.26
Kapurthala	0.85	0.25	1.10	5.07	1.74	6.81
Jalandhar	1.47	0.95	2.42	8.72	6.52	15.24
Hoshiarpur	1.40	0.28	1.68	8.32	1.92	10.24
Ropar*	1.14	0.24	1.38	7.00	1.65	8.65
Ludhiana	1.27	1.18	2.45	7.53	8.13	15.66
Ferozepur*	1.33	0.46	1.79	11.79	5.01	16.80
Faridkot	1.57	0.53	2.10	9.32	3.66	12.98
Bathinda*	1.50	0.46	1.96	9.12	3.15	12.27
Sangrur	1.40	0.50	1.90	8.33	3.43	11.76
Patiala*	1.63	0.72	2.35	9.90	4.94	14.84
Total	16.80	7.20	24.00	112.00	55.00	167.00

*These districts have been given Rs 20.00 lakhs each for the following blocks under category Infrastructure.

1. Anandpur Sahib
2. Talwandi Sabo
3. Abohar
4. Pathankot
5. Samana

A

to all the Districts in the State

(Rs. in Crores)

Funds for Beneficiary oriented schemes			Funds for Area specific schemes			Total Funds allocated		
R	U	T	R	U	T	R	U	T
2.87	1.43	4.30	1.39	0.33	1.72	18.98	7.60	26.58
4.07	2.81	6.88	0.54	0.45	0.99	20.03	13.90	33.93
1.72	0.94	2.66	0.01	—	0.01	7.65	2.93	10.58
2.75	1.28	4.03	0.44	0.36	0.80	13.38	9.11	22.49
2.39	0.87	3.26	1.63	0.05	1.68	13.74	3.12	16.86
1.75	1.36	3.11	2.61	0.48	3.09	12.50	3.73	16.23
2.35	1.90	4.25	0.22	0.21	0.43	11.37	11.42	22.79
3.10	1.47	4.57	0.38	0.38	0.76	16.60	7.32	23.92
3.17	1.52	4.69	0.66	0.02	0.68	14.72	5.73	20.45
2.81	1.16	3.97	0.24	0.02	0.26	13.67	4.79	18.46
3.48	2.10	5.58	0.88	0.41	1.29	14.09	6.44	20.53
2.70	1.36	4.06	1.14	0.29	1.43	15.37	7.31	22.68
33.16	18.20	51.36	10.14	3.00	13.14	172.10	83.40	255.50

R=Rural
U=Urban
T=Total

30/4/96

PART II

STATEMENTS

PART II
STATEMENTS

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STATEMENT I
SUB-HEADWISE OUTLAY AND EXPENDITURE

**ANNUAL
STATEMENT
HEADS OF
OUTLAY AND**

Code No.	Major Heads/Minor Heads of Development	Seventh Plan (1985-90) Agreed Outlay
1	2	3
I. AGRICULTURE AND ALLIED ACTIVITIES		
1 01	2401 00 Crop Husbandry	7790.00
	2402 00 Soil & Water Conservation	4265.00
	2403 00 Animal Husbandry	2612.37
	2404 00 Dairy Development	810.00
	2405 00 Fisheries	598.00
	2406 00 Forestry & Wild Life	3270.00
	2407 00 Plantations	—
	2408 00 Food, Storage and Warehousing	135.00
	2415 00 Agriculture Research and Education	1670.83
	2416 00 Agricultural Financial Institutions	2500.00
	2435 00 Other Agricultural Programmes:	
	2435 01 (a) Marketing and Quality Control	25.00
	2435 60 (b) Others (to be Specified)	—
	2425 00 Co-operation	5872.00
1 01	0000 00 Total: I	29548.20
II. RURAL DEVELOPMENT		
1 02	2501 00 Special Programmes for Rural Development:	
	2501 01 (a) Integrated Rural Dev. Programme (IRDP) and Allied Programmes	3210.40
	2501 02 (b) Drought Prone Area Programme (DPAP)	—
	2501 04 (c) Integrated Rural Energy Programme (IREP)	90.00
1 02	2505 00 Rural Employment:	
	2505 01 (a) NREP/Jawahar Rozgar Yojana (JRY)	1580.00
	2505 60 (b) Other Programmes (Employment Programme in rural areas)	—
1 02	2506 00 Land Reforms	
	2515 00 Other Rural Dev. Programmes (incl. Community Development and Panchayats)	3828.00
1 02	0000 00 Total: II	8709.40

PLAN 1990-91

I
DEVELOPMENT
EXPENDITURE

(Rs. in lakhs)

Actual Expenditure				1989-90		Annual Plan (1990-91)	
1985-86	1986-87	1987-88	1988-89	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
4	5	6	7	8	9	10	11
996.71	949.32	1058.17	1887.11	2589.00	2968.43	2765.85	2276.85
413.86	460.78	510.20	625.14	1278.00	1002.22	25.00	—
267.83	409.76	502.25	692.94	806.00	846.87	315.70	64.00
71.34	67.36	79.95	143.92	185.50	179.15	265.50	250.00
75.11	87.32	100.55	136.88	136.00	144.93	15.00	—
484.46	511.22	616.40	640.21	685.00	739.38	171.70	—
—	—	—	—	—	—	—	—
26.00	28.00	28.00	27.77	5.00	12.41	0.10	0.10
253.24	326.62	351.80	369.37	415.00	415.00	335.00	48.75
351.00	349.00	325.00	394.00	450.00	440.00	460.00	460.00
1.90	2.08	2.93	3.19	6.40	6.33	7.25	—
—	—	—	—	—	—	—	—
1279.61	1253.95	1391.11	1314.85	1671.50	1807.91	1720.00	1648.00
4221.06	4445.41	4966.36	6235.38	8227.40	8562.63	6081.10	4747.70
490.37	842.97	526.32	534.81	257.81	656.38	11.00	—
—	—	—	—	—	—	—	—
—	17.00	25.00	25.00	30.00	30.00	30.00	30.00
378.87	214.10	252.86	499.79	345.11	321.73	—	—
—	—	—	—	—	—	—	—
—	9.30	—	—	1.00	—	—	—
394.20	731.62	528.40	589.92	561.53	559.58	3.66	—
1263.44	1814.99	1332.58	1649.52	1195.45	1567.69	44.66	30.00

ANNUAL
STATEMENT
HEADS OF
OUTLAY AND

Code No.	Major Heads/Minor Heads of Development	Seventh Plan (1985-90) Agreed Outlay
1	2	3
1 03 0000 00	III. SPECIAL AREA PROGRAMMES	
	Integrated Water shed and Area Development Project	.. 2716.80
1 03 0000 00	Total (III)	.. <u>2716.80</u>
	IV. IRRIGATION AND FLOOD CONTROL	
1 04 2701 00	Major and Medium Irrigation	.. 26888.00
	2702 00 Minor Irrigation	.. 4812.00
	2705 00 Command Area Development	.. 1600.00
	2711 00 Flood Control (incl. anti-sea erosion, etc.)	.. 3700.00
1 04 0000 00	Total (IV)	.. <u>37000.00</u>
	V. ENERGY	
1 05 2801 00	Power	.. 163800.00
	2810 00 Non-conventional sources of Energy	.. 400.00
1 05 0000 00	Total (V)	.. <u>164200.00</u>
	VI. INDUSTRY AND MINERALS	
1 06 2851 00	Village and Small Industries	.. 1503.00
	2852 00 Industries (other than Village and Small Industries)	.. 10931.00
	2853 02 Mining	.. 40.00
1 06 0000 00	Total (VI)	.. <u>12474.00</u>
	VII. TRANSPORT	
1 07 3051 00	Ports & Light Houses	.. —
	3052 00 Shipping	.. —
	3053 00 Civil Aviation	.. 120.00
1 07 3054 00	Roads and Bridges	.. 9800.00
	3055 00 Road Transport	.. 8300.00
	3056 00 Inland Water Transport	.. —
	3075 00 Other Transport Services (to be specified)	.. —
1 07 0000 00	Total (VII)	.. <u>18220.00</u>

I
DEVELOPMENT
EXPENDITURE

(Rs. in lakhs)

Actual Expenditure				1989-90		Annual Plan (1990-91)	
1985-86	1986-87	1987-88	1988-89	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
4	5	6	7	8	9	10	11
391.85	406.82	458.67	485.48	615.50	521.08	700.00	73.00
391.85	406.82	458.67	485.48	615.50	521.08	700.00	73.00
4031.94	4716.12	5372.03	4071.40	3787.00	3526.00	4571.00	4436.00
543.98	577.38	620.49	790.37	1027.00	995.00	1744.00	1550.00
600.00	900.00	600.00	600.00	600.00	600.00	585.00	585.00
873.41	1025.21	770.77	1253.51	2230.00	2130.00	1606.00	1606.00
6049.33	7218.71	7363.29	6715.28	7644.00	7251.00	8506.00	8177.00
26985.00	39400.48	49219.00	39568.00	31752.00	32340.00	35000.00	35000.00
18.49	61.70	36.14	39.56	69.00	46.19	71.00	51.00
27003.49	39462.18	49249.00	39607.56	31821.00	32386.19	35071.00	35051.00
191.23	370.14	346.89	328.22	498.00	411.52	400.00	190.00
1714.98	3042.45	3675.17	2545.84	1857.00	2315.05	2531.00	2519.00
—	4.40	4.90	5.05	10.00	5.00	—	—
1906.21	3416.99	4026.96	2879.11	2365.00	2731.57	2931.00	2709.00
—	—	—	—	—	—	—	—
11.60	15.00	13.96	20.00	42.00	42.00	60.00	55.00
1343.49	1396.27	1192.20	1116.36	1300.00	1300.00	628.00	628.00
1195.29	1223.47	1696.10	1639.07	2030.00	1950.00	1890.00	1890.00
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
2550.38	2634.74	2902.26	2775.43	3372.00	3292.00	2578.00	2573.00

**ANNUAL
STATEMENT
HEADS OF
OUTLAY AND**

Code No.	Major Heads/Minor Heads of Development	Seventh Plan (1985-90) Agreed Outlay
1	2	3
1 08 0000 00	VIII. COMMUNICATIONS	
	IX. SCIENCE, TECHNOLOGY & ENVIRONMENT	
1 09 3425 00	Scientific Research (incl. S. & T.)	160.00
3435 00	Ecology & Environment	100.00
1 09 0000 00	Total (IX)	260.00
	X. GENERAL ECONOMIC SERVICES	
1 10 3451 00	Secretariat Economic Services	78.00
	a) State level	
	b) Devolution of funds to Districts	
3452 00	Tourism	200.00
3454 00	Surveys & Statistics	78.00
3456 00	Civil Supplies	
3475 00	Other General Economic Services - 20-Point Programme	10.00
1 10 0000 00	Total (X)	366.00
	XI. SOCIAL SERVICES	
	EDUCATION	
22 1 2202 00	General Education	7637.00
2203 00	Technical Education	2504.00
2204 00	Sports and Youth Services	608.00
2205 00	Art & Culture	458.00
2 21 0000 00	Sub-Total (Education)	11207.00
2 22 2210 00	Medical & Public Health	10350.00
2 23 2215 00	Water Supply & Sanitation	13050.00
2 23 2216 00	Housing (including Police Housing)	7374.00
2 23 2217 00	Urban Development (including State Capital Projects)	4075.00
2 24 2220 00	Information & Publicity	325.00
2 25 2225 00	Welfare of SC, ST and other Backward Classes	3500.00
2 26 2230 00	Labour and Employment	
	(i) Labour and Labour Welfare	350.00
	(ii) Special Employment Programme	
2 27 2235 00	Social Security & Welfare	548.00
2 27 2236 00	Nutrition	1650.00
2 28 2252 00	Other Social Services - Defence Services Welfare	152.00
2 00 0000 00	Total (XI)	52581.00
	XII. GENERAL SERVICES	
3 42 2056 00	Jails	500.00
2058 00	Stationery and Printing	300.00
2059 00	Public Works	1500.00
2070 00	Other Administrative Services (PSIPA)	125.00
3 00 0000 00	Total (XII)	2425.00
99 9999 99	Grand Total	328500.00

Plan 1990-91

I
DEVELOPMENT
EXPENDITURE

(Rs. in lakhs)

Actual Expenditure				1989-90		Annual Plan (1990-91)	
1985-86	1986-87	1987-88	1988-89	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
4	5	6	7	8	9	10	11
20.50	24.00	28.00	32.34	55.00	23.50	99.00	47.55
12.55	13.84	31.00	40.25	47.00	34.80	45.50	19.30
33.05	37.84	59.00	72.59	102.00	58.30	144.50	66.85
10.86	11.22	21.98	645.28	2100.50	1531.30	a) 167.00 b) 25550.00	5.00 20862.00
19.99	26.00	48.00	80.00	113.00	101.84	150.00	150.00
—	11.15	12.94	13.45	24.50	26.07	15.87	—
—	—	—	—	1.00	1.00	2.00	—
0.20	0.65	0.45	0.26	1.00	0.47	4.00	—
31.05	49.02	83.37	738.99	2240.00	1660.68	25888.87	21012.00
643.56	763.73	1080.43	1768.28	2129.26	1993.97	416.00	180.00
151.13	343.77	334.64	440.73	525.00	495.56	1000.00	710.00
55.64	72.76	161.65	451.83	703.42	1185.57	106.14	26.00
72.87	86.87	105.15	88.78	190.00	159.52	339.00	153.00
923.20	1267.07	1681.87	2749.62	3547.68	3834.62	1861.14	1069.00
734.14	1058.96	1133.12	1272.37	2100.00	1912.72	834.05	309.25
1358.43	1597.63	1748.29	2302.99	2550.00	2575.00	—	—
1044.13	1590.24	1437.80	1074.96	9070.00	9065.30	2590.56	2590.56
763.90	888.76	786.27	945.34	1158.00	1072.00	930.00	930.00
72.92	95.15	107.57	132.20	201.00	201.00	201.00	—
360.41	521.44	631.70	647.17	700.00	660.85	257.60	233.00
58.49	126.14	135.79	127.09	217.12	195.40	255.00	157.00
—	—	—	—	—	—	—	—
91.97	157.19	127.61	255.09	230.00	231.00	70.40	55.00
217.47	238.00	239.42	275.40	275.00	274.00	—	—
21.95	28.18	70.03	39.33	52.00	47.00	53.00	24.00
5647.01	7568.76	8099.47	9821.56	20110.80	20068.89	7052.75	5367.81
45.71	65.00	57.07	66.30	570.00	500.00	340.00	340.00
66.88	64.94	47.63	55.84	109.85	92.09	224.12	28.15
211.86	348.15	376.01	502.34	455.00	643.00	784.00	784.00
27.00	30.00	30.00	45.00	72.00	64.91	154.00	150.00
351.45	508.09	510.71	669.48	1206.85	1299.97	1502.12	1302.15
49448.32	67563.55	79051.81	71650.33	78900.00	79400.00	90500.00	81109.71

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9
101 2401 00 CROP HUSBANDRY								
001 Direction and Administration :								
A(P) 1.1	Reorganisation of Agriculture Department ..	90.00	46.18	17.54	20.00	20.00	—	—
1.1								
A(P) 1.2	Strengthening and Reorganisation of Agriculture Extension and Administration (T and V Scheme)	500.00	66.60	162.44	271.00	177.05	343.00	149.00
1.2								
A(P) 1.3	Planning Cell in the Directorate ..	6.25	1.19	1.03	2.00	2.50	—	—
1.3								
A(P) 1.4	Intensive High Yielding Varieties Programme (Staff thereof)	290.00	270.04	112.77	125.00	140.00	—	—
1.4								
	Total : 001	886.25	384.01	293.78	418.00	339.55	343.00	149.00
002 Foodgrains & Crops :								
A(P) 2.1	Integrated Programme for Rice Development (IPRD)	—	—	—	—	32.50	129.00	—
	Total 002	—	—	—	—	32.50	129.00	—
103 Seeds :								
A(P) 3.1	Seed Certification Authority	10.00	17.43	8.00	8.00	10.00	—	—
2.1								
A(P) 3.2	Seed Testing Laboratory ..	25.00	13.47	5.97	8.00	8.72	—	—
2.2								
A(P) 3.3	Implementation of Seed Control Order under the Essential Commodity Act, 1955	11.00	—	—	—	—	—	—
2.3								
A(P) 3.4	Subsidy on Certified Seed of Wheat ..	—	—	—	50.00	25.00	—	—
2.5								
	Total 103	46.00	30.90	13.97	66.00	43.72	—	—
105 Manures and Fertilizers :								
A(P) 4.1	Soil Testing Laboratories including Mobile Soil Testing Laboratories	170.00	132.07	59.55	70.00	84.81	—	—
3.1								
A(P) 4.2	Fertilizer Quality Control Laboratories] ..	68.00	7.23	10.56	18.50	10.47	—	—
3.2								
A(P) 4.3	Efficient Utilisation of Inputs—Use of Micro-nutrients	39.00	20.34	6.54	10.00	10.00	—	—
3.3								
	Total 105	277.00	159.64	76.65	98.50	105.28	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9
107 Plant Protection :								
A(P) 5.1	Ground Spraying of Crops/Mobile Ground Spraying Units	800.00	343.20	119.86	125.00	122.10	—	—
5.1								
A(P) 5.2	Loans for Aerial Spraying of Crops	400.00	86.10	—	—	—	—	—
5.2								
A(P) 5.3	Intensification of Plant Protection Works	50.00	36.96	28.25	30.00	30.00	20.00	—
5.3								
A(P) 5.4	Control of Pests and diseases of Agricultural Importance in endemic Area including Weed Control (Sharing basis)	453.00	0.98	—	0.10 (Token)	—	—	—
5.4								
A(P) 5.5	Insecticides Testing Laboratories	32.00	52.85	23.65	33.00	26.42	—	—
5.5								
A(P) 5.6	Establishment of Pests and Diseases Surveillance Service in Punjab	40.00	—	—	0.10	—	3.20	—
5.6								
A(P) 5.7	Control of pests on Cotton (Sharing basis)	—	167.43	—	0.10	—	—	—
5.7								
Total 107		1775.00	687.52	171.76	188.30	178.52	23.20	—
108 Commercial Crops :								
A(P) 6.1	Development of Sugarcane	250.00	137.33	60.69	67.00	67.00	—	—
4.1								
A(P) 6.2	Integrated Cotton Development Project, Malout	20.00	11.68	4.73	5.00	5.97	—	—
4.2								
A(P) 6.3	Intensive Cotton Development Programme (Sharing)	225.00	100.35	59.90	70.00	75.00	24.22	—
4.3								
Total 108		495.00	249.36	125.32	142.00	147.97	24.22	—
109 Extension and Training :								
A(P) 7.1	Farmers Training and Education in HYVP-Running of Farmers Training Centres in the State	180.00	111.66	45.51	57.00	61.45	—	—
6.1								
A(P) 7.2	Grant to Institutions for Organising Training Camps	40.00	27.10	9.30	9.00	12.00	—	—
6.2								
A(P) 7.3	Strengthening of Agricultural Information Centres at State/District level	10.00	—	—	—	—	—	—
6.3								
A(P) 7.4	Study Tour of Farmers	—	—	2.00	2.00	2.00	3.00	—
6.4								
Total 109		230.00	138.76	56.81	68.00	75.45	3.00	—

ANNUAL PLAN : 1990-91
STATEMENT II SCHEMES
OUTLAY AND EXPENDITURE
HAED : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
110 Crop Insurance :								
A(P) 8.1 9.1	Comprehensive Crop Insurance	..	—	—	0.10 (Token)	—	0.10	—
Total 110		..	—	—	0.10	—	0.10	—
111 Agricultural Economic and Statistics :								
A(P) 9.1 10.1	Field Staff of Statistical Wing of Agriculture Department	..	3.50	0.40	0.35	2.35	0.62	—
A(P) 9.2 10.2	Timely Reporting Revised Calendar Operation of Improved Crop Statistics (Sharing basis)	..	25.00	9.89	4.94	5.50	5.36	—
A(P) 9.3 10.3	Sample Survey of study of constraint in transfer of technology for increasing Agricultural Production	..	2.50	1.38	1.63	1.50	2.08	—
A(P) 9.4 10.4	Agricultural Census (Sharing)	..	0.50	0.65	0.46	0.50	0.48	0.40
A(P) 9.5 10.5	Setting up of Crop Cutting Machinery for Block Level Estimates	..	—	—	—	—	—	—
Total 111		..	31.50	12.32	7.38	9.85	8.54	0.40
112 Development of Pulses :								
A(P) 10.1 4.4	National Pulses Development Project (Sharing basis)	..	25.00	13.63	6.27	11.50	11.50	14.00
Total 112		..	25.00	13.63	6.27	11.50	11.50	14.00
113 Agricultural Engineering :								
A(P) 11.1 7.1	Intensification of Farm Mechanisation and Popularisation of Improved Agricultural Implements	..	—	41.03	32.43	35.00	39.00	—
A(P) 11.2 7.2	Popularisation of Improved Agricultural Implements	..	75.00	0.61	—	—	—	—
A(P) 11.3 7.3	Setting up of Machinery Hiring Units and establishment of Agro Service Centres for Small Implements and Machinery (Sharing basis)	..	50.00	7.04	—	—	—	—
Total 113		..	125.00	48.68	32.43	35.00	39.00	—

ANNUAL PLAN 1990-91
STATEMENT II: SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
114. Development of Oilseeds :								
A(P)	12.1 National Oilseeds Development Project (Sharing basis)	—	30.62	14.66	23.00	31.73	21.88	—
	4.5							
	Total 114	—	30.62	14.66	23.00	31.73	21.88	—
115 Small and Marginal Farmers:								
A(P)	13.1 Assistance to Small and Marginal Farmers on I.R.D. Pattern (Sharing basis)							
	11.1							
	(i) Agriculture Deptt.	1240.00	217.48	89.92	118.00	116.00	—	—
	(ii) Horticulture Deptt.	7.50	—	—	—	—	—	—
	(iii) Soil Conservation Deptt.	52.50	17.02	6.52	10.00	9.00	—	—
	(iv) Forest Deptt.	100.00	11.30	—	—	—	—	—
	Total 115	1400.00	245.80	96.44	128.00	125.00	—	—
119. Horticulture and Vegetable Crops:								
A(P)	14.1 Establishment of Department of Horticulture (Staff)	160.00	153.24	66.08	65.00	84.00	—	—
	8.1							
A(P)	14.2 Strengthening of Horticulture Deptt. in the State (New Staff)	50.00	—	—	—	—	—	—
	8.2							
A(P)	14.3 Development of Horticulture	200.00	105.78	44.33	49.00	49.00	—	—
	8.3							
A(P)	14.4 Control of Insects Pests and diseases	120.00	35.12	12.21	19.00	19.00	0.10	—
	8.5							
A(P)	14.5 Production and Multiplication of Vegetable seed and Development of vegetables in the State	52.00	27.72	16.66	19.00	19.00	—	—
	8.6							
A(P)	14.6 Demonstration-cum-fruit preservation Laboratories and Community Canning Centres	30.00	15.76	6.74	8.00	8.00	—	—
	8.7							
A(P)	14.7 Setting up of Analytical Laboratory	50.00	11.42	—	7.00	30.00	0.10	—
	8.8							
A(P)	14.8 Setting up of Information and Training Centres at Zonal Level	15.00	2.38	2.27	4.00	4.00	4.00	—
	8.9							
	Total 119	677.00	351.42	148.29	171.00	213.00	4.20	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
800 Other Expenditure :								
A(P)	15.1 Dry Land Farming (Sharing)	100.00	0.55	—	—	—	—	—
	14.1							
A(P)	15.2 Bee keeping	11.00	8.49	13.85	30.00	19.80	—	—
	14.2							
A(P)	15.3 Establishment of Remote Sensing Application Centre in Punjab	—	25.00	47.00	30.00	30.00	75.00	—
	14.3							
	Total 800	.. 111.00	34.04	60.85	60.00	49.80	75.00	—
190 Investment in Public Sector and other Undertakings :								
A(P)	16.1 Share Capital to Punjab State Seeds Corporation	700.00	200.00	—	50.00	—	75.00	75.00
	12.1							
A(P)	16.2 Share Capital to Punjab Agro Industries Corporation	1000.00	410.00	775.00	1116.00	1555.62	2052.75	2052.75
	12.2							
A(P)	16.3 Share Capital to Regional Rural Banks	11.25	7.50	7.50	3.75	11.25	0.10	0.10
	12.3							
	Total 190	.. 1711.25	617.50	782.50	1169.75	1566.87	2127.85	2127.85
101	240100 Total Crop Husbandry	.. 7790.00	3004.20	1887.11	2589.00	2968.43	2765.85	2276.85

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakh)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91		
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
1 01 240800	FOOD STORAGE AND WAREHOUSING								
	01 Food :								
A(P) 17.1	Acquisition of land for open plinths	—	6.00	2.77	—	—	—	—	
	15.1								
A(P) 17.2	Construction of Storage Godown at Dhuri ..	10.00	1.00	—	—	—	—	—	
	15.2								
	Total 01	10.00	7.00	2.77	—	—	—	—	
	02 Storage and Warehousing :								
A(P) 17.3	Construction and Operation of Warehousing (Sharing basis—CWC)	125.00	75.00	25.00	5.00	12.41	0.10	0.10	
	15.3								
	Total 02	125.00	75.00	25.00	5.00	12.41	0.10	0.10	
1 01 240800	Total Food Storage and warehousing	135.00	82.00	27.77	5.00	12.41	0.10	0.10	
	1 01 2415 00 Agricultural Research and Education :								
A(P) 18.1	Punjab Agricultural University Ludhiana—Crop Husbandry—								
	16.1								
004	Research	}	1278.20	698.77	260.86	{ 145.84 125.85 38.31 }	{ 310.00 }	185.29	35.75
277	Education								
800	Other Expenditure (Extension)								
	Total Agricultural Research and Education	1278.20	698.77	260.86	310.00	310.00	235.00	39.75	
	Animal Husbandry—								
(a)	Research	..	330.13	} 232.89	108.51	{ 73.20 31.80 }	{ 105.00 }	58.50	4.00
(b)	Teaching	..	62.50					31.50	5.00
(c)	Extension Schemes	..						10.00	—
	Total (Vety. Education and Research)		392.63	232.89	108.51	105.00	105.00	100.00	9.00
1 01 2415 00	Total	1670.83	931.66	369.37	415.00	415.00	335.00	48.75	

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : AGRICULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
1 01 2416 00 Agricultural Financial Institutions :								
A(P) 19.1	Support to Ordinary and Special Debentures—							
17.1	(i) Agriculture Department	.. 340.00	190.00	70.00	70.00	70.00	125.00	125.00
	(ii) Soil Conservation Department	.. 100.00	44.00	20.00	30.00	30.00	25.00	25.00
A(P) 19.2	Purchase of debentures of SCLMB for the purchase of tractors and Agricultural Implements	1425.00	445.00	150.00	150.00	150.00	125.00	125.00
17.2								
A(P) 19.3	ARC scheme for the reclamation of Alkaline Soils	74.00	2.00	1.00	1.00	1.00	15.00	15.00
17.3								
A(P) 19.4	Grant of loans for fruit plantation—debenture support to Horticulture	116.00	44.00	20.00	20.00	15.00	22.50	22.50
17.4								
A(P) 19.5	Gobar Gas Plants—Debenture Support	.. 15.00	—	—	1.00	1.00	2.50	2.50
17.5								
A(P) 19.6	Dairy Development	.. 200.00	208.00	110.00	145.00	145.00	100.00	100.00
17.6								
A(P) 19.7	Poultry, Piggery, Sheep Breeding, Cattle Feed Processing Units and Camel Carts etc.	.. 200.00	78.00	10.00	20.00	15.00	40.00	40.00
17.7								
A(P) 19.8	Fish Culture	.. 15.00	6.00	8.00	8.00	8.00	2.50	2.50
17.8								
A(P) 19.9	Farm Forestry	.. 15.00	8.00	5.00	5.00	5.00	2.50	2.50
17.9								
	1 01 2416 00 Total	.. 2500.00	1025.00	394.00	450.00	440.00	460.00	460.00
101 2435 00 Other Agricultural Programmes :								
01 Marketing and Quality Control:								
102 Grading and Quality Control Facilities :								
A(P) 20.1	Grading of Foodgrains and Oilseeds in regulated Market	.. 25.00	6.91	3.19	6.40	6.33	7.25	—
18.1								
	1 01 2435 00 Total 01	.. 25.00	6.91	3.19	6.40	6.33	7.25	—
	Grand Total Agriculture	.. 12120.83	5049.77	2681.44	3465.40	3842.17	3568.20	2785.70

Note : Figures in the denominator indicate old scheme Number.

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SOIL CONSERVATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
101240200 Soil and Water Conservation :								
001 Direction and Administration :								
SC(A) 1.1	Strengthening of Soil Conservation Organisation	..	—	—	—	—	2.00	—
Total 001		..	—	—	—	—	2.00	—
101 Soil Survey and Testing :								
SC(A) 2.1	Soil Survey in the State	..	90.00	49.98	28.22	28.00	42.68	3.00
SC(A) 1.1								
SC(A) 2.2	Preparation of Soil and Water resources inventory for land use Planning through aerial and remote sensing techniques	..	10.00	7.67	—	—	—	—
SC(A) 1.2								
Total 101		..	100.00	57.65	28.22	28.00	42.68	3.00
102 Soil Conservation :								
SC(A) 3.1	Soil and Water Conservation on watershed basis in kandi non-Project areas.	..	580.00	269.53	139.45	120.00	128.38	—
SC(A) 3.2								
SC(A) 3.2	Soil and Water Conservation Programme in other areas of the State.	..	375.00	204.17	87.87	90.00	98.72	—
SC(A) 3.3								
SC(A) 3.3	Pilot Demonstration Soil Conservation-cum-Development Project in Kandi tract on Sukhc. majri Pattern.	..	100.00	51.38	8.97	50.00	73.28	—
SC(A) 3.4								
SC(A) 3.4	Water Harvesting Technology in ecologically handicapped areas	..	70.00	32.96	16.58	32.00	29.75	—
SC(A) 3.5								
SC(A) 3.5	National Watershed Development Programme for Rainfed Agriculture	..	—	14.89	8.81	10.00	9.72	—
SC(A) 3.6								
SC(A) 3.6	Scheme for removal of sand from the Agricultural Land damaged during floods, 1988.	..	—	—	—	500.00	191.00	—
SC(A) 3.7								
Total 102		..	1125.00	572.93	261.68	802.00	530.85	—

Note : Figures in the denominator under col. 1 indicate the Old Scheme Nos.

ANNUAL PLAN 1990-91
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SOIL CONSERVATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
103 Land Reclamation and Development:								
SC(A)4.1	Reclamation of Alkali Soils (Sharing basis)...	3000.00	547.24	262.12	200.00	299.96	—	—
A(P)13.1(a)								
SC(A)4.2	Reclamation of kallar lands in Punjab ..	—	197.09	68.70	240.00	119.96	—	—
A(P)13.1(b)								
	Total 103	..	3000.00	744.33	330.82	440.00	419.92	—
109 Extension and Training:								
SC(A)5.1	Training, Research and Demonstration. ..	40.00	9.93	4.42	8.00	8.77	2.00	—
SC(A)2.1								
	Total 109	..	40.00	9.93	4.42	8.00	8.77	2.00
800 Other Expenditure :								
SC(A)6.1	Provision for Machinery division at Headquarters	—	—	—	—	—	18.00	—
	Total 800		—	—	—	—	18.00	—
	Total 101240200	..	4265.00	1384.84	625.14	1278.00	1002.22	25.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Code No	Name of the Scheme/Projects	Seventh Plan (1985-90) agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual plan 1990-91		
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	
1 01 2403 00 ANIMAL HUSBANDRY									
109. Extension and Training—									
AH	1.1	Inservice Training and higher Education	—	1.00	1.00	2.00	2.00	2.00	—
	1.3								
AH	1.2	Extension Service and Publicity in Animal Husbandry	—	6.25	7.24	7.65	13.86	6.00	—
	1.4								
109—Total			—	7.25	8.24	9.65	15.86	8.00	—
001 Direction and Administration—									
AH	2.1	Strengthening of offices of District Animal Husbandry Officers/Project Officers/Intensive Cattle Development Project, Punjab	18.00	1.09	—	3.00	0.67	—	—
	1.2								
001—Total			18.00	1.09	—	3.00	0.67	—	—
101. Veterinary Services and Animal Health —									
AH	3.1	Opening of new Vety. hospitals	100.00	51.01	25.25	51.00	39.16	—	—
	2.1								
AH	3.2	Upgradation of Vety. dispensaries into Vety. hospitals/providing of building facilities to the Vety. dispensaries in the rural areas	194.61	52.12	32.83	71.22	55.83	—	—
	2.2								
AH	3.3	Expansion of Punjab Vety. Vaccine Institute, Ludhiana	46.66	26.67	16.46	13.65	13.85	—	—
	2.3								
AH	3.4	Prophylactic vaccination against Foot and Mouth	30.00	16.71	5.84	6.00	6.00	—	—
	2.4								
AH	3.5	Expansion of State Vety. Medical Store, Jalandhar	10.00	3.20	1.29	1.82	1.74	—	—
	2.5								
AH	3.6	ICAR—Scheme All India Coordinated Research Project for Epidemiological studies on foot & mouth	1.70	3.03	2.36	2.26	3.02	—	—
	2.6								
AH	3.7	CSS—Foot and Mouth disease control programme—Project for vaccination of cattle and buffaloes in selected areas	92.50	52.40	19.50	19.50	19.50	21.00	—
	2.7								
AH	3.8	Estt. of Vety. Polyclinics at District headquarters	162.69	99.55	35.74	84.00	95.81	—	—
	2.8								
AH	3.9	Setting up of State Vety. Council	5.98	2.64	1.33	2.00	2.00	—	—
	2.9								
AH	3.10	Strengthening of existing Vety. hospitals at Districts and sub-divisional headquarters	217.71	169.82	60.68	63.50	74.63	—	—
	2.12								

Note : The figures given in denominator under col.—1 denotes the old schemes numbers,

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91		
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
AH 3.11 2.13	CSS—Systematic control of livestock diseases of National importance and other related aspects	50.00	26.97	5.31	8.17	0.26	—	—	
AH 3.12 2.14	Strengthening of Old Vety. institutions	165.80	—	—	—	—	—	—	
AH 3.13 2.15	Residential quarters for staff of Vety. hospitals and dispensaries in rural area	186.20	—	—	10.00	10.00	—	—	
AH 3.14 2.16	CSS—Provision for life saving drugs	52.87	8.00	—	—	—	—	—	
101 Total		1316.72	512.12	206.59	333.12	321.80	21.00	—	
102 Cattle and Buffaloes Development—									
AH 4.1 5.3	CSS—Special Livestock breeding programme— Assistance to small/marginal farmers and Agricultural labourers for rearing of cross-bred heifers	92.29	26.22	17.99	25.15	25.15	—	—	
AH 4.2 5.5	Strengthening of cattle breeding farms	56.53	68.20	31.29	28.00	36.81	—	—	
AH 4.3 5.6	Setting up of Bull Station-cum-semen banks and L.N. plants, Kapurthala and strengthening of semen bank Patiala, Nabha and Verka	113.28	77.11	35.65	40.50	41.63	20.00	3.00	
AH 4.4 5.7	State Fodder seed production Farm Kule-Majra	25.95	11.82	3.28	5.50	5.28	—	—	
AH 4.5 5.8	CSS—Special livestock breeding programme— implementation of Poultry, Piggery and Sheep production programme through small/marginal farmers and Agri. labourers	50.11	17.71	9.96	10.00	13.33	—	—	
AH 4.6 5.9	Providing of Frozen Semen facilities in the State	260.00	52.42	112.84	100.00	102.16	140.00	3.00	
AH 4.7 5.10	CSS—For development of indigenous breeds of cattle and buffaloes	—	3.50	3.48	3.00	3.00	—	—	
102 Total		598.16	256.98	214.49	212.15	227.36	160.00	6.00	
103 Poultry Development—									
AH 5.1 6.1	Strengthening/modernisation of State Poultry Farms & Estt. of Poultry disease diagnostic and feed analytical laboratory	72.18	74.38	32.23	35.00	38.70	40.00	5.00	
AH 5.2 6.3	To provide financial assistance to Punjab Poultry Development Corporation	50.00	20.00	100.00	73.00	73.00	50.00	50.00	
AH 5.3	Estt. of Quail breeding Farm	—	—	—	—	—	4.00	2.00	
103 Total		122.18	94.38	132.23	108.00	111.70	94.00	57.00	

ANNUAL PLAN 1990-91
STATEMENT-II- SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
104 Sheep and Wool Development—								
AH 6.1 7.1	Supply of exotic/cross-bred rams for cross-breeding at sheep and wool extension centres and to bonafide sheep breeders ..	12.00	8.78	3.56	4.00	4.29	—	—
AH 6.2 7.2	Provision of intensive health cover through sheep and wool extension centres ..	15.00	9.00	3.00	3.00	3.00	3.50	—
AH 6.3 7.3	Setting up of sheep breedings farm for fat lamb production ..	37.75	21.59	3.47	7.20	6.55	7.00	—
AH 6.4 7.4	Expansion of sheep breeding farms Mattewara/Dhar ..	33.48	14.52	5.81	7.30	5.90	—	—
	104 Total ..	98.23	53.89	15.84	21.50	19.74	10.50	—
105 Piggery Development :								
AH 7.1 8.1	Strengthening of Pig breeding Farms ..	80.70	69.37	27.79	27.50	32.55	—	—
	105 Total ..	80.70	69.37	27.79	27.50	32.55	—	—
106 Other Livestock Development								
AH 8.1 9.3	Setting up of Polytechnic for Animal Husbandry and Agri. training ..	35.30	15.12	11.70	7.32	6.42	6.70	1.00
AH 8.2 9.5	Expansion of buffaloes breeding farm, Bir Dosanjh, Nabha ..	17.07	4.01	—	—	—	—	—
AH 8.3 9.6	Estt. of Horse and Mule Breeding Centres ..	16.00	7.38	1.74	4.00	4.09	—	—
AH 8.4 9.7	Science and Technology—modernisation of govt. farms ..	5.00	3.00	1.90	2.00	2.00	3.00	—
	106 Total ..	73.37	29.51	15.34	13.32	12.51	9.70	1.00
107 Fodder and Feed Development—								
AH 9.1 10.1	Intensification of existing Forage — Planting Material Production Farms ..	18.46	12.37	6.25	5.70	6.83	—	—
AH 9.2 10.3	Production and popularisation of newly evolved fodder varieties ..	228.95	119.19	54.37	57.50	81.24	—	—
	107 Total ..	247.41	131.56	60.62	63.20	88.07	—	—

ANNUAL PLAN 1990-91
STATEMENT-II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Code No.	Name of the scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91		
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	
113 Administrative Investigation and Statistics—									
AH	10.1 Integrated survey in livestock survey and livestock products	..	17.00	10.30	4.90	4.70	6.22	—	—
	4.1								
AH	10.2 Estimation of production assessment of livestock development programme of cultivated fodder	..	10.00	4.86	1.94	2.15	2.53	—	—
	4.2								
AH	10.3 CSS—Sample survey on estimation of production of milk, egg, wool & meat	..	10.60	0.34	0.14	2.15	—	2.50	—
	4.3								
AH	10.4 CSS-Livestock Census	..	—	—	—	1.00	3.00	—	—
	4.4								
AH	10.5 Evaluation of performance of buff. bulls/cross-bred bulls in the field condition-Progeny testing programme/Herd book Registration/ Strengthening of Statistical Units	..	20.00	8.19	4.82	4.56	4.86	10.00	—
	9.1								
	113 Total	..	57.60	23.69	11.80	14.56	16.61	12.50	—
	Grand Total	..	2612.37	1179.84	692.94	806.00	846.87	315.70	64.00

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : DAIRYING AND MILK SUPPLY

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
101 2404 00 Dairy Development:								
001 Direction and Administration —								
DM	1.1 Strengthening of Headquarter staff Dairy Development staff	5.00	1.70	2.25	1.50	1.50	—	—
	1.1							
	001 Total	5.00	1.70	2.25	1.50	1.50	—	—
102 Dairy Development Project:								
DM	2.1 Scheme for providing Self-Employment to rural Unemployed educated Youth, Ex-3.1(a) servicemen & widows by introducing of (b)&(c) scientific/Commercialised milk production	179.50	61.32	32.02	44.75	40.35	—	—
DM	2.4 Scheme for the establishment of Milk Chilling-cum-demonstration centres in the border, submontane, bet and backward areas of the State.	70.00	22.23	1.59	1.00	2.01	—	—
	3.2							
DM	2.5 Intensification of milk production-providing of subsidies for the const. of model cattle sheds to small and marginal farmers	24.00	13.80	6.66	7.00	7.00	—	—
	5.2							
	102 Total	273.50	97.35	40.27	52.75	49.36	—	—
109 Extension and Training :								
DM	3.1 Scheme for Extension, Training and education in improved methods of dairying to milk producers.	35.50	20.50	16.00	22.00	22.00	15.50	—
	2.1							
DM	3.2 Scheme for training of technical personnel— Grant-in-aid	5.00	2.65	2.00	2.00	2.00	—	—
	2.2							
	109 Total	40.50	23.15	18.00	24.00	24.00	15.50	—
191 Assistance to Cooperatives and other bodies:								
DM	4.1 Share capital contribution to primary co-operative milk societies, unions & milk Federation	150.00	85.00	80.00	100.00	100.00	250.00	250.00
	4.1							
DM	4.2 Assistance to milk federation for milk processing, manufacturing and city distribution programme	220.00	—	—	—	—	—	—
	4.2							
DM	4.3 Land Water Supply , Expansion of existing plants and working capital of day to day milk payments	50.00	—	—	—	—	—	—
	4.3							
	191 Total	420.00	85.00	80.00	100.00	100.00	250.00	250.00
800 Other Expenditure:								
DM	5.1 Establishment of Govt. laboratory to bring in quality control for cattle feed concentrates and mineral mixture and testing equipment	66.00	11.45	3.40	7.00	4.29	—	—
	5.3							
DM	5.2 Scheme for registration of creameries and dhojies to ensure the marketing of pure hygienic milk in urban areas	5.00	—	—	0.25	—	—	—
	5.4							
	800 Total	71.00	11.45	3.40	7.25	4.29	—	—
	Grand Total	810.00	218.65	143.92	185.50	179.15	265.50	250.00

Note. The figures given in denominator under col. 1 denotes the old schemes numbers.

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : FISHERIES

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
1 01 2405 00 Fisheries :								
001 Direction and Administration:								
FH 1.1	Strengthening of staff at Headquarter and in sub-offices and strengthening of Economic and Statistical wing in Fisheries Department	28.00	10.62	5.67	7.00	7.07	3.00	—
FH 1.1 & 7.1								
	001 Total	.. 28.00	10.62	5.67	7.00	7.07	3.00	—
101 Inland Fisheries								
FH 2.1	Estt. of new Fish Seed Farms/Completion & modernisation of existing fish seed farms	95.00	28.52	36.34	30.00	29.66	—	—
FH 3.1								
FH 2.2	Fish Culture in Shah Nehar Reservoir	.. 25.00	12.46	3.39	—	—	—	—
FH 3.2								
FH 2.3	Development of Fisheries in Kandi Water Shed and Area Dev. Project Phase-II	70.00	80.59	11.52	10.00	14.90	—	—
FH 3.4								
FH 2.4	Estt. of two 5 Hect. Fish Seed Farms for fish farmers Dev. Agency, Ludhiana and Sangrur	80.00	29.11	5.84	—	—	—	—
FH 3.5								
FH 2.5	Estt. of two 10 Hect. Fish Seed Hatcheries	.. 100.00	38.96	32.24	25.00	28.70	—	—
FH 4.1								
FH 2.6	Promotion of intensive fish culture by providing Assistance to Private/Coop. Sector and Rehabilitation of Ex-servicemen	15.00	9.67	5.80	6.00	6.00	—	—
FH 6.1								
FH 2.7	Assistance to Fish Farmers Development Agencies, in State	120.00	40.00	27.75	50.00	50.00	—	—
FH 6.2								
FH 2.8	Scheme for setting up a pitutary Bank and Brood fish stock by exploitation of Nangal Lake	7.00	—	—	—	—	—	—
FH 6.3								
	101 Total	.. 512.00	239.31	122.88	121.00	129.26	—	—
102. Estuarine/Brackish Water Fisheries:								
FH 3.1	Scheme for the Development of Brackish Water fish farming in the State	5.00	3.00	0.87	—	—	—	—
FH 7.2								
	102 Total	.. 5.00	3.00	0.87	—	—	—	—
109 Extension & Training:								
FH 4.1	Creation of information and extension division	50.00	8.22	6.50	7.00	7.60	—	—
FH 2.1								
FH 4.2	Training of Fisheries Personnel	.. 3.00	1.83	0.96	1.00	1.00	2.00	—
FH 2.2								
FH 4.3	Scheme for setting up of Fisheries Extension Units in the State	—	—	—	—	—	10.00	—
	109 Total	.. 53.00	10.05	7.46	8.00	8.60	12.00	—
	Grand Total	.. 598.00	262.98	136.88	136.00	144.93	15.00	—

Note.—The figures given in denominator under col. 1 denotes the old schemes numbers.

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : FORESTS

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
101240600 Forestry and Wild Life:								
01 Forestry:								
005 Survey and Utilisation of Forest Resources:								
Ft. 1.1	Estt. of Planning and Statistical Cell	10.00	2.13	1.56	1.75	1.95	—	—
Ft. 6.1	Total—005	10.00	2.13	1.56	1.75	1.95	—	—
070 Communication and Buildings :								
Ft. 1.2	Construction of Buildings	150.00	14.74	5.00	5.00	5.00	—	—
Ft. 4.1	Total—070	150.00	14.74	5.00	5.00	5.00	—	—
102 Social and Farm Forestry :								
Ft. 2.1	Development of Infrastructure for the protection of Forests (CSS-State Share)	—	—	—	10.37	10.37	25.00	—
Ft. 3.1								
Ft. 2.2	Fuel wood and Fodder Project (CSS-State Share)	900.00	439.43	89.82	95.00	106.31	125.00	—
Ft. 3.2	Rural Fuelwood Plantation and Afforestation of Eco-Sensitive Non-Himalayan Areas (CSS-State share)							
Ft. 2.3	Raising of Forest plantation in Government lands	680.00	546.20	289.43	287.00	325.71	—	—
Ft. 3.3								
Ft. 2.4	Farm Forestry	400.00	289.39	100.88	114.00	119.87	—	—
Ft. 3.7								
Ft. 2.5	Establishment of Silvopastoral farms (CSS State Share)	10.00	—	10.00	10.63	10.63	—	—
Ft. 3.8								
Ft. 2.6	Soil and Water conservation on watershed basis	70.00	34.02	15.20	17.00	17.74	—	—
SC(F) 4.1								
Ft. 2.7	Area Oriented Fuel wood/fodder Projects (CSS-State Share)	—	—	—	7.00	—	—	—
Ft. 3.9								
	Total—102	2060.00	1309.04	505.33	541.00	590.63	150.00	—
109 Extension and Training :								
Ft. 3.1	Extension, Training and Education in the state	100.00	8.65	3.50	4.00	3.90	2.20	—
Ft. 2.1								
	Total—109	100.00	8.65	3.50	4.00	3.90	2.20	—

Note :—Figures in the denominator under Col. 1 indicate the old scheme Nos.

ANNUAL PAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : FORESTS

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
800 Other Expenditure :								
<u>Ft. 4.1</u>	Demarcation and settlement of Forest areas ..	20.00	2.99	3.00	4.00	4.10	—	—
<u>Ft. 7.1</u>								
<u>Ft. 4.2</u>	Acquisition of critically eroding/located lands ..	100.00	0.89	—	0.75	0.38	—	—
<u>Ft. 7.3</u>								
<u>Ft. 4.3</u>	State Share Capital of equity in Forest Corporation ..	20.00	9.00	—	—	—	—	—
<u>Ft. 7.2</u>								
<u>Ft. 4.4</u>	Forest Research ..	300.00	30.44	11.39	10.00	10.00	14.00	—
<u>Ft. 1.1</u>								
	Total—800	440.00	43.32	14.39	14.75	14.48	14.00	—
62 Environmental Forestry and Wild Life :								
110 Wild Life Preservation :								
<u>Ft. 5.1</u>	Strengthening of Wild Life preservation wing ..	100.00	56.92	24.32	30.00	31.43	—	—
<u>Ft. 5.1</u>								
<u>Ft. 5.2</u>	Wild Life Education and Interpretation Programme (CSS—State Share) ..	—	—	1.00	1.25	1.25	1.25	—
<u>Ft. 5.1 (a)</u>								
<u>Ft. 5.3</u>	Control of Poaching and illegal trade in Wild Life (CSS—State Share) ..	—	—	1.04	1.25	1.25	1.25	—
<u>Ft. 5.1 (b)</u>								
<u>Ft. 5.4</u>	Establishment of Tiger Safari at Ludhiana ..	—	—	15.00	14.00	14.00	1.00	—
<u>Ft. 5.3 (b)</u>								
<u>Ft. 5.5</u>	Assistance for the development of selected Zoos (CSS—State Share) ..	10.00	—	1.25	2.00	1.00	2.00	—
<u>Ft. 5.2 (c)</u>								
	Total—110	110.00	56.92	42.61	48.50	48.93	5.50	—
111 Zoological Parks :								
<u>Ft. 6.1</u>	Expansion of Zoological Park at Chhat Bir	400.00	177.28	67.82	70.00	74.49	—	—
<u>Ft. 5.2(a)</u>								
	Total—111	400.00	177.28	67.82	70.00	74.49	—	—
	Grand Total	3270.00	1612.08	640.21	685.00	739.38	171.70	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : COOPERATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
101242500 Cooperation								
001 Direction and Administration								
CN 1.1	Additional Departmental staff	800.00	312.70	140.00	140.00	191.19	11.20	—
CN 1.1	Total 001	800.00	312.70	140.00	140.00	191.19	11.20	—
003 Training :								
CN 2.1	Training of Co-operative Subordinate Personnel	5.00	3.40	1.00	2.00	2.00	2.00	—
CN 8.2	Total 003	5.00	3.40	1.00	2.00	2.00	2.00	—
004 Research and Evaluation :								
CN 3.1	Assistance to Punjab Co-operative Union for research and case studies	8.00	2.50	1.00	1.00	1.00	1.00	—
CN 8.3	Total 004	8.00	2.50	1.00	1.00	1.00	1.00	—
101 Audit of Co-operatives :								
CN 4.1	Staff for audit of Co-operative Societies in the State	199.50	72.98	36.32	39.90	42.62	5.80	—
CN 10.1	Total 101	200.00	73.07	36.37	40.00	42.72	5.80	—
CN 4.2	Training and Education of Audit Staff	0.50	0.09	0.05	0.10	0.10	—	—
CN 10.2	Total 101	200.00	73.07	36.37	40.00	42.72	5.80	—
107 Assistance to Credit Co-operatives :								
CN 5.1	Share Capital contribution to Apex, Central and Primary Credit Institutions and Societies	700.00	294.98	86.98	75.00	75.00	190.00	190.00
CN 5.2	Assistance to Central Cooperative Banks/ Primary Agricultural Service Societies as bad deb' reserves and for consumption loan (Risk Fund)	95.00	44.52	12.00	10.00	10.00	10.00	—
CN 5.3	Loan Assistance to Cooperative Societies/ Credit Institutions in the Cooperatively under-developed States and special areas for non-over due cover	—	407.50	100.00	100.00	100.00	100.00	100.00
CN 5.4	Assistance to Cooperative Banks/Agricultural Service Societies for waiving of loans upto Rs. 10,000	—	—	—	—	—	10.00	—
CN 5.5	Assistance to Punjab State Cooperative Agricultural Development Bank Ltd. to strengthen the Credit Rehabilitation Fund	—	—	—	—	—	1.00	—
CN 5.6	Investment in share capital of the Punjab State Co-operative Agricultural Development Bank Ltd.	—	—	—	—	—	7.00	7.00
Total 107		795.00	747.00	198.98	185.00	185.00	318.00	297.00

Note:—Figures in the denominator under Col. 1 indicate the old Scheme Nos.

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
Head : COOPERATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expen- diture	1988-89 Actual Expen- diture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expen- diture	Approved Outlay	Of Which capital content
1	2	3	4	5	6	7	8	9
108	Assistance to other Co-operatives :							
	Co-operative Processing							
CN 6.1	Assistance to Markfed for setting up processing units	.. 1069.00	215.00	—	400.00	—	90.00	90.00
CN 4.1								
CN 6.2	Share Capital contribution for expansion and installation of Cooperative Sugar Mills	.. 1242.00	1591.00	625.00	680.00	1184.00	1000.00	1000.00
CN 5.1								
CN 6.3	Assistance to Cooperative Sugar Mills for installation of distillery and Effluent Treatment Plants	.. 90.00	30.00	—	—	—	—	—
CN 5.2								
CN 6.4	Assistance to Spinfed for expansion and setting up Spinning Units	.. 718.00	324.50	250.00	160.00	160.00	241.00	241.00
CN 6.1								
CN 6.5	Assistance to Spinfed for setting up of Central Laboratory for testing quality of cotton and yarn	.. 24.00	31.50	—	—	—	—	—
CN 6.3								
	Co-operative Storage :							
CN 6.6	National grid for construction of rural godowns	.. 100.00	—	—	—	—	—	—
CN 2.6								
CN 6.7	Construction of wheat storage godowns—NCDC-II Project	.. 463.00	302.00	—	—	—	—	—
CN 3.2								
	Consumer Co-operatives							
CN 6.8	Contribution to Share Capital of Central Consumer Stores and State Federation	.. 25.00	15.00	5.00	5.00	5.00	5.00	5.00
CN 7.1								
CN 6.9	Assistance to State Cooperative Consumers Federation and Weak Central Consumer Stores for rehabilitation	.. 1.00	—	—	—	—	—	—
CN 7.2								
	Total 108	.. 3732.00	2509.00	880.00	1245.00	1349.00	1336.00	1336.00
109	Agriculture Credit Stabilisation Fund :							
CN 7.1	Assistance to Central Co-operative Banks for Agriculture Stabilisation Fund	.. 100.00	15.00	40.00	20.00	20.00	20.00	—
CN 2.3 (a)								
CN 7.2	Loan Assistance to Punjab State Co-operative Bank for Agricultural Stabilisation Fund.	.. —	122.00	1.00	1.00	1.00	—	—
CN 2.3 (b)								
	Total 109	.. 100.00	137.00	41.00	21.00	21.00	20.00	—

ANNUAL PLAN 1990-91
STATEMENT II: SCHEMES
OUTLAY AND EXPENDITURE
HEAD : COOPERATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
190 Assistance to Public Sector and other undertakings :								
CN 8.1	Assistance to Punjab State Co-operative Land Mortgage Bank for development of long-term structure	.. 50.00	—	—	—	—	—	—
CN 2.5								
CN 8.2	Assistance to Markfed for contribution as share capital in national level projects for production of inputs	.. 50.00	1.00	—	20.00	—	5.00	5.00
CN 3.1								
CN 8.3	Share Capital contribution for rehabilitation of MARKFED	.. 50.00	105.00	—	—	—	—	—
CN 4.2								
CN 8.4	Assistance to State Level Federation of Agricultural Processing Societies (Spinfed)	.. 5.00	1.00	4.00	—	—	5.00	5.00
CN 6.2								
CN 8.5	Share Capital contribution to Co-operative Cold Storages and Cold Stores Federation	.. 4.00	1.00	—	—	—	—	—
CN 9.1								
Total 190		.. 159.00	108.00	4.00	20.00	—	10.00	10.00
277 Education ;								
CN 9.1	Assistance to Punjab Co-operative Union for Education, Training and Publicity.	.. 62.00	32.00	12.50	12.50	16.00	16.00	5.00
CN 8.1								
Total 277		.. 62.00	32.00	12.50	12.50	16.00	16.00	5.00
800 Other Expenditure :								
CN 10.1	<i>Ad hoc</i> provision as matching State Share for New Centrally Sponsored Scheme—Failed tubewells	.. 11.00	—	—	5.00	—	—	—
CN 2.7								
Total 800		.. 11.00	—	—	5.00	—	—	—
Total Sub-head Cooperation		.. 5872.00	3924.67	1314.85	1671.50	1807.91	1720.00	1648.00
Remaining Schemes reflected under other Sub-heads :								
Housing								
223221600 Housing								
CN 5.1(1)	Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy	.. 200.00	100.00	50.00	75.00	75.00	150.00	150.00
CG 5.1								
Total 104		.. 200.00	100.00	50.00	75.00	75.00	150.00	150.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : COOPERATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
Dairying and Milk Supply								
101240400 Dairy Development :								
102 DM 4.1	Share Capital Contribution to Primary Co-operative Milk Societies, Union and Milk Federation	.. 150.00	85.00	80.00	100.00	100.00	250.00	250.00
DM 4.2	Assistance to Milkfed for milk processing, manufacturing and City Distribution Programme	.. 220.00	—	—	—	—	—	—
Total 102		.. 370.00	85.00	80.00	100.00	100.00	250.00	250.00
Industry and Minerals								
106285100 Village and Small Industries								
110 IN 9.1	Participation in the Share capital of Industrial Cooperatives including Apex Handloom/Primary Handloom Weavers Cooperative Societies	.. 62.00	39.41	17.83	14.50	17.83	—	—
IN 9.2	Subsidy to Central Co-operative Banks for advancing loans to Industrial Co-operatives including Handloom Weavers Cooperative Societies at concessional rate of interest	.. 1.00	0.02	—	—	—	—	—
IN 9.3	Market Development Assistance and rebate to Apex Handloom and Primary Handloom Weavers Co-operative Societies	.. 25.00	15.63	20.00	5.50	20.50	—	—
IN 9.4	Development of Handloom Industry-supply of approved appliances	.. 50.00	—	—	—	—	—	—
IN 9.5	Financial Assistance to Punjab State Apex Handloom Co-operative Society for setting up Processing units	.. 5.00	0.15	1.00	—	0.44	—	—
IN 9.6								
Total 110		.. 143.00	55.21	38.83	20.00	38.77	—	—
Total Remaining Programmes		.. 713.00	240.21	168.83	195.00	213.77	400.00	400.00
Grand Total Co-operation Department		.. 6585.00	4164.88	1483.68	1866.50	2021.68	2120.00	2048.00

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : RURAL DEVELOPMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6	7	8	9
102250100—SPECIAL PROGRAMME FOR RURAL DEVELOPMENT								
01—Integrated Rural Development Programme (IRDP)								
100 (i) IRDP (Main Programme)								
001 Direction and Administration								
CD 1.1(a)	Staff for the Integrated Rural Development Programme at State Headquarters	30.40	12.66	4.98	8.00	9.00	8.00	—
CD 4.5(a)								
CD 1.1 (b)	Monitoring Cell at the State Headquarter under I.R.D.P.	13.00	3.98	1.59	2.30	3.00	3.00	—
CD 4.5(b)								
	Total—001	43.40	16.64	6.57	10.30	12.00	11.00	—
003 Training :								
CD 1.3	Expenditure on Training under IRDP	105.70	164.46	50.54	22.93	62.93	—	—
CD 4.1 (a)								
	Total—003	105.70	164.46	50.54	22.93	62.93	—	—
101 Subsidy to District Rural Development Agencies :								
CD 1.4	Subsidy to Rural Development Agencies under Integrated Rural Development Programme	845.60	1315.69	404.38	183.43	503.43	—	—
CD 4.1(b)								
	Total—101	845.60	1315.69	404.38	183.43	503.43	—	—
200 (ii) Allied Programmes of IRDP								
CD 1.5	Scheme for strengthening Administration (Block level)	105.70	164.46	50.55	22.93	62.93	—	—
CD 4.1(c)								
	Total—201	105.70	164.46	50.55	22.93	62.93	—	—
CD 1.6	Development of Women and children in rural areas (DWCRA)	100.00	32.20	16.14	10.20	10.20	—	—
CD 4.2								
	Total—202	100.00	32.20	16.14	10.20	10.20	—	—

Note :— Figures in the denominator under col. No. 1 indicate old scheme Nos.

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : RURAL DEVELOPMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6	7	8	9
203 Training :								
CD 1.7	Strengthening of Training Infrastructure under TRYSEM }	10.00	12.23	6.63	8.02	4.89	—	—
CD 4.4								
	Total—203	10.00	12.23	6.63	8.02	4.89	—	—
800 Expenditure on other Programmes :								
CD 1.10	Interest subsidy on loans to be advanced to the economically weaker sections under IRDP in rural areas	2000.00	153.98	—	—	—	—	—
CD 4.3								
	Total—800	2000.00	153.98	—	—	—	—	—
	Total—01	3210.40	1859.66	534.81	257.81	656.38	11.00	—
102250500 Rural Employment ;								
01 National Programme :								
	Jawahar Rozgar Yojana (CSS State Share) ..	—	—	—	345.11	321.73	—	—
National Rural Employment Programme :								
NREP 1.1	Farm Forestry	316.00	187.52	99.39	—	—	—	—
NREP 2.1	Pavement of Streets, Construction of Drains and other schemes for village betterment	1264.00	658.31	400.40	—	—	—	—
	Total—01	1580.00	845.83	499.79	345.11	321.73	—	—
102250600 Land Reforms :								
104	Assistance to Allottees of Surplus land ..	—	9.30	—	1.00	—	—	—
	Total—104	—	9.30	—	1.00	—	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : RURAL DEVELOPMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6	7	8	9
102251500 Other Rural Development Programmes :								
001 Direction and Administration								
CD 2.1	Additional staff at State/District Headquarters ..	5.00	—	—	1.00	—	—	—
CD 1.1		<hr/>						
Total—001 ..		5.00	—	—	1.00	—	—	—
<hr/>								
003 Training :								
CD 2.2	Study tour of non-officials ..	2.00	0.68	0.28	0.40	0.40	0.60	—
CD 2.1		<hr/>						
CD 2.3	Promotion and strengthening of Mahila Mandals ..	40.60	24.36	8.12	10.00	10.00	—	—
CD 2.2		<hr/>						
CD 2.4	Composite Programme for Women and Pre-School Children ..	56.00	33.70	11.25	11.40	11.40	—	—
CD 3.2		<hr/>						
Total—003 ..		93.60	58.74	19.65	21.80	21.80	0.60	—
<hr/>								
101 Panchayati Raj :								
CD 2.5	Financial Assistance to Panchayati Raj Institutions for Revenue Earning Schemes ..	300.00	136.19	100.55	75.00	75.30	—	—
CD 3.1		<hr/>						
CD 2.6	Pavement of Streets, Construction of Drains and disposal of sullage water ..	3000.00	1237.00	380.00	380.00	380.00	—	—
CD 3.3		<hr/>						
CD 2.7	Assistance to Panchayats for construction of Panchayat Ghars ..	150.00	60.00	20.00	20.00	20.00	—	—
CD 3.4		<hr/>						
CD 2.8	Matching Grants to Panchayats for development works ..	200.00	133.00	50.00	50.00	50.00	—	—
CD 3.5		<hr/>						
CD 2.9	Grant-in-aid to Panchayat Samitis/Zila Parishads for Integrated Development of villages of Historical/Religious importance ..	40.00	21.29	6.73	6.73	6.73	—	—
CD 3.6		<hr/>						
Total—101 ..		3690.00	1587.48	557.28	531.73	532.03	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : RURAL DEVELOPMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expen- diture	1988-89 Actual Expen- diture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expen- diture	Approved Outlay	Of Whic Capital Conten
1	2	3	4	5	6	7	8	9
102 Community Development :								
CD 2.10 CD 3.8	State Institute of Rural Development (CSS State Share)	.. 30.00	8.00	4.99	6.00	4.75	—	—
CD 2.11 CD 3.7	Popularisation of improved chullas in Rural areas	.. 5.00	—	—	—	—	—	—
	Total—102	.. 35.00	8.00	4.99	6.00	4.75	—	—
800 Other Expenditure :								
CD 2.12 CD 3.9	Issue of Yellow Cards for identification of weaker sections	.. —	—	8.00	1.00	1.00	3.06	—
	Total—800	.. —	—	8.00	1.00	1.00	3.06	—
	Total—102251500	.. 3828.60	1654.22	589.92	561.53	559.58	3.66	—
	Grand Total	.. 8619.00	4369.01	1624.52	1165.45	1537.69	14.66	—

ANNUAL PLAN 1990-91
STATEMENT II SCHEMES
OUTLAY AND EXPENDITURE
HEAD : INTEGRATED RURAL ENERGY PROGRAMME

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of Which Capital content
1	2	3	4	5	6	7	8	9
02 2501 04	Integrated Rural Energy Programme (To be executed by Science & Technology Department)	90.00	42.00	25.00	30.00	30.00	30.00	30.00

ANNUAL PLAN 1990-91

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INTEGRATED WATERSHED DEVELOPMENT PROJECT (HILLS) PUNJAB

(Rs. in lakh)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expen- diture	1988-89 Actual Expen- diture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Antici- pated Expen- diture	Approved Outlay	of Which capital content
1	2	3	4	5	6	7	8	9
1 03 0000 00 III Special Area Programmes								
2575 00 Other Special Area Programmes								
02 Backward Areas :								
101	Forest	.. 1400.00	619.39	225.61	258.00	261.50	310.00	—
102	Soil Conservation	.. 725.00	353.27	155.36	175.00	147.67	175.00	50.00
103	Horticulture	.. 135.00	45.31	11.82	14.00	14.78	20.00	1.50
105	Animal Husbandry	.. 295.00	139.91	62.25	75.00	62.28	85.00	16.50
106	Agricultural Research (PAU)	.. 121.80	78.82	20.55	22.50	22.50	30.00	5.00
107	Project Planning, Co-ordination & Monitoring Unit (PP & CU)	.. 40.00	20.64	9.89	11.00	11.35	20.00	—
108	Agriculture	.. —	—	—	60.00	1.00	60.00	—
	Total	.. 2716.80	1257.34	485.48	615.50	521.08	700.00	73.00

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE

HEAD : IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		1990-91	
					Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
1 04 0000 00	Irrigation and Flood Control :							
2701 00 1	Major and Medium Irrigation Schemes :							
	01 Major Irrigation (Commercial) :							
IR 1.1	Extension and Improvement of Shah Nehar Canal	2000.00	932.51	961.72	550.00	550.00	1200.00	1200.00
IR 1.2	Lining of Channels Phase-I	4442.00	5108.44	768.27	700.00	700.00	600.00	600.00
IR 1.3	Lining of Channels Phase-II	9036.96	—	—	50.00	—	600.00	600.00
IR 1.4	Satluj Yamuna Link Canal—							
	(i) Main Canal	2900.00	3730.00	918.00	300.00	600.00	500.00	500.00
	(ii) Providing Irrigation facilities to Punjab areas	5454.00	2435.16	796.21	1550.00	950.00	1030.00	1030.00
IR 1.5	Extension of non-perennial Irrigation to areas in UBDC tract	250.00	92.28	50.00	65.00	65.00	40.00	40.00
IR 1.6	Remodelling of channels-Utilisation of SurPlus Ravi Beas Waters	250.00	222.12	118.67	100.00	100.00	60.00	60.00
IR 1.7	Raising lining of Bhakra Main Line Canal for providing free Board	34.00	10.00	9.94	10.00	—	10.00	10.00
IR 1.8	Construction of new Disty. Minors and Bridges	150.00	114.29	59.33	155.00	155.00	—	—
IR 1.9	Extension of Kandi Canals reoriented with Lift Irrigation Schemes	50.00	—	—	—	—	—	—
IR 1.10	Providing Irrigation facilities to erst- while Malerkotla State	411.00	14.91	(—)6.04	—	—	—	—
IR 1.11	Beas Projects	(—)16.00	(—)42.88	—	—	—	—	—
IR 1.12	Diversion Weir of Shah Nehar Canal	5.04	41.20	—	—	—	—	—
IR 1.13	Provision for Doon Canal	400.00	—	—	—	—	—	—
IR 1.14	Special Repairs to Bhakra Main Line Canal caused by breaches	157.00	157.00	—	—	—	—	—
IR 1.15	Construction of new lined combined channels of Bikaner canal and branch of eastern Canal	50.00	—	—	—	—	—	—
	03 Medium Irrigation (Commercial) :							
IR 1.16	Irrigation to Himachal area below Talwara	200.00	18.75	—	20.00	—	10.00	10.00
IR 1.17	Dholbaha Dam	600.00	778.83	179.19	140.00	290.00	200.00	200.00
IR 1.18	Providing gates and gearing to modernise the existing Canals	50.00	26.62	0.05	25.00	—	86.00	86.00
IR 1.19	Communication System on Canal	—	—	—	—	—	25.00	25.00
IR 1.20	Training abroad to Senior officers of Irrigation Department	—	—	—	—	—	50.00	50.00
IR 1.21	Setting up of Punjab Irrigation Management Training Instt.	—	—	—	—	—	25.00	25.00

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
IR 1.22	Canalisation of Navin and Mughali Kuhals for running them to designed discharge	7.00	—	—	—	—	—	—
IR 1.23	Running of Basant Pur Canal	7.00	14.00	—	—	—	—	—
IR 1.24	Construction of aquaduct and V.R. bridge on Dhudal distributory	—	267.14	119.97	—	—	—	—
80 General : Water Development Schemes—								
004 WD1.25	Research Schemes	200.00	68.34	36.00	45.00	39.00	50.00	—
WD 1.26	Investigation of schemes	240.00	131.38	60.09	75.00	75.00	85.00	—
WD 1.27	Grant-in-aid to PAU, Ludhiana for research in water resources	10.00	—	—	2.00	2.00	—	—
Total Major and Medium Irrigation		26888.00	14120.09	4071.40	3787.00	3526.00	4571.00	4436.00
1 042 702 00 2—Minor Irrigation—								
01 Surface Water— 1 Irrigation Department—								
102 MI(I) 2.1	Lift Irrigation Schemes in Anandpur Sahib and Ropar Blocks	10.00	2.52	—	32.00	—	30.00	30.00
800 MI(I) 2.2	Low Dams in Kandi Area Phase-I	2322.00	923.23	308.05	400.00	400.00	—	—
	(i) Maili Dam	291.44	—	25.80	20.00	20.00	—	—
	(ii) Jānauri Dam	422.95	—	50.11	50.00	50.00	—	—
	(iii) Mehngerwal (Dhamsal Dam)	498.13	—	215.95	240.00	240.00	—	—
	(iv) Patiala Ki Rao (parchh) Dam	97.96	—	7.41	80.00	80.00	—	—
	(v) Siswan	159.27	—	—	—	—	—	—
	(vi) Chohal	242.70	—	4.35	5.00	5.00	—	—
	(vii) Salerian	131.78	—	—	—	—	—	—
	(viii) Budki	225.00	—	—	5.00	5.00	—	—
	(ix) Tibba Nangal	52.77	—	4.43	—	—	—	—
	(x) Lalwan	200.00	—	—	—	—	—	—
MI(I)2.3	Low Dams in Kandi Area Phass-II	1000.00	—	—	—	—	650.00	650.00
	(i) Mehngerwal (Damsal Dam)						250.00	250.00
	(ii) Patiala Ki Rao (Parch) Dam						200.00	200.00
	(iii) Siswan Dam						—	—
	(iv) Chohal Dam						150.00	150.00
	(v) Salerian Dam						N.A.	N.A.
	(vi) Budki (Mirzapur) Dam						50.00	50.00
	(vii) Ram Totwali Dam						—	—
	(viii) Malot Dam						—	—
	(ix) Soonk (Jainti Devi Ki Rao) dam						—	—
	(x) Hari Pur (Sughrao) dam						—	—
	(xi) Arniala						—	—
	(xii) Lalwan						—	—

These incomplete low dams of Phase-I are being dovetailed to be completed during Phase-II

ANNUAL PLAN 1990-91
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
MI(I) 2.4	Pilot Demonstration and carrying out studies in improving ground water level with artificial re-charge	100.00	63.06	32.88	45.00	45.00	—	—
MI(I) 2.5	Directorate of Planning & Design Studies (Kandj Water Shed and Area Development Project) Tech. Assistance Research and Training	80.00	100.02	40.14	50.00	50.00	50.00	—
MI(I) 2.6	Integrated Utilisation of Water Resources	200.00	127.94	55.33	70.00	70.00	114.00	—
02 Ground Water : 2 Agriculture Department—								
005 MI(A) 2.7	Ground Water Cell-Strengthening of Ground Water and Surface Water Organisation	100.00	38.28	23.97	30.00	30.00	30.00	—
Punjab State Tubewell Corporation								
MI(C) 2.8	Tubewells and Other Schemes	1000.00	486.80	330.00	400.00	400.00	870.00	870.00
	(a) Installation of Tubewells	182.00	122.00	72.00	100.00	100.00	463.83	463.83
	(b) Repayment of Principal and Interest	777.95	364.80	218.00	255.79	255.79	311.17	311.17
	(c) Taking over of Central Ground Water Board Tubewells	0.05	—	—	8.00	8.00	40.00	40.00
	(d) Replacement and Improvement of Tubewells	—	—	—	12.21	12.21	20.00	20.00
	(e) Purchase of Machinery (50% sharing)	40.00	—	40.00	20.00	20.00	15.00	15.00
	(f) Laying of additional Under ground Pipe Line	—	—	—	4.00	4.00	20.00	20.00
	Total Minor Irrigation (2+3)	4812.00	1741.85	790.37	1027.00	995.00	1744.00	1550.00
104 2705 00 3	Command Area Development (CAD)							
190 MI(C) 3.1	Lining of Water Courses Phase-I	600.00	1000.00	—	—	—	—	—
190 MI(C) 3.2	Lining of Water Courses Post Phase-I	—	1100.00	600.00	600.00	600.00	—	—
190 MI(C) 3.3	Lining of Water Courses Phase-II	1000.00	—	—	—	—	585.00	585.00
	Total (CAD)	1600.00	2100.00	600.00	600.00	600.00	585.00	585.00
	Total Minor Irrigation CAD	6412.00	3841.85	1390.37	1627.00	1595.00	2329.00	2135.00
04 2711 00 4	Anti Water Logging, Drainage and Flood Control							
Commercial—								
01 FC 4.1	Flood Control and Drainage Scheme		1635.67	775.54	1630.00	1630.00	950.00	950.00
03 FC 4.2	Anti-Water Logging, Surface Drainage and Sub-surface Drainage Schemes for lowering Water table of South West Districts	3500.00	—	855.16	481.68	600.00	500.00	656.00
01 FC 4.3	Diversion of Nurpur Bedian Choes into river Satluj	39.00	—	—	—	—	—	—
03 FC 4.4	The Canalisation and reclamation of Satluj river bed from Anandpur Sahib to Ropar	50.00	—	—	—	—	—	—
03 FC 4.5	Dholbaha Dam (Drainage portion)	111.00	178.56	(—)3.71	—	—	—	—
	Total Flood Control	3700.00	2669.39	1253.51	2230.00	2130.00	1606.00	1606.00
	Grand Total Irrigation and Flood Control	37000.00	20631.33	6715.28	7644.00	7251.00	8506.00	8177.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : POWER

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
1 05 2801 00 01 HYDEL GENERATION :								
102 HG-1	Beas Unit-I (4×165=660MW)	.. (-)254·00						
102 HG-2	Beas Unit-I (Ext.) (2×165=330MW)	.. 26·00						
102 HG-3	Beas Unit-II (4×60=240MW)	.. (-) 1·00						
102 HG-4	Beas Unit-II (Ext.) (2×60=120MW)	.. —						
102 HG-5	Ranjit Sagar Dam (4×150=600 MW)	.. 50000·00	28497·00	9319·00	10000·00	10500·00	14500·00	14500·00
102 HG-6	Mukerian Hydel Project phase-II (162 MW)	.. 14208·00	20119·62	2885·00	1080·00	1080·00	1000·00	1000·00
102 HG-7	Anandpur Sahib Hydel Project (134MW)	.. 1400·00	2432·68	—	—	—	215·00	215·00
102 HG-8	Micro Hydel Schemes	.. 1300·00	777·23	217·00	50·00	50·00	100·00	100·00
102 HG-9	UBDC-II (45MW)	.. 5000·00	1660·06	1627·00	1829·00	1829·00	1200·00	1200·00
102 HG-10	Shahpur Kandi Project	.. 1742·00	474·91	294·00	500·00	300·00	300·00	300·00
102 HG-11	Participation in Hydel projects with neighbouring States	.. 200·00	—	—	—	—	—	—
102 HG-12	SYL Power Houses	.. 200·00	278·00	675·00	2000·00	1288·00	400·00	400·00
Total		.. 73821·00	54018·30	14949·00	15380·00	14968·00	17715·00	17715·00
02 THERMAL POWER GENERATION								
102 TG-1	Ropar Thermal project Stage-I (2×210=420MW)	.. 2700·00	2410·00					
102 TG-2	Ropar Thermal project Stage-II (2×210=420MW)	.. 32600·00	29365·08					
102 TG-3	Ropar Thermal Stage-III	.. 4000·00	2000·00					
102 TG-4	Reno/Modi. of GNDTP-Bhatinda	.. 950·00	1208·50	251·00	137·00	137·00	180·00	180·00
102 TG-5	GNDTP Bhatinda-III and IV and Shanar Projects	.. 179·00	69·00	—	—	—	—	—
102 TG-6	10MW Rice Straw Thermal Plant	.. —	5·00	203·00	700·00	700·00	500·00	500·00
Total : Thermal Power Generation		.. 40429·00	35057·58	8944·00	4837·00	5837·00	9180·00	9180·00
Total : Generation (Hydel+Thermal)		114250·00	89075·88	23893·00	20217·00	20805·00	26895·00	26895·00
05	Transmission and Distribution	.. 43871·00	22749·59	13358·00	9935·00	9935·00	6505·00	6505·00
06	Rural Electrification	.. 5429·00	3707·01	2281·00	1500·00	1500·00	1500·00	1500·00
004	Power Development	.. 250·00	72·00	36·00	100·00	100·00	100·00	100·00
Grand Total (POWER)		.. 163800·00	115604·48	39568·00	31752·00	32340·00	35000·00	35000·00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : NON-CONVENTIONAL SOURCES OF ENERGY

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
105 2810 00 NON-CONVENTIONAL SOURCES OF ENERGY								
01 Bio-gas								
101 National Programme for Bio-gas Development								
	Installation of Domestic Bio-gas plants (By Agriculture Department)	.. 160.00	17.75	8.81	10.00	12.00	10.00	—
	102 Community and Institutional Bio-gas plants (To be executed by Science and Technology Department)	.. 100.00	30.48	18.75	32.00	27.00	40.00	30.00
103 Bio-Mass								
NCSE-1	Agro-Residue Based Power generation	.. 5.00	2.00	—	—	—	—	—
NCSE-2	Agro-residue Based Power generation Project (2.5 MW)	.. —	—	—	1.00	—	—	—
NCSE-3	Carrying out Gasification Tests on Paddy Straw	.. —	27.00	—	1.00	—	—	—
	Total : (Bio-Gas and Bio-Mass)	.. 265.00	77.23	27.56	44.00	39.00	50.00	30.00
02 SOLAR								
101 Solar Thermal Energy Programme								
NCSE.4	30 MW Solar Thermal Power Generation Project	.. —	15.00	—	1.00	—	—	—
800 Other Expenditure								
NCSE.5	State Subsidy on Solar Cookers	35.00	9.11	1.00	4.00	—	—	—
NCSE.6	Solar Waterheating systems	35.00		7.00	13.00	5.91	16.00	16.00
	Total : Solar	.. 70.00	24.11	8.00	18.00	5.91	16.00	16.00
03 WIND								
004 Resarch and Development								
NCSE.7	Wind Data collection in the State	.. 10.00	2.00	—	0.50	—	—	—
800 Other Expenditure								
NCSE.8	Basic Energy studies in the villages	.. 5.00	—	—	—	—	—	—
NCSE.9	Setting up of Punjab Energy Development Agency	.. 25.00	4.99	—	—	—	—	—
NCSE.10	Incentives for making improvement in the efficiency of pumping sets etc.	.. 25.00	2.00	4.00	6.50	1.28	5.00	5.00
	Total 03	.. 65.00	8.99	4.00	7.00	1.28	5.00	5.00
	Grand Total	.. 400.00	110.33	39.56	69.00	46.19	71.00	51.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed (Outlay)	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9
106 0000 00 INDUSTRY & MINERALS :								
106 2851 00 VILLAGE AND SMALL INDUSTRIES :								
001 Direction and Administration								
IN-1.1	Strengthening of Cell for grant of incentives	5.00	—	—	0.30	—	—	—
IN-1.2	Strengthening of Statistical Cell ..	5.00	—	—	0.40	—	—	—
IN-1.3	Chief Inspector of Boilers ..	8.00	—	—	0.30	—	—	—
IN-1.4	Installation of Computer ..	—	—	—	6.00	—	—	—
IN-1.5	Implementation of Chit Fund Act ..	—	—	—	1.00	—	—	—
	Total 001 ..	18.00	—	—	8.00	—	—	—
003 Training :								
IN-2.1	Training of Staff and Visit to industries in other States ..	5.00	2.78	0.70	1.00	1.00	—	—
IN-2.2	Entrepreneurial Training Programme with ILO Assistance ..	20.00	3.49	0.86	2.00	2.00	—	—
	Total 003 ..	25.00	6.27	1.56	3.00	3.00	—	—
004 Research and Development :								
IN-3.1	Equipping and Modernisation of Industrial Development Centres ..	80.00	60.87	25.79	40.00	25.00	—	—
IN-3.2	Equipping and Modernisation of Quality Marking Centres ..	40.00	15.02	17.33	30.00	30.00	—	—
IN-3.3	Sewing Machine Development Centre, Ludhiana ..	30.00	89.08	25.26	25.00	24.80	—	—
IN-3.4	Punjab Test House, Ludhiana ..	50.00	10.23	5.48	50.00	4.25	—	—
IN-3.5	Modernisation of Small Scale Industries (State H.Q. Staff) ..	75.00	21.00	0.17	10.00	8.79	1.65	—
IN-3.6	Research and Development Centre for Bicycle Ludhiana ..	30.00	104.84	28.46	10.00	32.19	—	—
IN-3.7	Extension of CFTRI building at Ludhiana (Central Food Technological Research Institute) ..	6.00	0.12	—	0.10 (Token)	—	—	—
IN-3.8	New UNDP aided Projects ..	30.00	—	—	0.10 (Token)	—	10.00	10.00

ANNUAL PLAN 1990-91
STATEMENT-II: SCHEMES
OUTLAY AND EXPENDITURE
HEAD: INDUSTRY AND MINERALS

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9
IN-3.9	Promotion of Industries/based on utilisation of Agriculture Waste/Residue ..	10.00	—	—	—	—	—	—
IN-3.10	Productivity awards ..	10.00	7.13	2.26	3.60	3.60	5.00	—
IN-3.11	Hand Tool Institute, Jalandhar-construction of additional Hammer shed ..	—	—	—	—	—	—	—
IN-3.12	Pollution Control Scheme ..	—	—	—	—	—	65.25	65.25
	Total 004 ..	361.00	308.29	104.75	168.80	128.63	81.90	75.25
102. Small Scale Industries :								
IN-4.1	District Industries Centres (C.S. 50:50) ..	300.00	192.14	79.82	90.00	90.00	100.00	40.00
IN-4.2	Quality Control Order on Household Electrical Appliances	25.00	15.45	6.38	10.00	8.00	10.00	10.00
IN-4.3	Effluent Treatment Plant in various Industrial Development Centres	30.00	2.76	1.00	1.00	—	—	—
IN-4.4	Incentives for Quality Certification of Small Scale Industries Products	21.00	2.22	—	5.00	—	4.00	—
IN-4.5	Conservation of Energy Improvement ..	30.00	—	—	—	—	—	—
IN-4.6.	Marketing Assistance Programme—							
	(i) Export Awards ..	4.00	1.02	0.57	0.80	0.80	1.00	—
	(ii) (a) Participation in Industrial Fairs	22.00	4.30	2.00	2.00	2.00	10.00	—
	(b) Delegation/Sales Study Teams abroad	—	2.50	—	2.50	—	—	—
	(iii) Trade Centres ..	5.00	—	—	0.50	—	—	—
IN-4.7	Publicity ..	15.00	10.79	4.63	5.00	3.00	10.00	—
IN-4.8	Punjab Small Industries and Export Corporation	50.00	10.00	—	40.00	40.00	—	—
	Total 102 ..	502.00	241.18	94.40	156.80	143.80	135.00	50.00
103 Hand loom Industries :								
IN-5.1.	(i) Rebate on sale of Handloom Cloth/Mkg. Dev. Assistance Scheme (C.S.50:50 basis) ..	50.00	20.97	—	10.00	9.50	20.00	—
	(ii) Strengthening of SASMIRA Centre ..	10.00	—	—	1.96	—	—	—
	(iii) Sponsoring of candidates for admission in handloom technology ..	—	0.03	0.04	0.04	0.04	—	—
	(iv) Census of Power looms ..	—	—	—	—	0.50	—	—

ANNUAL PLAN 1990-91.
STATEMENT II: SCHEMES
OUTLAY AND EXPENDITURE
HEAD: INDUSTRY AND MINERALS

(Rs. in lakhs)

Code No.	Name of the scheme/Projects	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
IN.5.2.	Punjab State Handloom and Textile Development Corporation—PUNTEX ..	100.00	0.50	18.50	20.00	—	—	—
IN.5.3.	Punjab State Hosiery & Knitwear Development Corporation (Modernisation of Knitwear Facilities) ..	20.00	73.00	20.00	25.00	—	25.00	25.00
	Total 103 ..	180.00	94.50	38.54	57.00	10.04	45.00	25.00
	164 Handicraft							
IN.6.1.	Development of Handicraft Industry/ Training and Design Development centre for Handicraft artisans ..	25.00	8.23	3.98	25.00	4.68	25.00	—
	Total 104 ..	25.00	8.23	3.98	25.00	4.68	25.00	—
	105 Khadi and Village Industries							
IN.7.1	Punjab State Leather Development Corporation ..	200.00	175.00	30.00	30.00	30.00	—	—
	(i) Improvement in the Earnings of foot-wear artisans in Punjab assisted by ILO ..	—	—	—	—	—	50.00	—
	(ii) Setting up of Testing Laboratory for Leather & Leather goods ..	—	—	—	—	—	10.00	10.00
	(iii) State contribution for setting up effluent treatment Plant at Leather complex Jalandhar, Grant-in-aid ..	—	—	—	—	40.00	—	—
IN.7.2.	Strengthening of Panjab Khadi and Village Industries Board ..	—	—	—	8.50	—	10.00	—
	Total 105 ..	200.00	175.00	30.00	38.50	70.00	70.00	10.00
	107 Sericulture :							
IN.8.1	(i) Construction of grainage building ..	20.00	—	9.64	5.00	5.00	—	—
	(ii) Subsidy to Selected Silk Worm rearers	3.00	0.70	0.90	0.90	0.90	—	—
	(iii) Training facilities in reeling in existing Centres	1.00	0.70	0.50	0.50	0.50	—	—
	(iv) Construction of rearing huts ..	5.00	—	2.40	1.00	1.00	—	—
	(v) Expansion of Reeling Units ..	20.00	0.70	0.50	8.50	0.20	—	—
IN.8.2	Development of Sericulture ..	—	—	—	—	—	43.10	29.75
	Total 107 ..	49.00	2.10	13.94	15.90	7.60	43.10	29.75

ANNUAL PLAN 1990-91
STATEMENT-II-SCHEMES
OUTLAY AND EXPENDITURE
HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

Code No.	Name of the scheme/Project	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
110 Composite V&SI and Co-operatives								
IN.9.1	Participation in the share capital of Industrial Co-operatives including Apex Handloom/ Primary Handloom Weavers Co-operative Societies	62.00	39.41	17.83	14.50	17.83	—	—
IN.9.2	Subsidy to Central Co-operative Banks for advancing loans to Industrial Co-operatives including Handloom Weavers Co-operative Societies at concessional rate of interest	1.00	0.02	—	—	—	—	—
IN.9.3	Market Development Assistance to Apex Handloom and Primary Handloom weavers Co-op. Socs.	25.00	15.63	20.00	5.50	20.50	—	—
IN.9.4	Development of Handloom Industry Supply of approved appliances	50.00	—	—	—	—	—	—
IN.9.5	Financial assistance to Punjab Apex Handloom Co-operative Society for setting up processing units	5.00	0.15	1.00	—	0.44	—	—
Total 110		143.00	55.21	38.83	20.00	38.77	—	—
111 Employment Schemes for the Unemployed :								
OSW.2.1	(i) Employment Programme for educated youth	—	17.48	2.22	5.00	5.00	—	—
	(ii) Special Employment Programme	—	—	—	—	—	—	—
Total		—	17.48	2.22	5.00	5.00	—	—
Total 106 2851 00 V & SI		1503.00	908.26	328.22	498.00	411.52	400.00	190.00
106 2852 00 Industries other than village and small Industries:								
07 Telecommunication and Electronics Industries								
190 Investment in Public Sector Undertakings								
IN.10.1	Punjab State Electronics Development and Production Corporation	1000.00	140.00	100.00	175.00	100.00	400.00	400.00
004 Electronics Research & Development								
	(ii) Setting up of Electronics Research & Development Centre at Mohali	—	—	—	—	10.00	280.00	278.00
Total		1000.00	140.00	100.00	175.00	110.00	680.00	678.00

ANNUAL PLAN 1990-91.

STATEMENT-II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9
80	General							
800	Other Expenditure:							
IN.10.2	Punjab Financial Corporation	450.00	395.00	325.00	300.00	478.00	500.00	500.00
IN.10.3	Punjab State Industrial Development Corporation	3000.00	2969.00	—	300.00	400.00	871.00	871.00
IN.10.4	Goindwal Industrial and Investment Corporation	100.00	9.45	50.00	50.00	50.00	100.00	100.00
	Infrastructure and Incentives :							
IN.11.1(i)	Focal Point (Acquisition of Land)	500.00	896.05	825.00	25.00	25.00	70.00	70.00
(ii)	Interest Free Loan	2500.00	2355.15	588.56	522.00	846.05	—	—
(iii)	State Capital Subsidy	2000.00	683.16	300.00	225.00	225.00	—	—
(iv)	Land Subsidy	831.00	456.51	65.18	70.00	86.00	—	—
(v)	Generating Set Subsidy	100.00	—	20.00	20.00	15.00	—	—
(vi)	Subsidy to Punjab Alkalies	250.00	260.26	208.23	—	—	—	—
(vii)	Reimbursement of Octroi/Terminal Tax and electricity charges etc.	200.00	268.02	63.87	70.00	70.00	10.00	—
IN-11.2	Establishment of Two Growth Centres (sharing basis)	—	—	—	100.00	10.00	300.00	300.00
	Total 800 Other Exp.	9931.00	8292.60	2445.84	1682.00	2205.05	1851.00	1841.00
	Total 106 2852 02 Industries other than Village and Small Industries	10931.00	8432.60	2545.84	1857.00	2315.05	2531.00	2519.00
	Total Village and Small Industries and Industries other than Village and Small Industries	12434.00	9340.86	2874.06	2355.00	2726.57	2931.00	2709.00
186 2853 02	Regulation of Development of Mines and Minerals :							
IN-12.1 001	Direction and Administration	30.00	6.30	4.75	5.00	5.00	—	—
	Total	30.00	6.30	4.75	5.00	5.00	—	—
110 3470 00	Other Economic Services :							
WM I	Regulation of Weights and Measures Act	10.00	3.00	0.30	5.00	—	—	—
	Total	10.00	3.00	0.30	5.00	—	—	—
	Grand Total	12474.00	9350.16	2879.11	2365.00	2731.57	2931.00	2709.00

ANNUAL PLAN 1990-91
STATEMENT-II ; SCHEMES
OUTLAY AND EXPENDITURE
HEAD: CIVIL AVIATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
07 305 300 CIVIL AVIATION								
003 1. Training and Education								
A.V.1.1	(i) Provision of aircraft maintenance and Engineering school at Patiala	25.00	15.00	5.00	5.00	5.00	—	—
	(ii) Provision of simulator Training	.. 5.00	3.00	1.00	1.00	1.00	—	—
	(iii) Taking over of flying clubs	.. 35.00	—	—	—	—	5.00	—
102 2. Aerodromes and Air Route Services								
A.V.1.2	Extension and Construction of Aerodromes	25.00	1.60	6.00	25.00	25.00	30.00	30.00
052 3. Machinery and Equipment								
A.V.3.1	Advanced Training of Pilots	.. 30.00	20.96	8.00	11.00	11.00	25.00	25.00
	Total	.. 120.00	40.56	20.00	42.00	42.00	60.00	55.00

ANNUAL PLAN 1990-91
STATEMENT-II ; SCHEMES
OUTLAY AND EXPENDITURE
HEAD:— ROADS AND BRIDGES

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985—90) Agreed Outlay	1985—88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
107 305 400 Roads and Bridges :								
03&04 1. State Highways, District and other roads								
R.D.1.1	Main Roads & Missing links	.. 200.00	85.42	25.97	30.00	30.00	—	—
R.D.1.2	Improvement/Widening & providing additional crust on existing roads	.. 6000.00	2369.68	581.79	600.00	522.50	—	—
052 2. Machinery and Equipment								
R.D.2.1	Machinery	.. 200.00	85.13	28.92	37.00	37.00	—	—
800 3. Minimum Needs Programme								
R.D.3.1	Village Roads	.. 55.00	88.35	—	—	—	—	—
	(Construction of Drains along the link roads/ laying of Exhume Pipes/ Brick lining of link roads)							
4. Safety Works Programme								
R.D.4.1	Bridges	.. 1500.00	802.11	378.29	463.00	463.00	550.00	550.00
800 5. Other Expenditure								
R.D.5.1	Central Road funds	.. 400.00	91.82	22.69	40.00	117.50	70.00	70.00
R.D.5.2	Improvement of Roads within MC limits	.. 900.00	276.11	38.23	75.00	75.00	—	—
R.D.5.3	Bye-Passes	.. 500.00	130.35	37.47	50.00	50.00	—	—
R.D.5.4	Research and Development, Field Training, labs and purchase of equipment	.. 45.00	2.99	3.00	5.00	5.00	8.00	8.00
	Total	.. 9800.00	3931.96	1116.36	1300.00	1300.00	628.00	628.00

ANNUAL PLAN 1990-91
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD: ROAD TRANSPORT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91		
					Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	
107 305 500 Road Transport :									
190	R.T—1 Pepsu Road Transport Corporation	..	2750.00	2200.00	489.86	900.00	800.00	800.00	800.00
	R.T—2 Punjab Roadways—								
050	(i) Land & Buildings	..	500.00	279.96	100.04	150.00	70.00	—	—
	(ii) Acquisition of fleet								
	(a) Addition	..	—	—	—	—	—	—	—
	(b) Replacement	..	4965.00	1595.08	1033.99	953.00	1053.00	1050.00	1050.00
	(iii) Workshop facilities	..	75.00	33.62	13.20	25.00	25.00	40.00	40.00
800	(iv) Other Expenditure	..	10.00	6.20	1.98	2.00	2.00	—	—
	Total : (i) to (iv)	..	5550.00	1914.86	1149.21	1130.00	1150.00	1090.00	1090.00
	Total : RT-1, & RT-2	..	8300.00	4114.86	1639.07	2030.00	1950.00	1890.00	1890.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SCIENCE AND TECHNOLOGY AND ENVIRONMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
109 0000 00	Science and Technology and Environment							
109 3425 00	Other Scientific Research							
SCT-1	Sponsored science and Technology Pilot Trial/ Extensions through approved institutions in the State ..	87.00	34.70	19.00	40.00	6.50	50.00	20.00
SCT-2	Use of Remote sensing and Aerial Photography Technologies in Agriculture sector ..	25.00	10.00	5.00	5.00	5.00	5.00	0.30
SCT-3	Support to voluntary Organisations ..	20.00	1.30	—	1.00	—	6.00	0.50
SCT-4	Technical Secretariat for the State Council for Science and Technology ..	10.00	5.00	5.00	7.00	10.00	13.00	1.75
SCT-5	Meteorological Satellite Ground Receiving Station at P.A.U., Ludhiana ..	18.00	11.50	2.34	—	—	—	—
SCT-6	Science and Technology Entrepreneurship Park ..	—	10.00	1.00	2.00	2.00	10.00	10.00
SCT-7	Promotion and Development of co-generation ..	—	—	—	—	—	5.00	5.00
SCT-8	Energy Conservation and Management ..	—	—	—	—	—	5.00	5.00
SCT-9	Technology Assessment (Energy) Energy resources and demand assessment ..	—	—	—	—	—	5.00	5.00
	3425—Total : Other Scientific Research ..	160.00	72.50	32.34	55.00	23.50	99.00	47.55
3435 00	Ecology and Environment							
ENP-1	Schemes regarding giving support to the District Environment Committees ..	85.00	35.44	12.00	15.00	12.00	—	—
ENP-2	Environmental Consultancy study/Cell ..	5.00	2.00	1.25	5.00	—	—	—
ENP-3	Support to Voluntary Organisations ..	10.00	3.95	—	3.00	—	6.00	3.00
ENP-4	Providing 1 No. Mobile Waste Water Testing Laboratory ..	—	5.50	7.00	3.00	3.00	3.50	1.40
ENP-5	Providing Ambient Air quality Monitoring stations ..	—	10.50	15.00	10.00	8.80	10.00	3.70
ENP-6	Environmental Awareness programme ..	—	—	5.00	5.00	5.00	—	—
ENP-7	Providing of staff to assist Member Secretary State level coordination Committee and Member Secretary State competent authority ..	—	—	—	1.00	1.00	1.00	—
ENP-8	Monitoring of Rivers and Tributaries to determine the water quality of inland surface waters in Punjab ..	—	—	—	5.00	5.00	5.00	—
ENP-9	Updating of Central laboratories of the Board at Patiala ..	—	—	—	—	—	2.00	1.20
ENP-10	Assessment of Soil pollution by Industrial effluents ..	—	—	—	—	—	1.00	—
ENP-11	Setting up of three regional laboratories at Ludhiana, Jullundur and Amritsar ..	—	—	—	—	—	7.00	5.00
-12	Time targetted action plan to deal with most polluted areas in the State ..	—	—	—	—	—	10.00	5.00
	3435—Total : Ecology and Environment ..	100.00	57.39	40.25	47.00	34.80	45.50	19.30
	Total 109 0000 00 ..	260.00	129.89	72.59	102.00	58.30	144.50	66.85

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD :—Secretariat Economic Services

(Rs. in Lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985—90) Agreed Outlay	Actual Exp. (1985—88)	1988-89 Actual Exp.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expd.	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
110 3451 100	Secretariat Economic Services (A) State Level							
101 PM 1.1	Strengthening of Planning Machinery in the State ..	50.00	18.06	16.90	27.00	17.00	26.50	—
101 PM 1.2	Planning Machinery at District Headquarters ..	15.00	—	—	—	—	32.50	—
101 PM 1.3	(i) Consultancy & Technical Services (New Scheme) ..	—	9.00	—	6.00	6.00	—	—
	(ii) Consultancy & Technical Services on Pilot Basis ..	—	—	1.00	1.00	1.45	1.50	—
101 PM 1.4	Quick Survey and Studies ..	—	1.00	1.00	1.00	—	1.00	—
101 PM 1.6	Introduction of Computerisation in Punjab Government Offices ..	—	—	44.28	50.00	45.00	100.50	—
101 PM 1.7	Grant-in-aid to the CRRID ..	13.00	16.00	12.10	15.50	14.85	5.00	5.00
	Total	78.00	44.06	75.28	100.50	84.30	167.00	5.00
	(B) Devolution of Funds to Districts							
101 PM 1.5	Formulation of District Plan at the District Headquarters.							
	(i) Untied Funds ..	—	—	570.00	2000.00	1447.00	2400.00	2400.00
	(ii) Funds for Creation of Infrastructure facilities in the Districts ..	—	—	—	—	—	16700.00	16700.00
	(iii) Funds for Human Resources Development,—Beneficiary Oriented Schemes ..	—	—	—	—	—	5136.00	1195.00
	(iv) Funds for Schemes in Operation in some Districts ..	—	—	—	—	—	1314.00	562.20
	Total ..	—	—	570.00	2000.00	1447.00	25550.00	20857.20
	G. Total (A+B) ..	78.00	44.06	645.28	2100.50	1531.30	25717.00	20862.00

ANNUAL PLAN 1990-91
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : TOURISM

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
110345200 TOURISM :								
190	T.M.1.1 Punjab State Tourism Development Corporation (Share Capital Contribution)	190.00	49.99	21.00	20.00	28.50**	90.00*	90.00
	T.M.1.2 Acquisition and Development of land for Yatri Niwas	10.00	10.00	7.00	20.00	20.00	—	—
102	T.M.1.3 Acquisition and Development of land for wayside amenities	—	34.00	2.00	20.00	20.00	20.00	20.00
	T.M.1.4 Setting up of Hotel-cum-Convention Centre at Chandigarh	—	—	50.00	50.00	31.50	—	—
003	T.M.1.5 Training of Staff and familiarisation of Tours	—	—	—	2.00	1.00	—	—
	T.M.1.6 Setting up of Hill Resorts in the State	..	—	—	1.00	0.84	20.00	20.00
	T.M.1.7 Food Craft Institute	..	—	—	—	—	20.00	20.00
	Total	..	200.00	93.99	80.00	113.00	101.84	150.00

*Includes Rs. 50.00 lakhs for Hotel-cum-convention centre at Chandigarh.

**Includes Rs. 18.50 lakhs exclusively for Purchase of Land under complexes from the Irrigation Department.

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SURVEY AND STATISTICS

(Rs. in lakhs)

Code No.	Name of the Scheme/ Project	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Antici- pated Ex- penditure	Approved Outlay	Of Which capital content
1	2	3	4	5	6	7	8	9
1 102454 00 112 Survey and Statistics :								
ST 1.1	Purchase of Computer Timing/Installation of Computer system	14.00	18.77	1.22	3.00	2.00	—	—
ST 1.2	Survey & Studies *	7.00	—	—	—	—	—	—
ST 1.3	Working Class Family Income & Exp. Survey in Punjab	7.00	—	—	0.50	0.10	1.50	—
ST 1.4	Strengthening of Distt. Statistical Offices with Class-I Officers & Provision of Jeeps.	18.00	3.92	9.08	19.00	23.52	—	—
ST 1.5	Creation of Price Statisti- cal Cell	9.00	—	—	1.00	0.25	—	—
ST 1.6	Strengthening of Evalua- tion Machinery	7.00	—	—	1.00	0.20	—	—
ST 1.7	Strengthening of Minis- terial Staff at H.Q. **	10.00	—	—	—	—	—	—
ST 1.8	Staff for Group Insurance Scheme at Distt. level**	6.00	—	—	—	—	—	—
ST 1.9	Installation/Usages of Computer facilities in Punjab Government Offices at District level under NICNET Scheme @	—	1.40	3.15	—	—	—	—
ST 1.10	Setting up of Socio- Economic Research Analysis Unit	—	—	—	—	—	5.64	—
ST 1.11	Preparation of Input- Output Table	—	—	—	—	—	5.60	—
ST 1.12	Strengthening of National Sample Survey Wing of State Headquarter	—	—	—	—	—	2.13	—
ST 1.13	Setting up of Statistical Machinery at Sub-Divisional Level	—	—	—	—	—	1.00	—
Grand Total		78.00	24.09	13.45	24.50	26.07	15.87	—

Note :— *This scheme has been merged in ST 1.6 during 1987-88.

**This scheme has been dropped during 1988-89.

@This scheme has been transferred to Punjab State Planning Board during 1989-90.

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : OTHER GENERAL ECONOMIC SERVICES

(Rs. in lakhs)]

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
110 0000000	Economic Co-ordination and 20-Point Programme Programme Implementation							
	(Economic Co-ordination and 20-Point Programme)	10.00	1.30	0.26	1.00	0.47	4.00	—
	Total	10.00	1.30	0.26	1.00	0.47	4.00	—
11000000000	GENERAL ECONOMIC SERVICES :							
10346600 001	Civil Supplies : Enforcement of Consumer's Protection Act, 1986 in the State	—	—	—	1.00	1.00	2.00	—
	Total	—	—	—	1.00	1.00	2.00	—

ANNUAL PLAN 1990-91
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-99 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
2 21 0000 00	EDUCATION							
2 21 2202 00	General Education :							
	01 Elementary Education :							
	001 Direction and Administration :							
ED-1.1	Administration and Supervision : Additional staff ..	100.00	—	—	19.00	17.40	—	—
	Total (001) ..	100.00	—	—	19.00	17.40	—	—
	101 Government Primary Schools :							
ED-1.2	Opening of Primary Schools ..	14.00	4.76	3.85	5.00	6.35	—	—
ED-1.3	Qualitative Improvement in Primary Schools ..	451.00	—	—	—	—	—	—
	Total (101) ..	465.00	4.76	3.85	5.00	6.35	—	—
	106 Teachers and other services :							
ED-1.4	Furniture in Primary Schools ..	150.00	122.46	33.65	35.00	30.25	—	—
ED-1.5	Supply of teaching aids and materials ..	—	5.63	—	—	—	—	—
ED-1.6	Part-time Sweepers in Schools ..	37.00	7.41	6.76	12.20	17.20	—	—
ED-1.7	Lavatory and drinking water facilities ..	78.00	45.19	15.15	24.74	24.74	—	—
	Total (106) ..	265.00	180.69	55.56	71.94	72.19	—	—
	107 Teachers Training :							
ED-1.8	Seminars and Workshops for DEO'S/CHT's/HT's. ..	6.00	2.06	1.15	1.50	1.50	—	—
ED-1.9	In-service Training to J.B.T. Teachers ..	50.00	25.37	14.66	15.00	15.00	—	—
	Total (107) ..	56.00	27.43	15.81	16.50	16.50	—	—
	800 Other Expenditure :							
ED-1.10	Construction of classrooms/School buildings ..	500.00	300.00	200.00	100.00	100.00	—	—
	Total (800) ..	500.00	300.00	200.00	100.00	100.00	—	—
	Total (Primary Schools) ..	1386.00	512.88	275.22	212.44	212.44	—	—
	Middle Education							
	052 Equipment :							
ED-1.11	Science equipment and apparatus ..	72.50	43.68	—	5.00	5.00	—	—
	Total (052) ..	72.50	43.68	—	5.00	5.00	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
101 Govt. Middle Schools								
ED 1.12	Upgradation of Primary Schools to Middle Standard	100.00	134.97	201.73	220.00	240.00	—	—
	Total (101)	100.00	134.97	201.73	220.00	240.00	—	—
105 Non-Formal Education								
ED 1.13	Non-Formal Education	40.00	15.66	7.19	10.00	10.00	—	—
	Total (105)	40.00	15.66	7.19	10.00	10.00	—	—
106 Teachers and other Services								
ED 1.14	Lavatory and drinking water facilities	72.50	47.74	—	5.00	5.00	—	—
ED 1.15	Furniture in middle schools	72.35	49.97	3.40	5.00	5.00	—	—
	Total (106)	144.85	97.65	3.40	10.00	10.00	—	—
800 Other Expenditure								
ED 1.16	Construction of classrooms/school buildings	300.00	—	—	—	—	—	—
ED 1.17	Construction of Science Rooms	800.00	87.08	9.66	40.00	20.00	—	—
ED 1.18	Universalisation of elementary education	30.65	9.29	4.10	4.56	4.56	—	—
	Total (800)	1130.65	96.37	13.76	44.56	24.56	—	—
	Total (Middle Schools)	1488.00	388.33	226.08	289.56	289.56	—	—
	Total (01)	2874.00	901.21	501.30	502.00	502.00	—	—
02 Secondary Education								
001 Direction and Administration								
ED 2.1	District level Accounts Staff	11.00	1.04	—	—	—	—	—
	(i) Restructuring of State Council of Educational Research and Training ..	—	—	—	—	—	1.00 (Token)	—
	(ii) Setting up of Legal Cell	—	—	—	—	—	2.00	—
	Total (001)	11.00	1.04	—	—	—	3.00	—
004 Research and Training								
ED 2.2	Strengthening and improvement in Science Education ..	15.00	4.10	1.10	2.05	1.07	2.00	—
D 2.3	Strengthening and Improvement of Primary Education (UNICEF) ..	1.20	0.25	0.25	0.25	0.25	—	—
	Total (004)	16.25	4.35	1.35	2.30	1.95	2.00	—
052 Equipments								
ED 2.4	Science equipment and apparatus	100.00	66.39	6.64	20.00	10.00	—	—
	Total (052)	100.00	66.39	6.64	20.00	10.00	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
105 Teachers Training								
ED 2.5	In-service Training to teachers/masters/mistresses	60.00	30.43	13.60	23.00	15.00	—	—
ED 2.6	Setting up of new in-service training Centres	80.25	34.86	26.53	36.00	36.00	—	—
ED 2.7	Establishment of continuing Centres	4.50	1.66	0.65	1.00	—	—	—
	Total (105)	144.75	66.95	40.78	60.00	51.00	—	—
106 Teachers and other Services								
ED 2.8	Furniture in High/Senior Secondary schools	80.00	57.60	14.74	20.00	10.00	—	—
ED 2.9	Lavatory and drinking water facilities	55.00	25.53	14.24	20.00	10.00	—	—
	Total (106)	135.00	83.13	28.98	40.00	20.00	—	—
107 Scholarships								
ED 2.10	Scholarships for poor but brilliant students	30.00	30.66	7.08	13.00	—	—	—
ED 2.11	Scholarships to the children of riot affected families	—	8.65	5.98	3.00	3.00	—	—
	Total (107)	30.00	39.31	13.06	16.00	3.00	—	—
108 Examination								
ED 2.12	Holding of science talent search examination	24.00	5.41	2.27	5.00	2.65	—	—
	Total (108)	24.00	5.41	2.27	5.00	2.65	—	—
109 Govt. Secondary Schools								
ED 2.13	Upgradation of middle schools to high level	100.00	197.60	324.52	288.00	388.00	—	—
ED 2.14	Establishment of Adarsh schools	—	—	—	1.00	—	—	—
ED 2.15	(a) Introduction 10+2 System of education in Government Schools	1000.00	170.56	159.02	300.00	310.00	—	—
	(b) Vocational stream of 10+2 system of education	—	—	—	24.00	—	—	—
ED 2.16	Introduction of library Services in Government High Schools	45.00	14.65	4.87	7.27	6.00	—	—
ED 2.17	Posts of laboratory attendants	200.00	62.28	91.32	95.00	110.00	—	—
	Total (109)	1345.00	445.09	575.73	715.27	814.00	—	—
800 Other Expenditure								
ED 2.18	Construction of science laboratories	1000.00	150.15	39.86	40.00	10.00	—	—
ED 2.19	Construction of school buildings	200.00	173.90	16.18	—	—	—	—
ED 2.20	Construction of Sikhia Bhawan	—	—	—	—	—	5.00	5.00
	Total (800)	1200.00	324.05	47.04	40.00	10.00	5.00	5.00
	Total (02)	3006.00	1035.72	719.85	898.57	912.60	10.00	5.00
	Total (Middle & Secondary)	4494.00	1424.05	945.93	1188.13	1202.16	10.00	5.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD: EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
03 University and Higher Education								
001 Direction and Administration								
ED 3.1	(i) Strengthening of directorate Administration	5.00	—	—	10.00	0.30	—	—
	(ii) Setting up of State Council of Higher Studies	—	—	—	—	—	1.00 (Token)	—
ED 3.2	Strengthening of colleges administration ..	5.00	—	—	4.10	—	2.00	—
ED 3.3	Computer system for basic information ..	55.00	—	—	—	—	—	—
	Total (001)	65.00	—	—	14.10	0.30	3.00	—
102 Assistance to Universities								
ED 3.4	Chairs and Job-oriented courses ..	75.00	26.02	9.11	10.00	9.50	5.00	—
ED 3.5	Matching contribution for UGC aided projects	200.00	51.62	10.00	10.00	10.00	40.00	—
ED 3.6	Regional Centre, Bathinda ..	20.00	12.00	9.00	4.00	10.00	—	—
ED 3.7	Construction of Guru Nanak Bhawan at Guru Nanak Dev University Campus, Amritsar	—	—	25.00	40.00	—	30.00	—
	Total (102)	295.00	89.64	53.11	64.00	29.50	75.00	—
103 Govt. College and Institutes								
ED 3.8	Expansion of Colleges ..	275.00	123.69	70.46	80.00	88.78	50.00	50.00
ED 3.9	Improvement in existing colleges ..	400.00	152.86	68.03	115.00	81.20	80.00	25.00
ED 3.10	Development of colleges under UGC aided projects	40.00	9.00	—	5.50	5.00	9.00	—
	Total (103)	715.00	284.95	138.49	200.50	174.98	139.00	75.00
104 Assistance to Non-Govt. Colleges and Institutes								
ED 3.11	Grant-in-aid to Private Colleges under the 95% diff. scheme	—	59.00	234.00	260.00	250.00	—	—
	Total (104)	—	59.00	234.00	260.00	250.00	—	—
105 Faculty Development Programme								
ED 3.12	Seminars and Refresher Courses ..	5.00	2.53	0.90	2.00	1.00	—	—
	Total (105)	5.00	2.53	0.90	2.00	1.00	—	—
106 Text Book Development								
ED 3.13	Promotion of regional languages (Grant-in-aid to the Punjab University Text Book Board)	20.00	35.50	18.84	19.50	19.50	—	—
	Total (106)	20.00	35.50	18.84	19.50	19.50	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE

HEAD: EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
107 Scholarships								
ED 3.14	State Merit Scholarships	30.00	14.52	5.26	5.26	5.26	—	—
ED 3.15	Scholarships to the children of riot affected families	—	1.74	2.92	3.00	3.00	—	—
	Total (107)	30.00	16.26	8.18	8.26	8.26	—	—
800 Other Expenditure								
ED 3.16	Hostels in Government Colleges	60.00	12.10	21.69	4.00	1.30	5.00	—
	Total (800)	60.00	12.10	21.69	4.00	1.30	5.00	—
	Total (03)	1190.00	499.98	475.21	572.36	484.84	222.00	75.00
04 Adult Education								
ED 4.1	Literacy Programme	500.00	19.14	11.65	20.08	16.47	50.00	—
ED 4.2	Literacy follow up Programme	—	—	—	2.80	2.56	4.00	—
	Total (04)	500.00	19.14	11.65	22.88	19.03	54.00	—
05 Language Development								
102 Promotion of Modern Indian Language and Literature								
ED 5.1	Development of Punjabi	41.00	19.22	9.45	26.95	12.00	11.00	—
ED 5.2	Development of Hindi	8.00	3.11	1.15	2.00	1.50	1.50	—
ED 5.3	Development of Urdu	7.00	2.18	0.85	2.00	1.00	1.50	—
	Total (102)	56.00	24.51	11.45	30.95	14.50	14.00	—
103 Sanskrit Education								
ED 5.4	Development of Sanskrit	6.00	2.16	0.82	2.00	1.00	1.00	—
	Total (103)	6.00	2.16	0.82	2.00	1.00	1.00	—
800 Other Expenditure								
ED 5.5	Statistical Cell	5.00	—	—	—	—	—	—
ED 5.6	Construction of Bhasha Bhawan Complex at Patiala	—	5.00	47.00	98.00	60.00	100.00	100.00
ED 5.7	Micro Filming	—	—	1.00	2.50	—	2.00	—
ED 5.8	Training of High Speed Stenographers	—	—	—	—	—	2.00	—
ED 5.9	Punjabi Week	—	—	—	—	—	9.00	—
ED 5.10	Preparation of Trilingual self Teachers	—	—	—	—	—	1.00	—
ED 5.11	Training to Interpreters	—	—	—	—	—	1.00	—
	Total (800)	5.00	5.00	48.00	100.50	60.00	115.00	100.00
	Total (05)	67.00	31.67	60.27	133.45	75.50	130.00	100.00
	Total (2 21 2202 00)	7637.00	2487.72	1768.28	2129.26	1993.97	416.00	180.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : TECHNICAL EDUCATION

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
2 21 2203 00 TECHNICAL EDUCATION								
001 Direction/Administration								
TE 1.1	(i) Strengthening of Directorate	10.00	8.27	2.99	4.00	4.50	1.00	—
	Total (001)	10.00	8.27	2.99	4.00	4.50	1.00	—
003 Training Schemes:								
TE 1.2	(i) Introduction of new courses at Government Polytechnic for Women, Jalandhar	20.00	—	31.92	40.00	25.00	50.00	40.00
	(ii) Modernisation of equipment/machinery Library & Building in special trade diploma level courses	175.00	37.57	9.98	10.00	5.00	95.00	50.00
	(iii) Starting of Book Bank for SC Students getting training in technical trades in all the institutions under Industrial Training	5.00	0.51	0.65	1.00	1.00	—	—
	(iv) Printing of Text Books	..	..	5.00	..	..	..	..
	Total (003)	200.00	38.08	47.55	51.00	31.00	145.00	90.00
104 Assistance to Non-Govt. Engineering Colleges								
TE 1.3	Diversified degree course in Industrial Design (Mech. Engg.) at Thaper Institute of Engg. & Tech., Patiala	12.00	9.25	—	—	—	—	—
TE 1.4	Diversified Degree course in Electronics & Engg. Communication at G.N.G.C., Ludhiana	9.00	7.74	6.00	3.00	3.00	—	—
TE 1.5	Diversification/Introduction of New courses	(74.50)	(10.85)	(5.00)	(12.00)	(10.00)	(4.00)	—
	(i) Production Engineering at G.N.E.C., Ludhiana	—	4.25	5.00	6.00	10.00	—	—
	(ii) Computer training facilities at G.N.E.C., Ludhiana	—	3.50	—	4.00	—	—	—
	(iii) Revision of Staff structures	—	—	—	2.00	—	4.00	—
	Total (104)	95.50	27.84	11.00	15.00	13.00	4.00	—
105 Government Polytechnics								
TE 1.6	Production-cum-training Centre at Govt. Polytechnic, Amritsar	16.00	1.05	—	1.00	—	—	—
TE 1.7	Service-cum-training Centre at Govt. Polytechnic, Batala	21.50	0.20	0.08	1.00	—	—	—

ANNUAL PLAN 1990-91
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : TECHNICAL EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
TE 1.8	Setting up of new Govt. Polytechnics in the State ..	(810.00)	(308.33)	(95.47)	(104.00)	(49.00)	(96.00)	(80.00)
	(i) Govt. Polytechnic, Bhatinda ..	—	244.32	28.50	50.00	29.00	15.00	10.00
	(ii) Govt. Polytechnic for Women, Patiala ..	—	64.01	69.97	54.00	20.00	80.00	70.00
	(iv) Govt. Polytechnic, Ferozpur ..	—	—	—	—	—	1.00	—
							(Token)	
TE 1.9	2 Year Diploma Course in Commercial Practice in Regional Language Punjabi at Govt. Polytechnic, Hoshiarpur/Amritsar ..	9.00	15.23	3.47	2.00	1.00	—	—
TE 1.10	Introduction of new courses ..	(283.50)	(54.79)	(48.81)	(45.00)	(56.00)	(44.00)	(20.00)
	(i) Pharmacy at Hoshiarpur ..	—	4.40	2.10	5.00	4.00	—	—
	(ii) Pharmacy at Amritsar ..	—	9.32	3.91	5.00	2.00	3.00	—
	(iii) Revision at staff structures ..	—	15.67	40.55	20.00	47.00	—	—
	(iv) TV Technology at Hoshiarpur ..	—	15.61	2.25	10.00	3.00	—	—
	(v) Agricultural Engineering at G.T.B. Garh ..	—	0.75	—	5.00	—	—	—
	(vi) Heat Treatment at Batala ..	—	9.04	—	—	—	—	—
	(vii) Starting of new courses in emerging technologies in various Govt. Polytechnics ..	—	—	—	—	—	41.00	20.00
TE 1.11	Providing separate feeder to each Govt. Polytechnic ..	5.00	3.47	—	—	—	—	—
TE 1.12	Installation of new tubewell at Govt. Polytechnic, Amritsar ..	1.75	0.72	—	—	—	—	—
	Total (Govt. Polytechnics) ..	1146.75	383.79	147.83	153.00	106.00	140.00	100.00
	Private Polytechnics							
TE 1.13	3—Years Diploma course in Architectural Assistantship at Thapar Polytechnic, Patiala ..	16.00	8.00	5.00	5.00	5.00	—	—
TE 1.14	3—Year Diploma course in Electronics & Communication at Meharchand Polytechnic Jalandhar ..	6.50	9.10	—	5.00	1.00	—	—
TE 1.15	1—Year Post Post Diploma course Hospital Engg. at Thapar Polytechnic, Patiala ..	2.25	0.55	—	—	—	—	—
TE 1.16	Introduction of new courses ..	(147.00)	(25.80)	(6.06)	(28.00)	(11.00)	(20.00)	—
	(i) Audio-Visual Centre at Thapar Polytechnic Patiala dn Ludhiana ..	—	1.00	1.00	1.00	1.00	—	—
	(ii) Computer Application at MC Polytechnic, Jalandhar ..	—	0.75	—	2.00	—	—	—
	(iii) Revision of Staff structure ..	—	3.05	5.06	15.00	7.00	—	—
	(iv) Pharmacy at Jalandhar ..	—	21.00	—	10.00	3.00	—	—
	(vi) Starting of new courses in emerging technology in Private Polytechnics ..	—	—	—	—	—	20.00	—
	Total (Private Polytechnics) ..	171.75	43.45	11.06	38.00	17.00	20.00	—
	Total (105) ..	1318.50	427.24	158.89	191.00	123.00	160.00	100.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : TECHNICAL EDUCATION

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
107 Scholarships								
TE 1-17	Scholarships	1.00	0.22	0.04	1.00	0.05	—	—
	Total (107)	1.00	0.22	0.04	1.00	0.05	—	—
112 Government Engineering Colleges								
TE 1.18	Setting up of Regional Engg. College, Jalandhar	150.00	52.92	49.88	40.00	60.00	130.00	100.00
TE 1.19	Setting up of new Government Engg. College at Bathinda	600.00	202.30	159.65	160.00	192.00	250.00	170.00
TE 1.20	Setting up of an Institute of Entrepreneurial Development and management	59.00	0.21	0.12	1.00	0.01	50.00	50.00
TE 1.21	Establishment of an Institute of Technology & Engg. at Longowal	—	48.23	—	50.00	60.00	100.00	100.00
TE 1.22	Establishment of National Institute of Pharmaceutical and Research	—	—	—	—	—	100.00	100.00
	Total (112)	809.00	303.66	209.65	251.00	312.01	630.00	520.00
800 Other Programmes:								
TE 1.23	Modernisation/strengthening of equipment in Govt. Polytechnics	20.00	16.02	5.73	5.00	5.00	20.00	—
TE 1.24	Student Amenities and Development of Campus	5.00	3.28	1.88	3.00	3.00	20.00	—
TE 1.25	Development of Libraries	10.00	—	—	—	—	20.00	—
TE 1.26	Book Bank for Poor students	10.00	4.18	3.00	4.00	4.00	—	—
TE 1.27	Staff quarter in Govt. Polytechnics	25.00	0.75	—	—	—	—	—
	Total (800)	70.00	24.23	10.61	12.00	12.00	60.00	—
	Total (2 21 2203 00)	2504.00	829.54	440.73	525.00	495.56	1600.00	710.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SPORTS AND YOUTH SERVICES

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
2 21 2204 00	Sports and Youth Services							
	001 Direction and Administration							
SY 1.1	Establishment of District Youth Centres . .	8.00	2.30	4.65	11.20	60.00	8.74	—
SY 1.2	Establishment of State Youth Training and Development Centre	4.00	0.87	1.17	3.50	2.00	0.60	—
	Total (001)	12.00	3.17	5.82	14.70	8.00	9.34	—
	101 Physical Education							
SY 1.3	Holding of coaching camps and competition	—	8.89	2.66	4.00	3.00	—	—
SY 1.4	Providing of sports material to Government Middle, High/Higher Secondary and Senior Secondary Schools	—	7.48	2.99	12.00	4.00	—	—
SY 1.5	Providing of latest sports equipment to 13 Sports Wings	—	5.79	2.00	4.00	2.50	—	—
SY 1.6	(i) Improvement in State School of Sports, Jalandhar	—	28.05	0.84	60.00	74.00	—	—
	(ii) Providing of Hostel facilities	—	—	—	—	—	26.00	26.00
	(iii) Improvement in rural area schools (To be implemented on 50:50 sharing basis with Government of India).	—	—	—	—	—	5.00	—
SY 1.7:	Cub and Bul Bul Movement	—	1.50	0.50	0.50	0.50	1.00	—
SY 1.8:	Opening of Sports Wings	—	10.75	10.81	17.30	13.00	—	—
SY 1.9:	Strengthening of 13 existing Sports Wings	—	5.78	1.92	4.50	2.50	—	—
SY 1.10:	Posts of Coaches and Game Boys in various games.	—	1.93	3.88	7.70	5.00	—	—
SY 1.11(i)	Posts of D.P.Es.	—	10.70	16.06	16.50	19.00	5.00	—
	(ii) Creation of 12 Posts of Deputy District (Physical) Education Officers	—	—	—	—	—	2.00	—
	(iii) Provision of Supporting staff	—	—	—	—	—	2.00	—
	Total (101)	300.00	80.87	41.66	126.50	123.50	41.00	26.00
	102 Youth Welfare Programme for Students.							
SY 1.12:	Youth festivals and awards	1.88	2.29	1.03	1.25	1.25	0.25	—
S.Y. 1.13:	Teacher Training Camps	0.80	0.49	0.18	0.25	0.25	0.05	—
S.Y. 1.14:	Youth leadership, Training, Hiking/ Trekking/Mountaineering Camps.	7.50	4.70	2.16	2.25	2.25	0.25	—
S.Y. 1.15:	Grant-in-aid for Schools and College Youth Clubs.	3.75	1.62	0.80	1.00	1.00	0.20	—
S.Y. 1.16:	Inter-State Tours	3.00	2.07	1.00	1.25	1.25	0.25	—
S.Y. 1.17:	Celebration of National Youth Day/Week	0.63	0.39	0.11	0.15	0.15	0.03	—
S.Y. 1.18:	National Services Scheme (State Share)	67.45	51.78	28.85	42.62	35.77	4.00	—
	Total (102)	85.01	63.34	34.13	48.77	41.92	5.03	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SPORTS AND YOUTH SERVICES.

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdt.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
	103 Youth Welfare Programme for Non-students.							
S.Y. 1.19:	Youth festivals and awards	1.87	2.25	1.03	1.25	1.25	0.25	—
S.Y. 1.20:	Youth leadership Training Hiking/Treking /Mountaineering Camps.	7.50	4.70	2.15	2.25	2.25	0.25	—
S.Y. 1.21:	Establishment of villages Youth clubs.	3.00	2.00	1.40	2.80	1.50	—	—
S.Y. 1.22:	Inter-State tours.	3.00	2.06	1.00	1.25	1.25	0.25	—
S.Y. 1.23:	Celebration of National Youth Day/week	0.62	0.37	0.11	0.15	0.15	0.02	—
S.Y. 1.24	Training to youth for self employment	—	—	—	—	500.00	—	—
	Total (103)	15.99	11.38	5.69	7.70	506.40	0.77	—
	104 Sports and Games.							
S.Y. 1.25:	Sports Wings in Governmnt Colleges.	25.00	4.02	7.44	9.15	8.50	—	—
S.Y. 1.26:	Coaching Scheme	25.00	8.55	2.75	5.00	4.00	20.00	—
S.Y. 1.27:	Competition Schemes	20.00	5.75	3.25	5.00	4.00	7.00	—
S.Y. 1.28:	Sports Scholarships	15.00	—	3.15	3.00	4.50	—	—
S.Y. 1.29:	Purchase of sports equipment	30.00	18.07	6.86	99.60	99.60	8.00	—
S.Y. 1.30:	Grant-in-aid to the Punjab Sports Council for the construction of Sports Complexes.	53.00	78.96	335.26	378.00	378.00	15.00	—
S.Y. 1.31:	Sports Hostels	27.00	15.88	5.82	6.00	7.15	—	—
	Total (104)	195.00	131.23	364.53	505.75	505.75	50.00	—
	Total (2 21 2204 00)	608.00	289.99	451.83	703.42	1185.57	106.14	26.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ART AND CULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
2 21 2205	00 ART AND CULTURE							
	001 Direction and Administration							
AC 1.1:	Strengthening of technical and administrative staff wings (Art and Culture).	10.00	—	—	4.50	0.15	—	—
AC 1.2:	Strengthening of technical and administrative staff Wings (Archaeology).	50.00	—	—	8.00	0.20	2.00	—
AC 1.3:	Strengthening of technical and administrative staff wings (Museum)	20.00	—	—	4.00	0.15	3.00	—
AC 1.4:	Strengthening of technical and administrative staff Wings (Archives).	—	—	—	—	—	1.50	—
	Total (001)	80.00	—	—	16.50	0.50	6.50	—
	102 Promotion of Art and Culture.							
AC 1.5:	Revival of folksongs/dances.	22.00	9.00	3.00	5.00	4.00	7.00	—
AC 1.6:	Sponsoring of Cultural troops and candidates	10.00	6.50	3.00	5.00	4.00	(Merged in Plan Scheme AC 1.8)	—
AC 1.7:	Grant-in-aid/endowment to the Institutions engaged in the promotion of Art and Culture.	15.00	12.89	3.00	5.00	4.00	35.00	—
AC 1.8:	Holdings of musical and cultural festivals, melas, seminar and conferences and sponsoring of cultural troupes.	10.00	8.62	8.00	15.00	5.00	15.00	—
AC 1.9:	Grant-in-aid to Zonal Culture Centre, Patiala	100.00	100.00	—	—	—	—	—
AC 1.10:	Punjabi Culture Centre, Delhi	—	—	—	1.00	—	1.00 (Token)	—
AC 1.11:	Preparation of Video Cassettes for preservation and projection of Punjab's cultural heritage.	—	—	10.50	10.58	—	—	—
AC 1.12:	State Film Awards to the best Punjabi Films	—	—	—	3.00	—	—	—
AC 1.13:	State Awards to performing Artists.	—	—	—	1.00	—	—	—
	Total (102)	157.00	137.01	27.50	45.58	17.00	58.00	—
	103 Archaeology.							
AC.2.1:	Conservation/preservation, land scaping and beautification of ancient and historical monuments	80.00	40.00	26.00	25.00	75.00	50.00	—
AC 2.2:	Chemical conservation of Paintings	5.00	3.30	1.00	1.00	1.00	2.00	—
AC 2.3:	Excavation and exploration and publication of archaeological report	13.00	9.20	5.00	5.00	6.50	8.00	—
AC 2.4:	Modernisation of chemical conservation laboratory	8.00	6.00	2.50	2.50	2.50	5.00	—
A.C. 2.5	Strengthening of reference Library	3.00	1.50	0.50	0.50	0.60	1.00	—
	Total (103)	109.00	60.00	35.00	34.00	85.60	66.00	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ART AND CULTURE

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
104 Archives :								
A.C. 3.1	Modernisation and preservation of archives	10.00	0.34	—	2.70	—	2.00	—
A.C. 3.2	Setting up of cell at Amritsar for material relating to Maharaja Ranjit Singh	2.50	—	—	1.23	—	1.00	—
A.C. 3.3	Modernisation of preservation techniques	40.00	19.61	6.28	7.03	4.50	5.50	—
A.C. 3.4	Strengthening of State Archives Library	2.50	1.11	0.45	1.44	0.50	1.50	—
A.C. 3.5	Construction of Archival building	—	—	—	10.00	—	63.00	63.00
A.C. 3.6	Management of Records	—	—	—	—	—	2.00	—
A.C. 3.7	Maintenance, Micro Filming and editing of records/documents	—	—	—	—	—	6.50	—
	Total (104)	55.00	21.06	6.73	22.40	5.00	81.50	63.00
105 Public Libraries :								
A.C. 4.1	(i) Establishment and strengthening of district libraries (DPL) (C)	20.00	15.12	5.05	16.52	5.42	20.00	10.00
	(ii) Cultural Activities	—	—	—	—	—	2.00	—
	Total (105)	20.00	15.12	5.05	16.52	5.42	22.00	10.00
107 Museums :								
A.C. 5.1	Museum Publication	5.00	3.00	1.00	1.00	1.00	2.00	—
A.C. 5.2	Renovation/Improvement and display in Museums/Galleries	22.00	22.70	12.00	52.00	43.00	100.00	80.00
	Total (107)	27.00	25.70	13.00	53.00	44.00	102.00	80.00
800 Other Expenditure :								
A.C. 6.1	Purchase of modern machinery and equipment for Archaeology and Museum	10.00	6.00	1.50	2.00	2.00	3.00	—
	Total (800)	10.00	6.00	1.50	2.00	2.00	3.00	—
	Total (2.21 2205 00)	458.00	264.89	88.78	190.00	159.52	339.00	153.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Code No.	Name of the scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Espdr.	1989-90		Annual Plan 1990-91	
					Approved outlay	Anticipated Expdr.	Approved outlay	Of Which Capital content
1	2	3	4	5	6	7	8	9
222 2210 00 Medical and Public Health¹								
01 Urban Health Services—Allopathy								
102. Employees State Insurance Scheme								
PH 1.1	Employees State Insurance Scheme	75.00	15.87	11.00	17.00	18.00	5.00	—
109 School Health Scheme								
PH 1.2	Strengthening of School Health Clinics	36.30	9.17	14.57	27.40	19.40	4.55	—
10 Hospitals and Dispensaries								
PH 1.3	Opening of new Dispensaries in Urban/ Slum Areas	50.00	3.94	7.80	22.50	11.50	—	—
PH 1.4	Provincialisation of Local Bodies Hospitals/ Dispensaries	20.00	1.09	6.62	22.00	8.00	—	—
PH 1.5	Upgradation/strengthening of existing Hospitals	300.00	138.55	41.32	50.00	60.00	—	—
PH 1.6	Establishment of intensive care Units in District level Hospitals	50.00	13.02	13.51	16.00	10.00	—	—
PH 1.7	Removal of shortcomings in Machinery and Equipment in existing hospital Sub-Divisional Hospitals/District Hospitals.	1000.00	165.10	—	5.00	18.00	—	—
PH 1.8	Opening of Psychiatric clinics at District level Hospitals	10.00	0.17	—	5.00	0.50	—	—
PH 1.9	Establishment of Physiotherapy Units at District Level Hospitals	—	—	—	—	—	—	—
200 Other Health Schemes								
PH 1.10	Blood Transfusion services in the State Sub-Divisional Hospitals	26.00	6.00	3.99	12.00	7.00	—	—
300 Other Expenditure								
PH 1.11	Providing Independent feeder to provide continuous light in Hospitals	20.00	—	—	5.00	1.12	—	—
PH 1.12	Providing of Generator Sets at District and other important Hospitals	20.00	7.65	9.97	5.00	5.00	—	—
PH 1.13	(a) Providing of Solar Water Heating pannels in Hospitals (b) Maintenance of existing solar water heating pannels	15.00	6.00	3.50	3.00	3.00	—	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
PH 1.18	Improvements of Punjab Mental Hospital Amritsar	10.00	1.00	2.51	5.00	1.50	—	—
PH 1.19	Setting up of Glucose Saline manufacturing unit at Ludhiana	5.00	—	—	—	—	—	—
	Total (110)	1637.30	367.56	114.79	194.90	163.02	9.55	—
	Total 01	1637.30	367.56	114.79	194.90	163.02	18.00	—
102. Homoeopathy								
HM 2.1	Strengthening of Head Quarter Staff	10.30	—	—	1.50	0.50	1.00	—
HM 2.2	Establishment of 10 Bedded Cancer and Skin Diseases Homoeopathic Hospital in the State at Jalandhar	14.70	7.97	3.25	4.00	4.00	—	—
HM 2.3	Opening of Homoeopathic Dispensaries in the State	90.00	36.47	25.13	25.00	25.00	—	—
HM 2.4	Strengthening of existing Dispensaries	—	—	—	—	—	—	—
HM 2.5	Publication of Homoeopathic Literature in Regional Language (Punjabi)	—	—	—	—	—	1.00	—
HM 2.6	State Institute of Homoeopathic Education and Research	—	—	—	—	—	15.00	15.00
	Total	115.00	44.44	28.28	30.50	29.50	17.00	15.00
02 Urpun Health Services—Other System of Medicines :								
101 Ayurveda								
AY 2.1	Strengthening of Ayurvedic Department Head Quarter Staff	8.30	—	—	0.50	0.50	1.00	—
AY 2.2	Strengthening of Ayurvedice Department District Headquarters Staff	2.44	—	—	1.00	1.00	—	—
AY 2.3	Upgradation of Government Ayurvedic Dispensaries to Ayurvedic Swasthya Kendras	—	—	—	—	—	—	—
AY 2.4	Establishment of 10 Bedded Ayurvedic Hospitals at District Head quarter	—	—	—	—	—	—	—
AY 2.5	National Health Programme—implementation through Ayurveda	—	—	—	—	—	—	—
AY 2.6	Upgradation of Government Ayurvedic Hospital, Patiala	—	—	—	—	—	—	—
	Total	10.74	—	—	1.50	1.50	1.00	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh	1985-88	1988-89	1989-90		Annual Plan 1990-91	
		Plan (1985-90) Agreed Outlay	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
03. Rural Health Services—Allopathy								
101. Health Sub-Centres								
PH 3.1	Opening of New Sub-Centres—Multipurpose Worker Scheme Strengthening of sub-centres	836.15	42.82	45.32	121.00	61.00	—	—
	Total (101)	836.15	42.82	45.32	121.00	61.00	—	—
102. Subsidiary Health Centres								
PH 3.2	Strengthening of subsidiary Health Centres Dispensaries in Rural Areas of the State by providing buildings for staff quarters	—	—	58.44	100.00	50.00	—	—
	Total (102)	—	—	58.44	100.00	50.00	—	—
7.103 Primary Health Centres								
PH 3.5	Opening/Estt. of PHCs. by upgradation SHCS (iv) Estt. of Mobile Medical Teams in Border areas (40 Teams)	—	—	—	—	—	—	—
	(v) Estt. of one Model PHC in one block of each District (12)	—	—	—	—	—	—	—
	Total (102)	1630.00	222.74	143.22	310.00	255.00	—	—
PH 3.6	Continuing Education of PHC/Rural Health Staff (50:50 sharing basis)	25.00	0.68	0.08	6.00	3.00	6.00	—
	Total	25.00	0.68	0.08	6.00	3.00	6.00	—
	Grand Total (104)	1655.00	223.42	143.30	316.00	258.00	6.00	—
104 Community Health Centres								
PH 3.7	Establishment of Community Health Centres	160.00	160.13	100.35	130.00	137.60	—	—
	Total	160.00	160.13	100.35	130.00	137.60	—	—
110. Hospital and Dispensaries								
PH 3.8	Establishment of 25/30 bedded Block level Rural Health Hospitals—Removing of Short-comings in the Existing Hospitals	230.00	53.95	9.07	20.00	25.00	—	—
PH 3.9	Establishment of Dental Clinics/strengthening Removing of short comings in existing Dental Clinics	6.00	6.18	9.41	10.00	10.00	—	—
	Total (110)	236.00	60.13	18.48	30.00	35.00	—	—
800. Other Expenditure								
PH 3.10	Training and Employment of Multipurpose workers scheme (50 : 50, sharing basis)	132.00	6.78	1.82	30.00	4.00	—	—
PH 3.11	Provision of Additional Laboratory Technicians at each PHC (50:50 sharing basis)	60.00	6.98	16.78	15.00	11.00	—	—
	Total (800)	192.00	13.76	18.60	45.00	15.00	—	—
	Total (03)	3079.15	500.26	384.49	742.00	556.60	6.00	—

DRAFT ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expendi- ture	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
04. Rural Health Services—Other System of Medicines								
101. Ayurveda								
AY 4.1	Strengthening of Existing Ayurvedic Dispensaries	12.12	6.17	3.26	8.10	5.10	—	—
AY 4.2	Opening of ISM Dispensaries	32.14	15.45	14.03	16.00	16.00	—	—
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	—	—	—	—	—	—	—
Total		44.26	21.62	17.29	24.10	21.10	—	—
AY 5.1	Improvement & Expansion of Govt. Ayurvedics Pharmacy at Patiala	41.00	11.04	2.45	5.00	5.00	—	—
Total		41.00	11.04	2.45	5.00	5.00	—	—
105. Allopathy—D.R.M.E.								
DRME								
MD 5.1	Strengthening of the o/o D.R.M.E.	10.00	0.83	0.17	0.50	1.50	1.00	—
MD 5.2	Expansion and Improvement of M.C. Amritsar	229.45	10.56	12.95	20.00	15.00	6.00	—
MD 5.3	Expansion and Improvement of M.C. Patiala	100.00	24.50	22.75	20.00	20.00	29.00	25.00
MD 5.4	Expansion and Improvement of G.G.S.M.C. Faridkot including opening of Pharmacist and Laboratory Technician Training course at M.C. Faridkot	883.00	392.49	76.31	220.00	160.00	180.00	160.00
MD 5.5	Expansion and Improvement of dental College and Hospital, Amritsar	198.00	7.28	1.09	15.00	10.00	10.00	—
MD 5.6	Expansion and Improvement of Dental Wings, M.C. Patiala	55.00	27.34	17.21	30.00	37.50	60.00	30.00
MD 5.7	Expansion and Improvement of Libraries in the State Medical/Dental College	100.00	40.18	14.11	15.00	10.00	5.00	—
MD 5.8	Grant for Applied Research	10.00	4.83	1.99	2.00	2.00	2.00	—
MD 5.9	Reorientation of Medical Education	150.00	22.14	2.28	10.00	5.50	10.00	10.00
MD 5.10	Expansion and improvement of S.G.T.B. Hospital Amritsar including installation of CAT scanning machine S.G.T.B., Amritsar.	325.00	98.95	82.88	65.00	50.00	210.00	30.00
MD 5.11	Expansion and improvement of R.H. Patiala including installation of C.A.T. scanning machine at R.H. Patiala	300.00	59.70	59.66	35.00	190.00	5.00	—
MD 5.12	Expansion and improvement of G.G.S. Hospital, Faridkot	285.00	67.35	36.82	40.00	55.00	25.00	—
MD 5.13	Expansion and Improvement of T.B. Sanitorium, Amritsar	31.30	11.94	9.27	25.00	18.25	7.00	5.00
MD 5.14	Expansion and improvement of T.B. Centre, Patiala	23.25	7.11	2.36	5.50	7.25	7.00	5.00
MD 5.15	Setting up of School of Nursing at Guru Gobind Singh Medical College, Faridkot	New scheme	—	—	—	—	10.00	—
MD 5.16	Setting up of B.Sc. Nursing College at Medical College, Amritsar and Patiala	New scheme	—	—	—	—	10.00	—
Grand Total		2700.00	775.20	339.85	503.00	592.00	577.00	265.00

**ANNUAL PLAN 1990-91
STATEMENT II :: SCHEMES
OUTLAY AND EXPENDITURE
HEAD : MEDICAL AND PUBLIC HEALTH**

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual EXPdr.	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
	06 Public Health							
	003 : Training :							
PH 6.1	(a) Upgradation of Existing Health and Family Welfare Training Centre at Kharar ..	16.00	3.81	3.47	8.00	2.00	—	—
	(b) Training of Doctors in Hospital Management and Administration participation in various pre-service and Inservice Training Courses ..	—	—	—	—	—	12.00	—
	(c) Strengthening and Augmenting Trg. facilities available at advance Dental Trg. and Research Centre to P.C.M.S.—II Dental Doctor Mohali in relation to equipment and man power. ..	—	—	—	—	—	2.00	—
	Total ..	16.00	3.81	3.47	8.00	2.00	15.00	—
	101 Prevention and control of Diseases							
PH 6.2	National Malaria Eradication programme, (Rural) (50 : 50 sharing basis) ..	1750.00	833.91	274.97	350.00	350.00	—	—
PH 6.3	National Malaria Eradication programme (urban) Anti Larval (50:50 sharing basis) New Component ..	250.00	103.12	58.04	75.00	63.00	22.00	—
PH 6.4	National T.B. Control programme (50:50 Sharing Basis) ..	100.00	48.54	5.27	37.00	37.00	22.00	12.00
PH 6.5	National programme for the control of Blindness—Opening of District Eye-mobile Units ..	66.00	8.83	9.86	17.00	17.00	10.00	—
PH 6.6	Expansion of Immunisation Programme ..	16.05	—	—	4.00	—	—	—
PH 6.7	Hospital Treatment of diarrhoea disease by oral Re-hydration Therapy ..	15.50	8.60	0.50	3.00	3.00	3.00	—
	Total : (101) ..	2197.55	1003.00	348.64	486.00	470.00	57.00	12.00
	102 Prevention of Food Adulteration							
PH 6.8	Creation of Food Cell in the Directorate ..	13.00	1.33	—	5.50	—	—	—
PH 6.8	(a) Mobile Food Testing Laboratory ..	—	—	—	—	—	—	—
	Total 102 ..	13.00	1.33	—	5.50	—	—	—
	103 Drug Control							
PH 6.9	Strengthening of Drug Control/Food Standard Organisation/Strengthening of Drug Testing Laboratories ..	35.00	—	—	5.00	—	—	—
PH 6.10	Setting up of rehabilitation Centres for drug users— ..	—	—	—	7.00	—	—	—
	Total (103) ..	35.00	—	—	12.00	—	—	—
	104 Public Health Laboratories							
PH 6.11	(a) Strengthening of Food Laboratories ..	32.00	1.04	—	—	—	—	—
PH 6.11	(b) Revamping of Emergencies services in the State ..	—	—	—	—	—	—	—
	(c) Provision of Emergency Medical Care Services in selected institutions in the State. ..	—	—	—	—	—	36.25	6.25
PH 6.12	Strengthening of State Health and District Laboratories ..	5.75	0.20	—	3.00	—	5.00	—
PH 6.13	Strengthening of State Excise Laboratories ..	38.00	1.98	3.42	7.00	7.00	6.00	—
PH 6.14	Creation of Goitre Control Cell in the Directorate for the Goitre Control Programme ..	—	—	—	—	—	5.25	—
	Total (104) ..	75.75	3.22	3.42	10.00	7.00	52.50	6.25

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : MEDICAL AND PUBLIC HEALTH

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects.	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expdr.	1988-89 Actual Expdr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expdr.	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
112 Public Health Education								
PH 6.15	Strengthening of State Health Education Bureau ..	5.25	—	—	2.50	—	—	—
	Total (112) ..	5.25	—	—	2.50	—	—	—
113 Public Health Publicity								
PH 6.16	Grant of additional incentives/compensation out of State's fund to acceptors of sterilisation ..	300.00	193.47	28.62	65.00	65.00	65.00	—
PH 6.17	(a) World Bank Assistance Project for Training and Manpower Development Project (10% State Share) ..	—	—	—	—	—	30.00	11.00
	Total (113) ..	300.00	193.47	28.62	65.00	65.00	95.00	11.00
800 Other Expenditure								
PH 6.18	Establishment of Health Equipment and maintenance Repair Unit ..	50.00	1.33	0.97	6.00	—	—	—
PH 6.19	(a) Establishment of Cell for Monitoring and Coordination Plan and Non-Plan Programme being implementation by DHS ..	—	—	—	—	—	4.00	—
	Total (800) ..	50.00	1.33	0.97	6.00	—	4.00	—
	Total (06) ..	2692.55	1206.16	385.12	595.00	544.00	223.50	29.25
80 General								
PH 7.1	Strengthening of Health Statistics Organisation M & E Cell at State Level ..	15.00	—	—	—	—	—	—
PH 7.2	Prophylaxis against Nutritional anemia in young Girls ..	—	—	—	—	—	—	—
PH 7.3	Management Information System ..	15.00	—	—	4.00	—	—	—
PH 7.4	Creation of Training/Leave Reserve posts of Doctors ..	—	—	—	—	—	—	—
PH 7.5	Completion and Improvement in the buildings of the Department not owned by P.W.D. ..	—	—	—	—	—	—	—
	Total (80) ..	30.00	—	—	4.00	—	—	—
	Total (2 22 2210 00) ..	10350.00	2926.22	1272.37	2100.00	1912.72	834.05	309.25

ANNUAL PLAN 1990-91
STATEMENT-II: SCHEMES
OUTLAY AND EXPENDITURE
HEAD : WATER SUPPLY AND SANITATION

(Rs. in lakhs)

Code No.	Name of the scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	Actual Expenditure 1985-88	Actual Expenditure 1988-89	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital Content
1	2	3	4	5	6	7	8	9
223 2215 00	Water Supply and Sanitation:							
01	Water Supply:							
101	Urban Water Supply Programmes:							
101	WS-1 Financial Assistance to Municipal Committees (Water Supply & Sewerage Schemes):							
	(a) L.I.C. Aided Project:—							
	(i) 3rd package	..	—	470.00	—	—	—	—
107	(ii) 4th package	..	870.00	300.00	294.91	250.00	250.00	—
107	(iii) 5th package	..	—	18.00	190.09	300.00	300.00	—
	(b) Other Water Supply Scheme	..	800.00	183.00	51.78	—	—	—
107	(c) Other Sewerage Scheme	..	800.00	138.00	39.72	—	—	—
107	(d) HUDCO aided Water Supply & Sewerage Project	..	130.00	402.00	235.99	225.00	225.00	—
	Total	..	2600.00	1511.00	812.49	775.00	775.00	—
105	WS-3 Setting up of compost plants at Amritsar, Jalandhar & Ludhiana	..	70.00	—	—	—	—	—
105	WS-4 Urban Solid Waste disposal	..	50.00	—	—	—	—	—
001	WS-5 Water Supply & Sewerage Board	..	40.00	—	—	—	—	—
105	WS-6 Setting up of Sewerage treatment plants	..	2950.00	—	—	—	—	—
106 (i)	WS-7 Low Cost Sanitation Project	..	87.00	64.97	38.86	50.00	—	—
105	WS-8 Water & Air Pollution Control	..	3.00	—	—	—	—	—
105	WS-9 UNICEF-aided water supply & sewerage pilot project (UBS)	..	—	15.00	22.74	25.00	25.00	—
	Total	..	3200.00	79.97	61.60	75.00	25.00	—
	Total (101)	..	5800.00	1590.97	874.09	850.00	800.00	—
	102 Rural Water Supply Programmes:—							
105 (i)	RWS-1 Rural Water Supply	..	7000.00	3048.88	1253.90	1600.00	1600.00	—
105 (ii)	RWS-2 Low Cost Sanitation	..	250.00	64.50	175.00	100.00	175.00	—
	Total (102)	..	7250.00	3113.38	1428.90	1700.00	1775.00	—
	Total (101+102)	..	13050.00	4704.35	2302.99	2550.00	2575.00	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD: HOUSING

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects*	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
223 2216 00	HOUSING							
	01: Govt. Residential Buildings:							
106 HG1.1	At District/Tehsil Headquarters and at other places ..	1,000.00	267.24	16.02	50.00	—	20.81	20.81
106 HG1.2	At focal points ..	59.00	—	—	—	—	—	—
106 HG1.3	(a) For Govt. Employees at Chandigarh ..	941.00	361.10	10.00	50.00	50.00	358.31	358.31
	(b) Officer Flats for Govt. officers posted at Chandigarh ..	—	—	—	—	—	172.00	172.00
	Total ..	2,000.00	628.34	26.02	100.00	50.00	551.12	551.12
	700 Other Housing Schemes:							
106 HG2.1	Subsidized Industrial Housing Scheme ..	75.00	—	—	—	—	—	—
106 HG2.2	Houses for Rural Homeless ..	324.00	206.81	55.44	53.11	55.28	32.55	32.55
106 HG2.3	Low Income Group Houses ..	100.00	295.07	109.46	145.00	95.00	70.00	70.00
106 HG2.4	Middle Income Group Housing ..	70.00	168.30	76.00	80.00	80.00	80.00	80.00
	HG2.5 Loan to Govt. Servants :							
	(a) For construction of Houses ..	1,500.00	1,055.05	358.00	278.00	395.30	349.00	349.00
	(b) For repair/purchase of plots, built-up houses ..	300.00	189.82	125.71	80.00	136.83	150.00	150.00
106 HG2.6	Loan for building houses in Urban Estates ..	30.00	—	—	—	—	—	—
102 HG2.7	Village Housing Project Scheme ..	100.00	170.00	80.00	80.00	80.00	50.00	50.00
106 HG2.8	Loans for construction of houses for Ministers/Speaker/Deputy Speaker ..	100.00	—	—	1.00	—	30.00	30.00
106 HG2.9	Loans for construction of Houses for M.L.A's ..	75.00	50.40	4.60	—	—	20.00	20.00
	Total ..	2,674.00	2,135.45	809.21	717.11	842.41	781.55	781.55
	Other Programme:							
103 HG3.1	Contribution to Housing Board. :							
	(i) Construction of Houses ..	500.00	240.00	—	80.00	—	80.00	80.00
	(ii) Allotment of free L.I.G. houses to registered migrants/widows/ destitutes ..	—	84.16	22.85	22.85	22.85	22.85	22.85
	(iii) Allotment of L.I.G. houses to registered migrants on concessional terms ..	—	65.52	9.66	5.04	5.04	5.04	5.04
	Total ..	500.00	389.68	32.51	107.89	27.89	107.89	107.89

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : HOUSING

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects*	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
107 Police Housing:								
107	HG4.1 Houses for Police	.. 2,000.00	818.70	157.22	*	*	1,000.00	1,000.00
104 Housing Cooperatives:								
190	HG5.1 (a) Assistance to Housing Societies/ Housing Federations as marginal money and marginal subsidy	.. 200.00	100.00	50.00	75.00	75.00	150.00	150.00
Total		.. 2,200.00	918.70	207.22	75.00	75.00	1,150.00	1,150.00
107	HG4.2 Action Plan for Police	.. —	—	—	8,070.00	8070.00	—	—
Grand Total		.. 7,374.00	4,072.17	1,074.96	9,070.00	9,065.30	2,590.56	2,590.56

*The outlay may be met from the Scheme HG4.2 "Action Plan for Police".

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD: URBAN DEVELOPMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
223 2217 00	Urban Development :							
050 UD-1	Urban Estates —							
050	(a) Acquisition of land—							
	(i) Acquisition of new land ..	300.00	—	514.00	85.00	85.00	—	—
	(ii) Setting up of new town at Ranjit Garh ..	—	—	—	—	—	—	—
051	(b) Development of land—							
050	(i) Undeveloped ..	795.00	445.22	30.00	—	—	—	—
050	(ii) Semi-developed ..	515.00	808.15	30.00	550.00	550.00	595.00	595.00
050	(iii) Landscaping ..	100.00	58.00	—	35.00	35.00	50.00	50.00
051	(iv) Augmentation of Water Supply at SAS Nagar with canal water from Morinda ..	150.00	120.00	—	—	—	—	—
191	(c) Decretal Liability—							
	(i) Payment of enhanced compensation of already acquired land ..	600.00	450.00	150.00	200.00	200.00	250.00	250.00
191	(ii) Payment of superstructure on the acquired land ..	225.00	68.51	47.00	30.00	30.00	30.00	30.00
191	(iii) Payment of enhanced compensation of land after amendment of Act, 1894 ..	115.00	115.00	—	—	—	—	—
	Total ..	2800.00	2064.88	771.00	900.00	900.00	925.00	925.00
191 UD.2	Financial Assistance to Improvement Trusts :							
191	(i) Development Activities ..	46.00	28.00	9.00	10.00	—	—	—
191	(ii) Allotment of plots on concessional terms basis to registered migrants ..	—	—	—	—	—	—	—
050 UD-3	Town & Regional Planning-Rural & Urban Sector Area Planning ..	50.00	—	—	—	—	—	—
050 UD-4	Integrated Development Programme of bigger towns ..	69.00	36.00	12.00	21.00	21.00	—	—
050 UD-5	Interested Development Programme of Small & Medium Towns ..	600.00	149.05	89.34	62.00	62.00	—	—
050 UD-6	Environmental Improvement of Slums ..	500.00	155.00	62.00	62.00	62.00	—	—
191 UD-7	Training for Management of Urban Development of Local Bodies ..	10.00	6.00	2.00	2.00	2.00	—	—
191 UD-8	Setting up of environmental Parks in Small Towns ..	—	—	—	10.00	10.00	—	—
191 UD-9	Setting up of Punjab Urban Development Authority ..	—	—	—	1.00	—	5.00	5.00
191 UD-10	Grant-in-aid to MCs/Corporations/NACs :							
UD-11	(i) Development activities/Works Governing of Ganda Nalait Patiala ..	—	—	—	100.00	100.00	—	—
	Total ..	1275.90	374.05	174.34	268.00	257.00	5.00	5.00
	Grand Total ..	4075.00	2438.93	945.34	1168.00	1072.00	930.00	930.04

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SOCIAL SERVICES

(Rs. in lakhs)

Code No.	Name of the Schemes/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
2 24 2220 INFORMATION AND PUBLICITY :								
01 A. Films :								
105	Purchase and Production of Films ..	20.00	21.07	4.58	5.50	9.95	10.00	—
	Total ..	20.00	21.07	4.58	5.50	9.95	10.00	—
60 B. Others :								
102-IP-2.1	(Information Centres) Display Advertisement ..	20.50	27.48	19.00	14.00	14.00	14.80	—
111-IP-2.2	Teleprinter Lines ..	14.50	25.01	10.80	11.30	11.30	—	—
106-IP-2.3	(i) Field Publicity ..	75.00	76.36	37.40	32.00	32.00	25.00	—
	(ii) To Mobilise public opinion against terrorism in Punjab ..	—	—	—	100.00	86.83	100.00	—
107-IP-2.4	Song and Drama Services ..	20.00	11.53	3.90	4.00	4.00	10.00	—
107-IP-2.5	Light and Sound ..	22.00	9.53	3.40	3.50	4.10	—	—
110-IP-2.6	Purchased and Production of Literature ..	15.00	7.91	2.38	3.00	3.00	5.00	—
111-IP-2.7	Community Listening ..	0.50	0.20	0.10	0.10	0.10	—	—
1-IP-2.8	Television Scheme ..	10.00	5.72	1.90	2.00	2.00	5.00	—
800-IP-2.9	Exhibition (including Exhibition Board) ..	98.50	74.29	43.00	20.00	20.00	23.00	—
101-IP-2.10	Wall Printings and Hoardings ..	2.50	0.67	0.20	0.20	0.20	0.50	—
110-IP-2.11	Purchase of Books for Library at Headquarters ..	1.00	0.58	0.17	0.20	0.20	0.40	—
101-IP-2.12	Feed Back Studies ..	0.50	0.25	0.09	0.10	0.10	0.10	—
001-IP-2.13	Strengthening of Department of Public Relation ..	—	0.20	0.10	0.10	0.10	0.10	—
001-P-2.14	Setting up of Colour Laboratory ..	—	—	—	—	—	2.00	—
001-P-2.15	Loans for Small Newspaper for setting up Printing Press ..	—	—	—	—	—	0.10	—
	Total ..	280.00	239.65	122.62	190.50	177.93	186.00	—
	Grand Total ..	300.00	260.72	127.20	196.00	187.88	196.00	—
800 FILMS :								
Films Corporation								
800-IP-3.1	Share Capital Contribution to Punjab Films and News Corporation ..	25.00	15.00	5.00	5.00	13.12	5.00	—
	Grand Total ..	325.00	275.72	132.20	201.00	201.00	201.00	—

ANNUAL PLAN 1990-91

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : WELFARE OF SCHEDULED CASTES, SCHEDULED TRIBES AND OTHER BACKWARD CLASSES

(Rs. in lacs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
225 2225 00	WELFARE OF SCHEDULED CASTES, SCHEDULED TRIBES AND BACKWARD CLASSES							
	61 Welfare of Scheduled Castes :							
	102 Economic Development :							
SC 1.1	Grant for purchase of Plot for Economic ventures including commercial activities	100.00	—	—	5.00	5.00	—	—
SC 1.2	Share Capital Contribution to PSCFC (State Share)	255.00	111.53	51.00	51.00	51.00	153.00	153.00
	(i) Purchase of Agriculture Land	—	—	—	—	—	72.00	72.00
	(ii) Financing of Transport Vehicles	—	—	—	—	—	51.30	51.30
	(iii) Setting up of Subsidiary Company to undertake diverse Ways and measures to improve the economic lot of leather workers	—	—	—	—	—	18.51	18.51
	(iv) Matching Assistance for Staff Promotional Activities	—	—	—	—	—	11.19	11.19
SC 1.3	Interest Subsidy to S.C. to meet the already incurred interest liability	300.00	100.00	10.00	—	Scheme Dropped		
SC 1.4	Issue of Yellow Cards	5.00	1.00	Scheme transferred to Rural Dev. and Panchyat Deptt. 1987-88.				
CS 1.5	Capital Subsidy through PSCFC under Bank-tie-up Loaning Programme for below Poverty line SCs	—	—	—	—	—	{ To be met out of Excess & Surrenders at a cost of Rs 940.00 lacs and Rs 10.00 lacs from SC 1.2 Scheme	
SC 1.6	On the Job Training for Guaranteed Employment to un-Employed SCs	—	—	—	—	—	—	—
	Total	660.00	212.53	61.00	56.00	56.00	153.00	153.00
	277 Education :							
SC 2.1	Free Books of S.C. students 1-12 Classes	570.00	419.20	290.15	244.35	400.58	—	—
SC 2.2	Grants for the purchase of—							
	(a) Medical and Engg. Books (State Share)	10.00	3.76	1.98	2.00	2.00	—	—
	(b) Law Books	3.00	1.80	0.60	0.60	0.60	—	—
SC 2.3	Technical Training and Industrial Trades	40.00	—	Transferred to Non-Plan.			Transfer need to I.T.I.	
	(b) Construction of an Advance III	20.00	0.10	—	—	—	—	—
SC 2.4	Grant to S.C. Girls Students studying in post-Matric and Post-graduate Classes	143.00	36.00	12.97	15.35	9.00	—	—
SC 2.5	Coaching and Allied Schemes—							
	(a) Coaching for I.A.S. and allied services/ P.C.S. and allied Services/LIC and Banking Services (State Share)	25.00	5.88	—	—	Scheme adopted by G.O.I. as 100%		
	(b) Coaching for stenography	12.00	5.83	1.70	2.50	1.90	—	—
	(c) Setting up of Residential Institute (State Share)	35.00	17.00	7.66	9.00	5.00	7.00	—
SC 2.6	Hostels for Boys and Girls in Schools and Colleges (State Share)	3.00	2.60	1.00	1.00	1.00	—	—
SC 2.7	Grant to students studying in Medical and Engg. Colleges	80.00	17.74	10.00	10.00	5.00	—	—
SC 2.8	Awards to S.C. sports Students (6-12 Classes)	100.00	4.45	11.14	27.20	—	—	—
SC 2.9	(i) Pre-matric Scholarships to children of those engaged in unclean occupations (State Share)	250.00	14.15	1.44	42.00	12.40	—	—
SC 2.9	(ii) Strengthening of 108 Community Welfare Centres	—	—	—	—	—	{ To be implemented at cost of Rs. 13.77 lacs by way of diversion from SC 2.9(i) scheme	
SC 2.10	Coaching of SC students	10.00	—	—	Scheme Dropped.			
SC 2.11	Opportunity cost for Primary Girl Students of those engaged in unclean Occupation	374.00	—	—	Scheme Dropped.			
SC 2.12	Reading Rooms in S.C. Dharamshala	—	—	—	—	—	—	—
SC 2.13	Nursery Schools-cum-Creches in localities of Safai Mazdoors	—	—	—	—	—	—	—
SC 2.14	Attendance Scholarship (Cash Awards) to Primary S.C. girls	—	—	—	—	—	—	—
	Total	1675.00	682.53	338.64	354.00	437.08	7.00	—

ANNUAL PLAN 1990-91

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : WELFARE OF SCHEDULED CASTES, SCHEDULED TRIBES AND OTHER BACKWARD CLASSES

(Rs. in lacs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6	7	8	9
282 Health :								
SC 3.1	Environmental Improvement to Harijan Basties including Drinking Water Unit including Community Latrines ..	650.00	246.00	82.40	80.00	56.00	—	—
SC 3.2	One Electric Point to Every unelectrified SC household ..	—	62.20	30.00	30.00	30.00	—	—
SC 3.3	One Electric Point connection to SC unelectrified Dharamshalas ..	—	7.80	5.00	5.00	5.77	—	—
SC 3.4	Assistance to S.C. for the Development of menurial pits ..	—	—	—	—	—	—	—
SC 3.5	Individual Water Borne Latrines for SC in Rural Area ..	—	—	—	—	—	—	—
	Total ..	650.00	316.00	117.40	115.00	91.77	—	—
283 Housing :								
SC 4.1	Grants to Sweepers/Scavengers/Flayers and Tanners for construction of houses ..	60.00	40.00	15.00	20.00	—	Scheme dropped	
SC 4.2	Grants to Vim., at Jatis for the construction of houses ..	50.00	21.00	8.00	10.00	—	Do	
SC 4.3	Houses for Homeless in Rural Areas ..	—	—	—	—	—	—	—
SC 4.4	Houses for Homeless in Urban Areas ..	—	—	—	—	—	—	—
	Total ..	110.00	61.00	23.00	30.00	—	—	—
866 Other expenditure :								
SC 5.1	Construction of Dharamshalas/Chaupals ..	150.00	97.00	14.55	1.00	1.00	Scheme dropped	
SC 5.2	Grants for purchases of utensils for SC Dharamshalas ..	—	35.00	—	1.00	—	Do	
SC 5.3	Programme for Implementation of PCR Act. 1955—							
	(a) Removal of untouchability (Share State 50%) ..	10.00	5.34	5.00	5.00	5.00	6.00	—
	(b) Liberation of Scavengers (State Share 50%) ..	—	—	47.91	68.00	—	—	—
	Total ..	160.00	134.54	67.46	75.00	6.00	6.00	—
02 Welfare of Scheduled Tribes—There is no Scheduled Tribe Population in the State.								
03 Welfare of Backward Classes :								
102 Economic Development								
SC 6.1	Share Capital Contribution to Bkfinco ..	100.00	40.00	10.00	10.00	10.00	80.00	80.00
SC 6.2	(i) Interest Subsidy to Backward Classes ..	145.00	40.00	—	—	—	Scheme dropped	
	(ii) Capital Subsidy to Backward Classes ..	—	20.00	28.22	60.00	60.00	—	—
SC 6.3	Advance Vocational Training for Self employment to B.C. in collaboration with I.T.I. at Patiala ..	—	—	—	—	—	—	—
SC 6.4	Employment Oriented Career Agents in collaboration with LIC ..	—	—	—	—	—	2.20	—
SC 6.5	Training in Secretariat Practices, Stenography and Improvement of Languages to un-employed B.C. youths ..	—	—	—	—	—	9.40	—
	Total ..	245.00	100.00	38.22	70.00	70.00	91.60	80.00
	Grand Total ..	3,500.00	1513.55	647.17	700.00	660.85	257.60	233.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expendr.	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expendr.	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
226 2230 00	LABOUR AND EMPLOYMENT							
	01 (A) Labour							
	101 Industrial Relations :							
001 LW 1.1	Strengthening of enforcement of machinery Minimum Wages Act, 1948 ..	5.00	—	—	1.50	—	Scheme Dropped	
001 LW 1.2	Creation of women cell ..	5.00	—	—	1.20	—	3.98	—
	Total ..	10.00	—	—	2.70	—	3.98	—
	2 Working conditions and safety :							
001 LW 1.3	Strengthening of Factory Inspectorate ..	8.00	0.40	2.52	4.40	4.40	17.02	—
800 LW 1.4	Scheme for increasing the strength of medical Inspectors of Factories in the State ..	4.50	0.25	0.06	0.30	1.00	—	—
800 LW 1.5	Setting up of Industrial Hygienic Laboratory ..	1.00	—	0.80	1.00	0.19	—	—
	Total ..	18.50	0.65	3.38	5.70	5.59	17.02	—
	Total : Labour & Labour Welfare ..	23.50	0.65	3.38	8.40	5.59	21.00	—
	03 (B) Training :							
	03 Industrial Training Institutes :							
800 ITI 2.1	Substitution of unpopular grade with popular ones and introduction of new trades in ITIs and addition to and replacement of tools & equipment ..	70.00	94.34	8.31	9.00	11.44	—	—
003 ITI 2.2	Training Retraining, Seminars Study Tours of Staff/trainees for men and women ..	5.00	1.59	0.80	1.00	1.00	—	—
101 ITI 2.3	(i) Completion of ITIs buildings and construction of buildings for remaining ITIs ..	50.00	55.71	3.30	5.00	10.73	—	—
	(ii) Construction of advanced ITIs for Scheduled Castes ..	—	—	—	1.00	—	—	—
101 ITI 2.4	Modernisation of ITIs under UNDP/ILO ..	10.00	3.48	3.30	4.00	5.45	—	—
101 ITI 2.5	Establishment of Advanced Training Institute in Farm Machinery and Power in the State ..	20.00	0.22	—	Scheme dropped		—	—
101 ITI 2.6	Expansion of ITIs located in the Rural areas ..	20.00	1.20	0.66	12.00	7.72	—	—
101 ITI 2.7	Opening of New ITIs in Rural/Unrepresented Minorities concentrated areas ..	25.00	29.21	11.17	10.00	12.72	—	—
101 ITI 2.8	Providing independent Feeder/Diesel operating sets in ITIs ..	25.00	12.61	5.00	5.00	—	—	—
101 ITI 2.9	Strengthening of Examination Cell and creation of Record Room at the Headquarters ..	4.00	—	0.98	1.50	0.20	2.00	—
	World Bank Aided Project							
101 ITI .10	(i) Upgradation of State Govt. ITIs for improving the quality of training by replacement of machinery (50 : 50) ..	—	60.00	80.94	126.68	104.96	117.00	—
	(ii) Establishment of Project management at state level (50:50) ..	—	—	—	2.82	2.82	3.00	—
	(iii) Introduction of new trades in existing Women ITIs (50:50) ..	—	—	—	8.50	8.50	17.00	5.00

ANNUAL PLAN 1990:91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
	(iv) Setting up of Related Instruction Centre (50:50)	—	—	—	—	—	4.85	1.50
	(v) Introduction of A. V. T. S. (50:50)	—	—	—	—	—	16.25	4.00
	(vi) Setting up of Basic Training Centre (50:50)	—	—	—	—	—	2.50	—
	(vii) Expansion of ITIs. by introducing addl. Seats (50:50)	—	—	—	—	—	45.90	7.50
	(viii) Provision of A. V. Aids (50:50)	—	—	—	—	—	12.00	—
	(ix) Estt. of Equipment Maintenance System (50:50)	—	—	—	—	—	8.35	—
	(x) Introduction of Post Skill Development Courses (50:50)	—	—	—	—	—	3.15	—
	(xi) Setting up of 5 new ITI for Girls (50:50 World Bank Project)	—	—	—	—	—	—	—
								(At Distt. level) (Scheme with Rs. 50.00 lacs out of which capital Rs. 25.00 lacs)
101	ITI 2.11 Upgradation of Four SC ITI at Mansa, Mukatsar, Faridkot and Fatehgarh Churian	—	—	—	—	—	—	—
101	ITI 2.12 Purchase of land and construction of building for Art and Craft Centre, Amritsar	—	—	—	—	—	—	—
101	ITI 2.13 Modernisation of work Centre Rajpura	—	—	—	—	—	—	—
101	ITI 2.14 Enhancement of stipend for ITI students from Rs. 25 to Rs. 75 P.M.	—	—	—	—	—	—	—
101	ITI 2.15 Enhancement of Rate of Raw material for Trainees from Rs. 25 to Rs. 75 P.M.	—	—	—	—	—	—	—
	Total	229.00	258.36	114.46	186.50	165.54	232.00	18.00
03	(C) Women Training :							
101	ITI 3.1 Completion of existing buildings and construction of new buildings for Govt. Industrial Schools for Girls/ Government Industrial Teachers Training Institute for Women	65.00	48.02	—	11.00	12.55	—	—
003	ITI 3.2 Study tour for training retaining, Educational Study Tours, Seminars and Conferences. Sports and T.A. to trainees and Medical and Periodicals	3.50	1.05	0.22	0.25	0.25	Merged with scheme ITI 2.2	—
101	ITI 3.3 Modernisation and replacement of machinery and equipment in Girls Schools	12.00	9.03	3.75	2.27	2.27	—	—
101	ITI 3.4 To provide deficient staff according to norms in the existing Government Industrial Schools for Girls	5.00	0.36	1.58	2.00	2.45	—	—
101	ITI 3.5 Opening of new Industrial Schools for Girls and introduction of additional seats in the existing schools	5.00	1.57	1.20	0.70	2.45	—	—
001	ITI 3.6 Strengthening of Inspectorate Cell for Women Training	2.00	—	1.30	1.00	1.00	1.00	—
	Total	92.50	60.03	8.05	17.22	20.97	1.00	—
	Total (B+C)	321.50	318.39	134.99	88.00	186.51	233.00	18.00
02	(D) Employment :							
101	ES 4.1 Expansion of Employment Services in urban areas	5.00	1.38	1.20	5.00	3.30	—	—
101	ES 4.2 Setting up of Rural Man-Power Units	—	—	—	—	—	—	—
101-ES-4.3	Setting up of Accounts Section at Head Office	—	—	—	—	—	1.00	—
	Total	5.00	1.38	1.20	5.00	3.30	1.00	—
	Total Labour and Labour Welfare (A)+(B)+(C)+(D)	350.00	320.42	127.09	217.12	195.40	255.00	18.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE

HEAD : SOCIAL SECURITY AND WELFARE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91		
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	
	227 2235 00—SOCIAL SECURITY AND WELFARE								
02	SOCIAL WELFARE :								
001	Direction and Administration—								
SW 1.1	Research Training Amd., Conference/ Workshop	..	5.50	—	—	—	—	5.00	—
	Total	..	5.50	—	—	—	—	5.00	—
101	Welfare of Handicapped								
SW 2.1	Scholarships to Handicapped	..	0.50	0.06	0.02	0.10	0.02	—	—
SW 2.2	Supply of Prosthetic aid to the Handicapped	..	1.00	0.17	0.02	0.15	0.02	—	—
SW 2.3	Financial Assistance to Disabled Persons	..	70.00	76.55	29.00	29.00	29.00	—	—
SW 2.4	Aid for the Rehabilitation of Disabled Persons	..	35.00	4.71	8.78	(6.60)	(6.00)	(0.40)	(—)
	(i) Braille Press/Library	..	—	—	—	2.00	2.00	—	—
	(ii) Construction of Insitution Complex at Ludhiana	..	—	—	—	4.00	4.00	—	—
	(iii) Marriage Grants for visually Handicapped girls and boys	..	—	—	—	0.40	—	—	—
	(iv) State Awards for Handicapped sportsmen	..	—	—	—	0.20	—	0.40	—
	Total	..	106.30	79.49	37.82	35.85	35.04	0.40	—
102	Child Welfare								
SW 3.1	(i) Financial Assistance to Dependent Children	..	60.00	38.51	24.00	25.10	27.18	—	—
	(ii) Setting up of Bal Gram for orphans and Destitute children	..	—	—	—	—	—	—	—
SW 3.2	Construction of Certified School, Hoshiarpur	..	50.00	45.78	14.79	10.00	10.00	—	—
SW 3.3	Services for children in need of care and protection (45 : 45 State Share)	..	3.00	1.00	—	0.60	0.33	—	—
SW 3.4	Enforcement of Juvenile Justice Act, 1986	..	—	—	6.89	10.00	10.00	25.00	15.00
SW 3.5	Assisted Home work scheme for children of Economically weaker Section women PUNWAC	..	—	—	—	—	—	—	—
SW 3.6	Day care centre for children of working women PUNWAC	..	—	—	—	—	—	—	—
	Total	..	113.00	85.29	45.68	45.70	47.51	25.00	15.00
103	Women's Welfare								
SW 4.1	Financial Assistance to Widows & Destitute Women	..	145.00	101.94	42.00	42.00	42.00	—	—
SW 4.2	Home for Widows and Destitute Women	..	3.00	4.76	0.59	1.45	1.45	—	—
SW 4.3	(a) Share Capital Contribution to the PUNWAC	..	125.00	72.00	33.00	13.00	13.00	40.00	40.00
SW 4.4	(a) Interest Subsidy to the PUNWAC to meet the already incurred liability	..	25.00	18.00	—	—	—	—	Scheme dropped
	(b) Capital Subsidy to PUNWAC for loans to economically weaker women	..	—	3.00	18.00	14.00	14.00	—Do—	—
	Total	..	298.00	146.74	93.59	70.45	70.45	40.00	40.00

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SOCIAL SECURITY AND WELFARE

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
104	Welfare of aged Infirms Destitue							
SW 5.1	Old Age Pension	..	—	74.00	74.00	74.00	—	—
	Total	..	—	74.00	74.00	74.00	—	—
106	Correctional Services							
SW 6.1	Financial Assistance to Riot affected women— PUNWAC	..	—	30.00	—	—	—	—
SW 6.2	Conversion of training centres for Riot affected widow/women into production centre— PUNWAC	..	—	11.40	—	—	—	—
	Total	..	—	41.40	—	—	—	—
107	Assistance to Voluntry Welfare Orgainsations							
SW 7.1	Grant-in-aid to Voluntary Welfare Org.	..	10.00	5.79	2.00	2.00	2.00	—
SW 7.2	Grant-in-aid to Voluntary Wlefare Org. for drug addiction	..	—	—	—	—	—	—
	Total	..	10.00	5.79	2.00	2.00	2.00	—
190	Assistance to Public Sectors other undertakings							
SW 8.1	Grant-in-aid to P.G.I.	..	10.00	6.00	2.00	2.00	2.00	—
	Total	..	10.00	6.00	2.00	2.00	2.00	—
200	Other Programme							
SW 9.1	(i) Drug Addiction	..	5.00	—	—	—	Scheme is to be funded under Medical and Public Health	
	Total	..	5.00	—	—	—	—	—
	Grand Total	..	548.00	376.77	255.09	230.00	231.00	70.40

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : NUTRITION

(Rs. in lakhs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- diture	1989-90		1990-91	
					Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
227 2236 00 NUTRITION								
01 Production of Nutritious Food and Beverages								
101 Production of Nutritious Food								
N 101	Construction of Plant for Ready to Eat Nutritious Food	..	—	—	—	1.00	—	Dropped
	Total	..	—	—	—	1.00	—	
102 Fortification of foods								
N 201	Nutritious Diet	..	1650.00	694.89	275.40	274.00	274.00	—
	Total		1650.00	694.89	275.40	274.00	274.00	—
	Grand Total	..	1650.00	694.89	275.40	274.00	274.00	—

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : OTHER SOCIAL SERVICES

(Rs. in lacs)

Code No.	Name of the Scheme/Project	Seventh Plan (1985-90) Approved Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of Which Capital Content
1	2	3	4	5	6	7	8	9
228 225260	1. Defence Service Welfare							
800 OSW 1.1	Share Capital Contribution to the Ex-Servicemen Corporation	.. 102.00	19.40	13.70	20.00	15.00	24.00	24.00
800 OSW 1.2	Capital Subsidy to Ex-Servicemen under Bank tie-up loans	.. —	19.24	18.52	16.00	14.25	20.00	—
800 OSW 1.3	Interest subsidy to the Ex-Servicemen for interest free loans	.. 50.00	2.55	—	—	—	—	—
800 OSW 1.4	Preparation of Ex-Servicemen for Self-employment (State Share)	.. —	6.86	2.53	7.00	7.00	—	—
	Total	.. 152.00	48.05	34.75	43.00	36.25	44.00	24.00
	2. Welfare of Affected Youths and Discharged Arms Personnel							
800 OSW 2.1	Employment programme for youth affected by recent events & discharged army Personnel :							
	(i) Defence Service Welfare	.. —	41.61	4.58	9.00	10.75	9.00	—
	(ii) FUNWAC	.. —	20.99	—	—	—	—	—
	Total	.. —	62.60	6.80	9.00	10.75	9.00	—
	Grand Total	.. 152.00	110.65**	39.33*	52.00	47.00	53.00	24.00

*Rs. 2.22 lacs depicted in Industry

**Rs. 17.48 lacs depicted in Industry

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : GENERAL SERVICES

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expen- diture	1988-89 Actual Expendi- ture	1989-90		Annual Plan 1990-91	
					Approved Outlay	Antici- pated Expen- diture	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9
3.42 205800	PRINTING AND STATIONERY							
001	1. Direction and Administration							
PT 1.1	Strengthening of Stationery Publication Form Section-Creation of Inspection Cell	4.00	—	—	—	—	1.70	—
103	2. Government Presses							
PT 2.1	Machinery and Equipment for Ticket Printing Press, Patiala	50.00	—	—	—	—	76.00	—
PT 2.2	Machinery & Equipment for Govt., Press S.A.S. Nagar	46.45	7.76	1.14	37.00	20.00	35.00	—
PT 2.3	Staff (Additional Staff) & Material required to run the Govt. Press, S.A.S. Nagar	190.95	165.46	53.26	68.00	69.67	80.00	—
800	3. Other Expenditure							
PT 3.1	Construction of Boundary Wall around the Press building in low lying area at S.A.S. Nagar/by adding a similar block to the existing building	7.40	6.12	1.40	4.61	2.35	20.00	20.00
PT 3.1 (a)	Construction of Building and other important works at Patiala	—	—	—	—	—	8.15	8.15
PT 3.2	Apprenticeship Scheme for Typewriter Mechanics	0.60	0.11	0.04	0.24	0.04	0.12	—
PT 3.3	Instructor for Imparting Training to Typewriter Apprentices	0.60	—	—	—	—	0.15	—
PT 3.4	Mechanic for Plain Paper Copier Electric Typewriting and Duplicating Machine	—	—	—	—	—	3.00	—
	Total	300.00	179.45	55.84	109.85	92.06	224.12	28.15

ANNUAL PLAN 1990-91
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : PUBLIC WORKS

(Rs. in lakhs)

Code No.	Name of Scheme/Project	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Annual Plan 1990-91	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9
342 2056 00	JAILS :							
	PW 3-5 Jails ..	500.00	167.78	66.30	570.00	500.00	340.00	340.00
205900	PUBLIC WORKS :							
052 PW 3-1	(a) Divisional Offices & Tehsil Buildings	600.00	455.43	248.64	292.00	264.00	525.00	525.00
052	(b) Construction of Sales Tax Check Barrier at Shamboo ..	—	22.35	36.88	23.00	23.00	—	—
	(c) Micro Filming of Revenue Record ..	—	—	—	—	26.50	—	—
052	(d) Construction of 5 liquor Vends & Ahatas in Rural Areas of the State ..	—	—	—	—	—	5.00	5.00
052	(e) Construction of additional Complex for Excise & Taxation Commissioner's Office at Patiala	—	—	—	—	—	12.00	12.00
052	(f) Construction of Building Complex for the Sales Tax Check Barriers ..	—	—	—	—	—	40.00	40.00
052 PW 3-2	Courts ..	70.00	47.23	29.00	30.00	28.00	40.00	40.00
052 PW 3-3	Patwarkhanas ..	34.00	23.00	5.00	10.00	10.00	—	—
800 PW 3-4	Police Stations ..	300.00	188.66	75.13	—	—	—	—
101 PW 3-6	(i) Circuit Houses/Rest Houses ..	50.00	92.34	12.64	30.00	57.00	87.00	87.00
	(ii) Extension in Pb. Bhawan at Delhi ..	200.00	88.47	45.81	60.00	202.50	—	—
101 PW 3-7	Mini Secretariat Building at Chandigarh ..	246.00	18.54	49.24	10.00	32.50	75.00	75.00
	Total ..	1500.00	936.02	502.34	455.00	643.00	784.00	784.00

DRAFT ANNUAL PLAN 1990-91

STATEMENT II: SCHEMES

OUTLAY AND EXPENDITURE

HEAD: : GENERAL SERVICES

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Exptr.	1988-89 Actual Exptr.	1989-90		Annual Plan 1990-91		
					Approved Outlay	Anticipated Exptr.	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	
3422070	OTHER ADMINISTRATIVE INSTITUTE :								
033	Administrative Training Institute :								
003.1	Establishment of Administrative Training Institute	..	125.00	87.00	45.00	72.00	64.91	150.00	150.00
003.2	Assistance to State Trg. Institute in Disst. Planning	..	—	—	—	—	—	4.00	—
	Total	..	125.00	87.00	45.00	72.00	64.91	154.00	150.00

ANNUAL PLAN 1990-91

STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENT

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement (P)	1989-90		Annual Plan 1990-91 Target	
						Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	
I Agriculture & Allied Services ;									
1. Production of Foodgrains :									
(i) Rice :									
	Irrigated	.. 000' tonnes	{	5500	5442	4942	6000	6697	6200
	Unirrigated	.. " "							
	Total	.. " "		5500	5442	4942	6000	6697	6200
(ii) Wheat :									
	Irrigated	.. " "	{	10500	11084	11576	11300	11625	11500
	Unirrigated	.. " "							
	Total	.. " "		10500	11084	11576	11300	11625	11500
(iii) Jowar :									
	Irrigated	.. " "	{	—	1	3	—	1	—
	Unirrigated	.. " "							
	Total	.. " "		—	1	3	—	1	—
(iv) Bajra :									
	Irrigated	.. " "	{	60	13	15	30	10	20
	Unirrigated	.. " "							
	Total	.. " "		60	13	15	30	10	20
(v) Maize :									
	Irrigated	.. " "	{	740	365	292	600	399	500
	Unirrigated	.. " "							
	Total	.. " "		740	365	292	600	399	500
(vi) Other cereals : (Barley)									
	Irrigated	.. " "	{	100	89	121	110	110	110
	Unirrigated	.. " "							
	Total	.. " "		100	89	121	110	110	110
(vii) Pulses :									
	Irrigated	.. " "	{	200	98	127	200	119	200
	Unirrigated	.. " "							
	Total	.. " "		200	98	127	200	119	200
(viii) Total Foodgrains :									
	Irrigated	.. " "	{	17100	17092	17076	18240	18961	18530
	Unirrigated	.. " "							
	Total	.. " "		17100	17092	17076	18240	18961	18530

ANNUAL PLAN 1990-91
STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENT

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement (P)	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
2. Commercial Crops :								
(i) Oilseeds :								
(a) Major Oilseeds								
	Groundnut	.. 000* tonnes	70	23	19	30	18	20
	Caster seed	.. " "	—	—	—	—	—	—
	Sesamum	.. " "	5	4	6	5	5	5
	Rapeseed and Mustard	.. " "	124	181	122	225	200	225
	Linseed	.. " "	1	1	1	1	1	1
	Total (a)	.. " "	200	209	148	261	224	251
(b) Other Oilseeds :								
	Soyabean	.. " "	—	—	—	—	—	—
	Sun flower	.. " "	—	—	—	50	—	50
	Safflower	.. " "	—	—	—	—	—	—
	Niger Seed	.. " "	—	—	—	—	—	—
	Total (b)	.. " "	—	—	—	50	—	50
	Total all Oilseeds (a + b)	.. " "	200	209	148	311	224	301
	(ii) Sugarcane (Cane)	.. " "	7500	5820	6060	7000	6640	7000
	(iii) Cotton	.. 000* bales	1400	1859	2118	2000	2341	2100
	(iv) Jute & Mesta	.. 000* tonnes	—	—	—	—	—	—
Production under :								
3. Major Horticulture Crops :								
	(i) Apple	.. 000* tonnes	—	—	—	—	—	—
	(ii) Banana	.. " "	—	—	—	—	—	—
	(iii) Oranges (Citrus)	.. " "	100	46	150	160	160	180
	(iv) Mango	.. " "	50	62	60	65	65	65
	(v) Grapes	.. " "	10	20	20	25	25	25
	(vi) Other (Specify) (Guava, Ber, Litchi, Peach, Pear)	.. " "	240	394	280	290	290	300
	Total	.. " "	400	522	510	540	540	570
4. Improved Seeds:								
(i) Production of Seeds:								
	(a) Cereals	.. 000 'tonnes	60.335	11.212	3.567	13.200	8.000	13.850
	(b) Pulses	.. " "	—	0.237	0.053	0.470	0.143	0.580
	(c) Oilseeds	.. " "	—	0.035	0.194	0.600	0.200	0.600
	(d) Cotton	.. 000' "	7.800	0.571	0.614	1.000	0.667	0.620
	(e) Jute and Mesta	.. 000' "	—	—	—	—	—	—
	Total (i)	.. " "	68.135	12.055	4.428	15.270	9.010	15.650

ANNUAL PLAN 1990-91
STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENT

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
(ii) Distribution of Seeds:								
	(a) Cereals	.. 000 'tonnes	14.370	8.913	5.719	10.410	6.764	15.200
	(b) Pulses	.. " "	1.545	0.246	0.150	1.180	0.162	0.625
	(c) Oilseeds	.. " "	0.550	0.113	0.133	0.400	0.306	0.300
	(d) Cotton	.. 000 "	1.400	0.323	0.524	1.800	0.614	0.620
	(e) Jute & Mesta	.. 000 'tonnes	—	—	—	—	—	—
	Total (ii)	..	17.865	9.595	6.526	13.790	7.846	16.745
5 Chemical Fertilizers:								
	(i) Nitrogenous (N)	.. 000' tonnes	1000	791	796	1000	818	845
	(ii) Phosphatic (P)	.. " "	430	297	301	430	315	335
	(iii) Potassic (K)	.. " "	35	24	20	30	12	20
	Total (NPK)	..	1465	1112	1117	1460	1145	1200
6 Plant Protection								
	(i) Pesticides Consumption (Technical grade material)	.. " "	8.00	4.86	5.77	6.00	6.00	6.56
	(ii) Area Coverage	.. 000' hec.	10200	9800	12560	12000	13000	15000
7 Area under:								
	(i) Fertilizers	.. " "	}	The whole area is covered under fertilizer and pesticides				
	(ii) Pesticides	.. " "						
8 High Yielding Varieties:								
	(i) Rice-Total area cropped	.. 000' hec.	1600	1720	1783	1700	1908	1700
	Area under HYV	.. " "	1540	1527	1677	1520	1809	1600
	(ii) Wheat-Total area cropped	.. " "	3100	3131	3156	3100	3174	3100
	Area under HYV	.. " "	3075	3116	3152	3100	3100	3100
	(iii) Jowar-Total area cropped	.. " "	—	—	—	—	1	—
	Area under HYV	.. " "	—	—	—	—	—	—
	(iv) Bajra-Total Area cropped	.. " "	45	13	18	20	11	20
	Area under HYV	.. " "	30	7	11	10	11	11
	(v) Maize-Total Area cropped	.. " "	300	233	248	220	210	250
	Area under HYV	.. " "	130	110	142	110	146	160
	Total area under the above five cereals (Both HYV and non HYV)	.. " "	5045	5097	5205	5040	5304	5070
	Total area under the HYV above five cereals	.. " "	4775	4760	4982	4740	5066	4871

ANNUAL PLAN 1990-91
STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial- No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achieve- ment	1988-89 Achiev- ment (P)	1989-90		Annual Plan 1990-91 Target
						Target	Antici- pated Achieve- ment	
1	2	3	4	5	6	7	8	9
9 Dry Land/Rainfed Farming.								
(i) Development of Selected Micro Water- sheds (Cumulative)								
	(a) No. of watersheds taken up	.. No.	26	26	28	30	30	32
	(b) Area covered under Watersheds	.. 000' Ha.	20	26	28	30	30	32
	(c) Area under land development	.. 000' Ha.	400	3.36	2.77	2.0	2.4	2.0
	(d) Construction of water harvesting/ Storage Structure	.. No.	20	—	—	—	—	—
	(ii) Area covered outside the selected water- sheds by dry farming practices	.. 000' Ha.	400	335	337	300	311	300
	(iii) Adoption of dry farming practices in and outside the selected watersheds:—							
	(a) Distribution of seed fertilizer drills	.. No.	20	24	26	30	34	30
	(b) Distribution of other improved im- plements	.. "	200	241	283	320	382	400
	(c) Distribution of chemical fertilizers	.. 000' tonnes	40.0	—	—	—	—	—
	(d) Distribution of improved/drought resistant seeds	.. " "	100.00	—	1.27	1.10	1.12	1.10
	(e) Seedlings planted under Afforestation	.. Lakh No.	—	—	—	—	—	—
	(f) Area covered under Social Forestry	.. 000' ha.	—	—	—	—	—	—
	(g) Other measures (Specify) " "	—	—	—	—	—	—
10 Land Stock Improvement:								
	(i) Reclamation of Alkaline Areas	.. " "	267	67.73	26.6	36.0	29.1	25.6
	(ii) Reclamation of Saline Areas	..	—	—	—	—	—	—
	(iii) Development of Culturable Waste land and old fallow land for productive uses	.. 000' Ha.	—	—	—	—	—	—
	(iv) Development of Flood Prone/Coastal Saline Area	.. " "	—	—	—	—	—	—
11 Soil Conservation Area coverage:								
	(i) Agricultural land	.. 000' Ha. (cum)	93.50	42.21	57.85	77.75	77.75	102.95
	(ii) Forest land	.. " " "	—	—	—	10.00	10.00	14.70
	(iii) Other (Specify)	.. " " "	—	—	—	—	—	—
12 Cropped Area (Cumulative)								
	(i) Net	.. " "	4200	4157	4200	4200	4200	4250
	(ii) Gross	.. " "	7250	7170	7250	7350	7350	7300

ANNUAL PLAN 1990-91
STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
13 Agricultural Marketing:								
	(i) Total No. of Markets at Mandi level	No. (Cum.)	—	—	—	—	—	—
	(ii) Regulated Market	.. " "	130	143	—	—	—	—
	(iii) Sub-Market	.. " "	—	—	—	—	—	—
	(iv) Sub-market yards developed	.. " "	511	523	—	—	—	—
14 Storage:								
Owned capacity with—								
	(i) State Warehousing Corpn	.. '000' (Cum) tonnes	1210	1062	1351	1351	14.15	14.15
	(ii) Co-operatives	.. " "	2426	2334	2334	2334	2334	2342
	(iii) State Government	.. " "	—	—	—	—	—	—
15 Animal Husbandry and Dairy products:								
	(i) Milk	. '000 Tonnes	4900	4312	4569	4900	4900	5170
	(ii) Eggs	. Million	1460	1328	1452	1460	1460	1700
	(iii) Wool	. Lakh kgs.	15.00	13.50	14.50	15.00	15.00	15.20
16 Animal Husbandry Programme:								
	(i) I.C.D. project	. Nos. (Cum)	5	5	5	5	5	5
	(ii) No. of Frozen Semen (Bull) Stations	"	4	4	4	4	4	4
	(iii) No. of insemination performed with exotic bull semen	.. Lac. No.	8.00	20.31	7.30	8.00	8.00	9.00
	(iv) No. of cross-bred animal (females)	.. "	6.60	5.35	5.85	6.60	6.60	7.25
	(v) Estt. of Sheep Breeding Farms	.. Nos. (Cum)	3	2	2	2	2	2
	(vi) Sheep and Wool Extension Centres	.. "	38	38	38	38	38	38
	(vii) Intensive Sheep Dev. Project	.. "	—	—	—	—	—	—
	(viii) Intensive Eggs & Poultry Production-cum-Marketing Centres	"	3	3	3	3	3	3
	(ix) Estt. of Fodder Seed Production Farms	"	2	2	2	2	2	2
	(x) Veterinary Hospitals	.. "	864	811	846	881	881	891
	(xi) Veterinary Dispensaries including stockmen centres	.. "	1020	1058	1033	1008	1008	1008
17 Dairy Programmes:								
	(i) Fluid Milk Plants (including composite and feeder/balancing milk plants) in operation	.. "	12	9	9	10	10	10
	(ii) Milk products factories including creameries in operation	.. "	7	9	9	9	9	9
	(iii) Dairy Coop Unions	.. "	11	11	11	11	11	11

ANNUAL PLAN 1990-91
STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh/ Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated achievement	
1	2	3	4	5	6	7	8	9
18 Fisheries:								
	(i) Fish production	.. 000 tonnes						
	(a) Inland	.. "	6.50	5.60	7.20	7.00	8.50	9.50
	(b) Marine	.. "	—	—	—	—	—	—
	Total	..	6.50	5.60	7.20	7.00	7.00	9.50
	(ii) Mechanised Boats:							
	(iii) Deep sea fishing vessels	.. Numbers	—	—	—	—	—	—
	(iv) Fish Seed production—							
	(a) Fry	.. Million	—	—	—	—	—	—
	(b) Fingerlings	.. Million	20.00	11.00	16.20	20.00	21.00	25.00
	(v) Fish Seed Farms	.. Number (Progressive)	11	8	9	10	11	12
	(b) Nursery area	.. Hectare	30	25	30	30	30	30
	(vi) No. of Hatcheries	.. Number	2	—	1	2	2	2
19 Forests :								
	(i) Plantation of quick growing Species	.. 000 Hectare	—	—	—	—	—	—
	(ii) Economic and Commercial plantation	.. "	—	—	—	—	—	—
	(iii) Social Forestry	.. "	102.74	58.65	16.43	16.57	16.57	9.95
	(iv) Afforestation—							
	(a) Trees planted	.. 000' Nos.	241300.00	166085.00	57460.00	44500.00	44500.00	28500.00
	(b) Trees survived	.. "	..	..	..	..	..	..
	(v) Communications—							
	(a) New Roads	.. Kms.	—	—	—	—	—	—
	(b) Improvement of existing roads	.. "	—	—	—	—	—	—
	(vi) Production of some selected forest products—							
	(a) Timber	.. 000' Cum.	450	163	46	70	70	60
	(b) Fuel wood	.. "	150	24	4	10	10	10
	(c) Bamboo—							
	Commerical	.. 000 National Tonnes	—	—	—	—	—	—
	Industrial	.. "	5.00	0.84	—	1.00	1.00	1.00

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STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target	
						Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	
	(d) Minor Forest produce tendu leaves ..	000 quintals	—	—	—	—	—	—	
	Sal Seed ..	..	—	—	—	—	—	—
	Others—								
	Kulu Gums ..	..	—	—	—	—	—	—
	Other Gums ..	..	—	—	—	—	—	—
	Bajra ..	..	—	—	—	—	—	—
	II. Rural Development :								
20	I.R.D.P.—								
	(i) Beneficiaries Identified ..	Numbers	744000	—	—	—	—	—	
	(ii) Beneficiaries assisted ..	..	181200	238914	61139	18344	49727	—
	(iii) Scheduled Castes/Scheduled Tribes Beneficiaries ..	..	90600	124470	32878	9172	24863	—
	(iv) Beneficiaries Assisted under Industries Services and Business (ISB) ..	..	126840	144018	41197	12841	34811	—
	(v) Youths trained/being trained under TRYSEM ..	..	23600	24820	7364	4000	6854	—
	(vi) Youths under self-employment ..	..	28600	17409	6716	4000	6854	—
	(vii) Scheme for strengthening of Administration—								
	(a) No. of Posts Sanctioned ..	..	259	—	—	—	—	—
	(b) No. of those filled ..	..	—	—	—	—	—	—
	(viii) Development of Women and Children in Rural Areas (DWCRA)—								
	No. of Groups Organised/Strengthened ..	..	2000	754	203	200	200	—
21	N.R.E.P./I.R.Y.—								
	(i) Employment generated ..	Lakh Mandays	76.35	64.99	22.88	28.88	28.88	—	
	(ii) Details of Physical assets created—								
	(a) Pavement of Streets ..	Lakh Sq. Mts.	78.20	38.99	11.59	—	—	—	
	(b) Construction of Drains ..	Kms.	4300	2151	813	—	—	—	
	(c) Area planted ..	Hectare	12640	7948	2921	—	—	—	
24	Land Reforms—								
	(i) Ceiling of Surplus land—								
	(a) Area declared surplus ..	Acre(Cum.)	3,01,103	—	—	—	—	—	
	(b) Area taken possession	1,03,397	—	—	—	—	—	
	(c) Area allotted	1,00,037	—	—	—	—	—	

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STATEMENT III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
	(d) Area covered by litigation in revenue courts and in civil courts	Acre (Cum.)	36189	—	—	—	—	—
	(e) Beneficiaries	.. Numbers	25767	—	—	—	—	—
	(ii) Consolidation of holding—Area Consolidated	.. Hec (Cum.)	—	—	—	—	—	—
III. Cooperation								
	(i) Short term loans	.. Rs. crore	600.00	313.39	361.51	500.00	500.00	550.00
	(ii) Medium term loans	.. ..	10.00	0.81	1.05	2.00	2.00	1.00
	(iii) Long term loans	.. ..	350.00	159.64	67.90	80.00	80.00	120.00
	(iv) Retail sale of fertilisers	.. ..	300.00	113.84	154.00	260.00	260.00	270.00
	(v) Agricultural produce marketed	.. ..	450.00	133.33	375.00	400.00	400.00	500.00
	(vi) Retail sale of consumer goods by Urban Consumer Cooperatives	.. ..	5.00	2.36	4.92	4.50	4.50	4.50
	(vii) Retail sale of consumer goods through Cooperatives in rural areas	.. ..	50.00	46.00	28.80	40.00	40.00	40.00
	(viii) Cooperative Storage	.. Lakh Tonnes	24.26	23.34	23.34	23.34	23.34	23.42
	(ix) Processing Units—							
	(a) Organised	.. No. (Cum.)	97	77	85	87	87	87
	(b) Installed	.. ..	91	66	68	70	70	70
IRRIGATION AND FLOOD CONTROL :								
Minor Irrigation:								
	(i) Ground Water—							
	(a) Potential	.. 000 Hect.	9.750	6.525	2.250	3.750	3.750	3.075
	(b) Utilisation	.. ..	9.750	6.525	0.350	3.750	3.750	3.075
	(ii) Surface—							
	(a) Potential	.. ..	40.20	53.56	13.616	12.600	12.600	3.417
	(b) Utilisation	.. ..	40.20	52.287	13.726	12.600	12.600	2.550
Major and Medium Irrigation :								
	(i) Potential	.. ..	191.60	55.49	21.364	91.770	91.620	40.210
	(ii) Utilisation	.. ..	192.60	38.842	18.144	17.940	17.940	19.210
Flood Control :								
	Area provided with protection	.. ..	20.000	10.443	26.15	17.00	17.00	10.00
Command Area Development Programme :								
	(i) Area covered by Filed Channels	—	—	—	—	—	—
	(ii) Area covered by land leveling	—	—	—	—	—	—

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STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Achievement (1985-88)	1988-89 Achievement	1989-90		Annual plan	
						Target	Anticipated Achievement	1990-91 Target	
1	2	3	4	5	6	7	8	9	
V Power									
	(i) Installed capacity	.. M W (Cum)	3093	2661	3033.8	3060	3050.10	3091.10	
	(ii) Electricity Generated	.. M U	53000	32086.02	12581.65	13225	12750	13984	
	(iii) Electricity sold	.. M U	43400	26125.02	10293.46	13225	12642	14180	
	(iv) Transmission Lines (220KV & above)	Kms.	506	152	320	233	229	256	
	(v) Rural Electrification :								
	(a) Villages Electrified	.. Nos. (Cum)	All the 12126 inhabited villages have been electrified as on 10th May, 1976						
	(b) Pumpsets energised by electricity during the year	.. Nos.	100000	107422	21904	20000	20000	20000	
II. INDUSTRY AND MINERALS									
29 Village and Small Industries									
(i) Small Scale Industries—									
	(a) Units functioning	.. No. 000 (cum)	161.9	135.3	148.4	161.9	161.09	175.9	
	(b) Production	.. Rs. in lakhs	2,12600	1,50569	1,52000	2,12600	1,60000	1,70000	
	(c) Persons Employed	.. No. 000	880	546	586	880	636	690	
(ii) Industrial Estate & Areas—									
	(a) Estates/Area functioning	.. Nos. (cum)	18	1	—	—	—	6	
	(b) No. of Units	.. Nos 000'	800	353	—	800	447	0.2	
	(c) Production	.. Rs. in lakhs	—	—	—	—	—	—	
	(d) Employment	.. No. 000 (cum)	24.00	23.70	—	24.00	24.00	4.00	
(iii) Handloom Industry—									
	(a) Production	.. M. MTs.	50	46.5	48.00	50	49.00	10.00	
	(b) Employment	.. No. 000 (cum)	33	31	—	33	0.08	100.00	
(iv) Powerloom Industry—									
	(a) Production	.. M. MTS	275	255	275	275	—	—	
	(b) Employment	.. No. 000 (cum)	65	63	65	65	—	—	
(v) Sericulture—									
	(a) Production of raw silk	.. 000 Kgs.	6.00	5.00	5.00	6.00	5.00	9.00	
	(b) Employment	.. No. 000 (cum)	1.3	1.2	—	1.3	1.3	72	
(vi) Coir Industry—									
	(a) Production of Yarn	.. 000 tonnes	—	—	—	—	—	—	
	(b) Production of other items	.. —do—	—	—	—	—	—	—	
	(c) Employment	.. No. 000 (cum)	—	—	—	—	—	—	

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STATEMENT : III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
	(vii) Handicrafts—							
	(a) Production	.. Rs. lacs	—	—	—	—	—	—
	(b) Employment	.. No. 000 (cum)	—	—	—	—	—	—
	(viii) Khadi and Village Industries—							
	(a) Within the purview of KVIC—							
	(i) Production	.. Rs. in lakhs	3,989	4,500	—	4,700	4,700	1000
	(ii) Employment	.. No. 000 (cum)	61	52	31	70	70	175
	(b) Outside the purview of KVIC—							
	(i) Production	..	—	—	—	—	—	—
	(ii) Employment	..	—	—	—	—	—	—
	(ix) District Industries Centres—							
	(a) Units registered	.. No. (cum)	59000	41495	16510	48000	10976	17500
	(b) No. of artisans assisted	.. No. 000 (cum)	10·00	6212	4282	4785	4075	5000
	(c) Financial assistance obtained from the financial institutions including Banks	Rs. in lakhs	3,178	10,332·52	6,848·54	3,000	10,987·45	17,500·00
	(d) Staff in position (as on date)—							
	(i) General Manager	.. Nos.	12	12	12	12	12	12
	(ii) Functional Manager	.. Nos.	44	44	44	44	44	44
	(iii) Project Manager	.. Nos.	36	36	36	36	36	36
III. TRANSPORT								
30 Roads --								
	(i) State Highways :							
	(a) Surfaced	.. Kms. (Cumulative)	1900	1963	1953*	1953	1953	1953
	(b) Un-surfaced	.. "	—	—	—	—	—	—
	Total	.. "	1900	1963	1953	1953	1953	1953
	(ii) Major District Roads :							
	(a) Surfaced	.. "	2100	2037	2037	2100	2037	2037
	(b) Un-surfaced	.. "	—	—	—	—	—	—
	Total	.. "	2100	2037	2037	2100	2037	2037
	(iii) Other district roads :							
	(a) Surfaced	.. "	2550	2461	2466	2540	2480	2485
	(b) Un-surfaced	.. "	—	—	—	—	—	—
	Total	.. "	2550	2461	2466	2540	2480	2485

*Length reduced by 10 K.M.S. as were upgraded to National Highways.

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STATEMENT-III
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Targets	Achievement 1985-88	Annual Plan 1988-89 Achievements	Annual Plan 1989-90		Annual Plan 1990-91
						Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9
	(iv) Village roads :							
	(a) Surfaced	.. ..	26552	28539	28539	28700	28550	28560
	(c) Un-surfaced	.. ..	—	—	—	—	—	—
	Total	.. ..	26552	28539	28539	28700	28550	28560
	(v) Total roads :							
	(a) Surfaced	.. ..	33102	35000	34995	35303	35020	35035
	(b) Un-surfaced	.. ..	—	—	—	—	—	—
	Total	.. ..	33102	35000	34995	35303	35020	35035
	Tourism:—							
	1. Home Tourists	.. No.	—	3,00,000	3,50,000	5,00,000	5,00,000	6,00,000
	2. Foreign Tourists	.. ..	—	2,500	3,000	4,000	4,000	7,000
	3. Accommodation Available	.. ..	2,000	2,500	2,800	3,000	3,000	3,500
	EDUCATION							
33	Elementary Education							
	(i) Class I—V (age group 6--10)							
	(a) Total Enrolment							
	Boys	.. '000	1260	1295	1308	1241	1241	1256
	Girls	.. ..	1025	940	952	1044	1044	1054
	Total	.. ..	2285	2235	2260	2285	2285	2310
	(ii) Percentage of age-group—							
	Boys	.. ..	130.78	126.00	134.00	101.53	101.53	NR
	Girls	.. ..	104.19	118.55	110.00	101.26	101.26	NR
	Total	.. ..	107.82	118.55	101.00	107.82	107.82	NR
	(b) Enrolment of Scheduled Caste —							
	Boys	.. '000	386	378	380	371	371	375
	Girls	.. ..	278	277	280	293	293	295
	Total	.. ..	664	655	660	664	664	670
	Percentage to age group—							
	Boys	.. ..	113.53	100.80	100.50	100.26	100.26	NR
	Girls	.. ..	109.45	101.11	101.08	100.14	100.14	NR
	Total	.. ..	111.78	100.93	100.70	111.78	111.78	NR

*Length reduced by 10 Kms. as these were upgraded to National Highways.
 Note:—NR Stands for not reported.

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STATEMENT-III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	1985-88 Achievement	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target Proposed
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
	(c) Enrolment of Scheduled Tribes—							
	Boys	.. '000	—	—	—	—	—	—
	Girls	.. ..	—	—	—	—	—	—
	Total	.. ..	—	—	—	—	—	—
	Percentage to age-group—	..						
	Boys	.. '000	—	—	—	—	—	—
	Girls	.. ..	—	—	—	—	—	—
	Total	.. ..	—	—	—	—	—	—
	(d) Class VI—VIII Age group (11—14)							
	Boys	.. ..	552	513	525	552	552	560
	Girls	.. ..	385	372	379	385	385	392
	Total	.. ..	937	885	904	937	937	952
	Percentage to age-group—	..						
	Boys	.. ..	95.02	99.03	94.02	96.89	96.89	—
	Girls	.. ..	70.81	71.26	71.54	72.70	72.70	—
	Total	.. ..	83.31	81.98	82.03	84.95	84.95	—
	Enrolment of Scheduled Castes—							
	Boys	.. '000	113	101	105	113	113	114
	Girls	.. ..	64	65	71	64	64	65
	Total	.. ..	177	166	176	177	177	179
	Percentage to age-group—	..						
	Boys	.. ..	71.81	75.17	76.01	77.81	77.88	—
	Girls	.. ..	47.08	46.31	48.04	47.08	47.08	—
	Total	.. ..	62.05	61.21	61.94	62.03	62.03	—
34	Secondary Education							
	(i) Class IX—X Enrolment—							
	Boys	.. ..	270	238	267	270	270	—
	Girls	.. ..	180	173	194	180	180	—
	Total	450	411	461	450	450	489
	(ii) Class XI-XII Enrolment—							
	Boys	.. 6000	—	—	—	—	—	—
	Girls	—	—	—	—	—	—
	Total	—	—	—	—	—	—

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STATEMENT-III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan 1985-88		1988-89 Achievement	Annual Plan 1989-90		Annual Plan 1990-91
			1985-90 Targets	Achievement		Targets	Anticipated Achievements	
1	2	3	4	5	6	7	8	9
35	Enrolment in Vocational Courses							
	(i) Post-elementary Stage —							
	Total	.. No.	—	—	—	—	—	—
	Girls	.. No.	—	—	—	—	—	—
	(ii) Post High School Stage—							
	Total	.. No.	—	—	—	—	—	—
	Girls	.. No.	—	—	—	—	—	—
36	Enrolment in Non-formal (Part-time/Continuation classes)							
	(i) Age-group (6—11)							
	Total	.. No.	—	—	—	—	—	—
	Girls	.. No.	—	—	—	—	—	—
	(ii) Age-group (11—14)							
	Total	.. No.	60,000	35,831	12,851	12,000	12,000	48,000
	Girls	.. No.	—	—	—	—	—	—
37	Adult Education							
	(i) No. of Participations (age group 15-35)	'000	540	25	13	18	18	27
	(ii) Number of Centres opened under:—							
	(a) Central Programme	.. No.	—	—	—	—	—	—
	(b) State's Programme	.. No.	18,000	300	300	600	600	900
	(c) Voluntary Agencies	.. No.	—	—	—	—	—	—
	(d) Other Programmes	.. No.	—	—	—	—	—	—
38	Teachers							
	(i) Primary I—V	.. No.	47,810	—	—	47,853	47,853	47,863
	(ii) Middle Classes VI—VIII	.. No.	25,825	25,435	25,435	25,435	25,435	25,435
	(iii) Secondary Classes IX—X	.. No.	21,875	21,923	21,923	21,923	21,923	21,968
	(iv) Higher Sec. Classes XI—XII	.. No.	—	860	1,513	2,500	2,500	3,090
39	Health and Family Welfare							
	(i) Hospitals—							
	(a) Urban	.. No.	58	(7) Upgraded + 1 (New Establish)	—	—	—	4
	(b) Rural	.. No.	—	—	—	—	—	—
	(ii) Dispensaries—							
	(a) Urban	.. —	25	15	—	10	10	5
	(b) Rural	.. —	—	—	—	—	—	—

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STATEMENT--III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Achievement (1985-90)	1988-89 Achievement	1989-90		Annual plan 1990-91	
						Target	Anticipated Achievement	proposed Target	
1	2	3	4	5	6	7	8	9	
	(iii) Beds—								
	(a) Urban Hospitals & Dip. (cum) ..	Numbers	375	375	—	—	—	—	—
	(b) Rural Hos. & Dip. (Doctors) ..	No. per 3	600	—	—	—	—	—	—
	(c) Bed. Pop. Ratio No. (per 1000 pop' Pop. per Bed	1325 in Rural area and 479 in Urban area as on 1st April, 1989) :							
	(iv) Nurse and Doctor Ratio —		—	—	—				
	(v) Doctor Population Ratio ..								
	(vi) Health Centre—								
	(a) Subcentres ..	No. (Commulative)	250	150	50	50	50	112	
	(b) Primary Health Centre ..	"	200 (Rev 1330)	150	85	95	95	12 plus	
	(c) Sub-sidiary Health Centre	235 have been upgraded to PHCs at 30,000 pop. level						40 Mobile teams	
	(d) Community Health Centre ..	"	{ 56 GOI 60 (State Govt.)	36	12	12	12	16	
	(vii) Training of Auxiliary Nurse Midwives—								
	(a) Institutes ..	No. (Commulative)	—	—	—	—	—	—	—
	(b) Annual Intake (Govt.)	"	2100	1260	420	420	420	420	
	(c) Annual Outturn	"	1950	1185	395	415	400	400	
	VIII. Control of Diseases—								
	(a) T.B. Clinics ..	No. Commulative	—	—	—	—	—	—	—
	(b) Leprosy Control Units ..	"	—	—	—	—	—	—	—
	(c) Filaria Units ..	"	—	—	—	—	—	—	—
	(d) S.T. Centres ..	"	—	—	—	—	—	—	—
	(e) Distt. T.B. Centre ..	"	—	—	—	—	—	—	—
	(f) T.B. Isolation Beds. ..	"	—	—	—	—	—	—	—
	(g) Cholera Combat Teams ..	Not a problem in the state. hence no separate teams.							
	(h) S.T.D Clinics ..	—	—	—	—	—	—	—	—
	(i) Filaria Control Units ..	—	—	—	—	—	—	—	—
	(j) National Scheme for Prevention of Blindness—								
	Mobile Units set. up PHCs. assisted	Commulative	5	3	2	—	—	—	—
	Ophthalmic Deptt. Assisted ..	Nos.	—	—	—	—	—	—	—
	IX. Maternity & Child Welfare Centres (Other than PHCs. DGCs. & Scs.)								
	(a) Rural ..	Nos. Commulative	—	—	—	—	—	—	—
	(b) Urban ..	"	—	—	—	—	—	—	—

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STATEMENT : III

PHYSICAL TARGETS AND ACHIEVEMENTS

(Rs. in lacs)

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Achievement 1985-88	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target	
						Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	
(X)—Training & Employment of M.P.Ws									
(a) Districts covered—All districts are covered									
	(b) Trainees trained	.. "		1750	210	65	180	180	210
(c) Workers trained			All Unipurposes workers already trained to work as M.P.Ws.						
Health and Family Welfare—Homoeopathy									
(i) Hcspitals—									
	(a) Urban	.. Nos.		1	1	—	—	—	—
	(b) Rural	Nos.		—	—	..	—	—	—
(ii) Dispensaries—									
	(a) Urban	.. Nos.		75	21	—	—	40	20
	(b) Rural	.. Nos.		—	14	—	—	—	—
(iii) Beds—									
	(a) Urban Hospitals and Dispensaries	Nos.		10	10	—	—	—	—
	(b) Rural Hospitals and Dispensaries	Nos.		—	—	—	—	—	—
	(c) Bed population ratio	.. N.A.		—	—	—	—	—	—
40 SEWERAGE AND WATER SUPPLY									
A. Urban Water Supply : .. Com.									
(i) Corporation Towns :									
	(a) Augmentation of Water Supply	Mld.		—	—	—	—	—	—
	(b) Towns covered	.. Nos.		—	—	—	—	—	—
	(c) Population covered	.. Lakhs		—	—	—	—	—	—
(ii) Other Towns :									
(a) Original Schemes :									
	Towns covered	.. Nos. }	20 partly	20 partly	25 partly	25 partly	25 partly		—
	Population covered	.. Lakhs	Part Population	Part Population	Part Population	Part Population	Part Population		—
(b) Augmentation Schemes :									
	Towns covered	.. Nos.	20 partly	20 partly	} included in (a) above				
	Population covered	.. Lakhs	Part Population	Part Population					
B. Urban Sanitation :									
I. Sewerage Schemes :									
(i) Corporation Towns :									
	(a) Augmentation capacity	.. Mld.		—	—	—	—	—	—
	(b) Towns covered	.. Nos.		—	—	—	—	—	—
	(c) Population covered	.. Lakhs		—	—	—	—	—	—

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STATEMENT : III

PHYSICAL TARGETS AND ACHIEVEMENTS

(Rs. in lacs)

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Achievement (1985-88)	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
(II) Other Towns :								
(a) Original Schemes :								
	Town covered	.. Nos.	28 partly	28 partly	41 partly	39 partly	39 partly	—
	Population covered	.. Lakhs	Part Population	Part Population	Part Population	Part Population	Part Population	—
(b) Augmentation Schemes :								
	Towns covered	.. Nos.	35 partly	35 partly	} included in (a) above			
	Population covered	.. Lakhs	Part Population	Part Population				
II. Drainage Schemes :								
(a) Original Schemes								
	Towns covered	.. Nos.	}		Covered in 'B' above.			
	Population covered	.. Lakhs						
III. Latrines Conversion Programme :								
	(a) Latrines converted	.. Nos.	—	—	—	—	—	—
	(b) Towns covered	.. "	—	—	—	21 partly	21 partly	—
	(c) Population covered	.. Lakhs	—	—	—	Part Population	Part Population	—
IV. Urban Low Cost Sanitation :								
	(a) Community Latrines constructed	Nos.	—	—	—	—	—	—
	(b) Household latrines constructed	"]]	10,000	585	3,500	2,000	114	—
	(c) Towns covered	.. "	6	6	6	6	6	—
	(d) Population covered	.. Lakhs	partly	partly	partly	partly	partly	—
40 SEWERAGE AND WATER SUPPLY								
C. Rural Water Supply :								
I. Minimum Needs Programme (State Sector) :								
(a) Piped Water Supply :								
	Villages covered	.. Nos.	930	399	203	225	225	—
	Population covered	.. Lakhs	10.04	5.32	2.71	2.36	2.36	—
(b) Power Pump Tubewells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						
(c) Hand Pump Tubewells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						
(d) Sanitary Wells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						
(e) Open Dug Wells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						

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STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

(Rs. in lacs)

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Achievement (1985-88)	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target
						Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9
(ii) Central Sector (ARWSP) :								
(a) Piped Water Supply :								
	Villages covered	.. Nos.	300	259	139	115	115	—
	Population covered	.. Lakhs	3.24	3.46	1.84	1.21	1.21	—
(b) Power Pump Tubewells :								
	Villages covered	.. Nos.	}			Nil		
	Population covered	.. Lakhs						
(c) Hand Pump Tubewells :								
	Villages covered	Nos.	}					
	Population covered	.. Lakhs						
(d) Sanitray wells :								
	Villages covered	.. Nos.	}			Nil		
	Population covered	.. Lakhs						
(e) Open Dug wells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						
(iii) Other Rural Water Supply Programme :								
(a) Piped Water Supply :								
	Villages covered	.. Nos.	—	—	—	—	—	—
	Population covered	.. Lakhs	—	—	—	—	—	—
(b) Power-Pump Tubewells :								
	Villages covered	Nos.	}					
	Population covered	.. Lakhs						
(c) Hand Pump Tubewells :								
	Village covered	.. Nos.	}					
	Population covered	.. Lakhs						
(d) Sanitary Wells :								
	Villages covered	Nos.	}			Nil		
	Population covered	Lakhs						
(e) Open Dug Wells :								
	Villages covered	.. Nos.	}					
	Population covered	.. Lakhs						
(f) Other, if any (please specify) :								
	Villages covered	.. Nos.	}					
	Population covered	Lakhs						

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STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

(Rs. in lakhs)

Serial No.	Items	Unit	Seventh Plan (1985-90) Target	Achievement (1985-88)	1988-89 Achievement	1989-90		Annual Plan 1990-91 Target						
						Target	Anticipated Achievement							
1	2	3	4	5	6	7	8	9						
D. Rural Sanitation :														
Min'mum Needs Programme (State Sector) :														
(i)	Community latrines constructed	Nos.	}	The Scheme transferred to Distts.										
(ii)	Household latrines constructed	"												
(iii)	Villages covered	"												
(iv)	Population covered	.. Lakhs												
Centre Sector (CRSP) :														
(i)	Community latrines constructed	Nos.												
(ii)	Household latrines constructed	"												
(iii)	Villages covered	.. "												
(iv)	Population covered	.. Lakhs												
41. HOUSING :														
(i) Rural Housing :														
Provision of House-sites-cum-construction scheme for Rural landless workers—														
(a)	Allotment of sites	Nos. (Cum)	—	—	—	—	—	—						
(b)	Construction assistance	Do	Target	—	—	—	—	—						
(c)	Village Housing Project	Do	Was not fixed as budget provision was made only for the repayment of 2000 3400 1670 1600 1600 1000 HUDCO Loan											
(ii) Urban Housing :														
(a)	Subsidised Industrial Housing Schemes	Nos.(Cum)	325	—	—	—	—	—						
Housing (This scheme is being reviewed by the Labour Department)														
(b)	Low Income Group Housing Scheme	Do	1000	572	983	1450	1450	6700						
(c)	Middle Income Group Housing Scheme	Do	350	36	400	400	400	400						
(d)	High Income Group Housing Scheme	Do	—	—	—	—	—	—						
(e)	Rental Housing Scheme	Do	90	76	—	—	—	—						
(f)	Land acquisition and Area Development (Area Development)	Ha(Cum) j	—	—	—	—	—	—						
(g)	Slums cleared	Nos.(Cum)	—	—	—	—	—	—						
(h)	House Building advance to Government servants	Do	980	654	—	Purchase of land in UT. Chandigarh	—	48 officers apartments in sectors 42-C Chandigarh						
(i)	Police Housing	Do	—	—	—	—	—	—						
(j)	Others (Specify)	Do	—	—	—	—	—	—						
42. Urban Development :														
(i) Financial Assistance to Local Bodies Remunerative Schemes :														
(a)	Shops and Market Centres	Nos.	—	—	—	—	—	—						
(b)	Other Remuneratives Schemes	Nos.	—	—	—	—	—	—						

ANNUAL PLAN 1990-91

STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENT

(Rs. in lakhs)

Code No.	Name of the Scheme/Projects	Seventh Plan (1985-90) Agreed Outlay	1985-88 Actual Expenditure	1988-89 Actual Expenditure	1989-90		Plan 1990-91
					Approved Outlay	Anticipated Expenditure	Target
1	2	3	4	5	6	7	8
Non-Remunerative Schemes :							
(a)	Construction of Roads	Kms.(Cum)	—	—	—	—	—
(b)	Construction of Parks	Sq. Mts.	—	—	—	—	—
(c)	Beautification Schemes	Nos.	—	—	—	—	—
(ii) Town and Regional Planning :							
(a)	Master Plans prepared	Do	—	—	—	—	—
(b)	Regional Plans prepared	Nos.	—	—	—	—	—
(iii) Environmental Improvement of Slums (MNP) :							
	Persons benefitted	Nos.	—	—	—	—	—
(iv)	Others (Specify)	Do	—	—	—	—	—
Labour and Labour Welfare							
(a)	No. of Industrial Trg. Instts.	Cumulative					
(i)	Crafts men Training			39	38	39	40
(ii)	Wiremen Training			45	45	45	46
(b)	Intake Capacity						
(i)	Craftsmen Training	Do		12588	224	224	160
(ii)	Women Training	Do		4032	80	80	80
(c)	No. of persons undergoing Training						
(i)	Craftsmen Training	Do		12500	—	—	—
(ii)	Women Training			4000	—	—	—
(d)	Outturn						
(i)	Craftsmen Training						
(ii)	Women Training	—		—	—	820	820
	Special Trade Instts. 5 in Nos.			—	—	360	360
	Art & Crafts Teachers Trg. Instt. 2 in Nos.			—	—	3100	3100
	No. of Apperentices engaged			—	—	81	81
	No. of persons engaged outside the state			—	—		
44. Welfare of Scheduled Castes, Scheduled Tribes and Backward Classes							
(i) Pre-matric education incentive							
(a)	Scholarships/Stipends	4500 No. of students		31104	6400	—	8300 (District Plan)
(b)	Other incentives like boarding garments, boots stationery and uniforms	4510 No. of students (lakhs)		1000	9.75	1000	1000 from non-plan)
(ii) Economical Aid-							
(a)	For Agriculture	4530 No. (Cum)		—	—	—	—
(b)	For Animal Husbandry	4540 No. (Cum)		—	—	—	—
(c)	For Cottage Industry	4550 No.		350	—	—	250
(iii) Others—							
(a)	House sites	4560 No. (Cum)		—	—	—	—
(b)	Drinking Water Wells/Tanks	4570 No.		3500	400	300	300 (out of Distt. Plan)

ANNUAL PLAN 1990-91
STATEMENT-III: SCHEMES
OUTLAY AND EXPENDITURE

Serial No.	Item	Unit	Seventh Plan (1985-90) Target	Annual Plan 1988-89 Achievement	Annual Plan 1989-90		Annual Plan Target proposed
					Target	Anticipated Achievement	
1	2	3	4	5	6	7	8
	(iv) Hostels—						
	(a) Hostels started	4580 No.		—	19	59	59
	(b) Hostel Building Constructed	4590 No.		—	3	3	3
45	Social Welfare :						
	(i) Child Welfare—						
	(a) ICDP	4600 Units 4610 (Cum) (Ben. lakh)	50 3.82	48 2.55	48 2.86	48 2.86	60 2.86
	(b) Balwadis/Anganwadis	4620 Units No. (Cum) 4630 Ben (Cum) (lakh)	5000 3.82	4897 2.55	5200 2.86	5104 2.86	5104 2.86
	(c) Creches	4640 Units 4650 (Ben.)	—	—	—	—	—
	(ii) Women Welfare—						
	(a) Training-cum-Production Centres	4660 Units 4670 Ben.	—	4	4	4	4
	(b) Hostels for working women	4680 Units 4690 Ben.	—	300	300	300	300
	(iii) Welfare of Handicapped—						
	(a) Programme for the Blind	4700 Units 4710 Ben. (Cum)	—	1 7874	1 8199	1 8199	1 8524
	(b) Programme for the Deaf	4720 Unit 4730 Ben. (Cum)	—	—	—	—	—
	(c) Programme for the Ortheraetically handicapped (Disabled persons)	4740 Units 4750 Ben. (Cum)	7500	5500	6200	6000	6200 Out of non-plan and from plan
	(d) Programme for the mentally retarded children	4760 Units 4770 Ben.	—	—	—	—	833 from plan
	(e) Scholarships (Ben)	4780 Ben.	300	60	60	60	60 Non-Plan
	(f) Supply of Prosthetic Aid	4790 Ben.	500	60	60	60	60 Non-Plan
	(iv) Welfare of Destitute and Widow—						
	(a) Financial Assistance to Women	4800 Ben (Cum)	15000	7223	7000	7000	7000 from non- plan 2000 from plan
	Children	4810 Ben (Cum)	7500	4200	4500	4200	4500 from non- plan and 1 166 from plan
	(b) Old Age Pension	4820 Ben.	—	12275	12275	15275	12275 from non- plan and 8333 from plan

ANNUAL PLAN 1990-91

STATEMENT IV

MINIMUM NEEDS PROGRAMME—OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Programme	Seventh Plan (1985-90) Agreed outlay	1985-88 Actual Expendi- ture	1988-89 Actual Expendi- ture	1989-90		1990-91	
				Approved outlay	Anti- cipated Expendi- ture	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8
1. Rural Electrification	5429.00	4368.00	2281.00	1500.00	1500.00	1500.00	1500.00
2. Rural Fuel Wood	—	—	—	—	—	—	—
3. Rural Roads	—	—	—	—	—	—	—
4. Elementary Education	2875.25	901.46	498.95	502.25	502.25	—	—
5. Adult Education	500.00	19.14	11.65	22.88	22.88	54.00	—
6. Rural Health	2626.15	425.69	347.33	661.00	586.00	671.50	432.50
7. Rural Water Supply	7000.00	3068.88	1148.29	1600.00	1600.00	—	—
8. Rural Sanitation	250.00	64.50	55.00	100.00	175.00	—	—
9. Rural House sites-cum-Construction Scheme—							
(a) Allocation of sites	—	—	—	—	—	—	—
(b) Construction assistance (House for Rural Homeless)	324.00	209.81	66.37	53.11	55.28	32.55	32.55
10. Environmental Improvement of slums	500.00	155.00	62.00	62.00	62.00	—	—
11. Nutrition	1650.00	—	275.40	275.00	274.00	—	—
12. Public Distribution System	—	—	—	—	—	—	—

ANNUAL PLAN 1990-91
STATEMENT V
PHYSICAL TARGETS AND ACHIEVEMENTS

MNP

Head of Development	Unit	Level 1984-85	Seventh Plan (1985-90) Target	Additional in the Plan/year				Annual Plan 1990-91 Target	
				1985-88 Achieve- ment	1988-89 Achieve- ment	1989-90 Target	Anti- cipated Achieve- ment		
1	2	3	4	5	6	7	8	9	
Power:									
1. Rural Electrification Villages Electrified	.. Nos.		All the 12126 inhabited villages in the State have been electrified as on 10-5-1976.						
2. Rural Roads—									
(a) Length	.. Kms	24524	—	—	—	—	—	—	
(b) Total No. of villages in the State	.. Nos.	12188	—	—	—	—	—	—	
(c) Villages Connected—									
(i) With a population of 1500 and above	.. Do	1689	—	—	—	—	—	—	
(ii) With a population between 1000—1500	.. Do	1657	—	—	—	—	—	—	
(iii) With a population below 1000	.. Do	8478	—	—	—	—	—	—	
Total (i), (ii) and (iii)	.. Do	11824	—	—	—	—	—	—	
3. Elementary Education—									
(a) Class-IV (age-group 6—11 years) enrolment	.. '000	2160	2285	2235	2260	2285	2285	2310	
(b) Class VI-VIII (age-group 11—14 years) enrolment	.. '000	844	937	885	915	937	937	952	
4. Adult Education—									
(a) No. of Participants (15—35 years)	.. Nos.	—	625000	12012	18000	18,000	18,000	2,7000	
(b) No. of Centres	.. Nos.	—	—	—	—	—	—	—	
(i) Centre	.. Nos.	—	—	3600	3600	3600	3600	—	
(ii) State	.. Nos.	—	3600	300	600	600	600	900	
(iii) Voluntary Agencies	.. Nos.	—	—	—	—	—	—	—	
(iv) Other programmes	.. Nos.	—	—	—	—	—	—	—	
Rural Health—									
(a) Sub-Centres	.. Nos.	2602	250	150	150	50	50	112	
(b) PHCs	.. Nos.	130	330 (Revised)	150	85	95	95	12+40 Mobile teams for Border Population	
(c) SHCs	.. Nos.	1576	330 to be Upgraded PHCs at 30,000 Pop. level.						
(d) Community Health Centres	.. Nos.	10	60 State Govt. 56 GOI	36	12	12	12	16	
(e) PHCs covered under Health Guide Scheme	.. Nos.	129	————— to continue as per policy of GOI						

ANNUAL PLAN 1990-91

STATEMENT V

PHYSICAL TARGETS AND ACHIEVEMENTS—M.N.P.

(Rs. in lacs)

Head of Development	Unit	1979-80 level	Seventh Plan (1985-90) Target	Additional in the year/Plan				Annual Plan (1990-91) Target
				1985-89 Achieve- ment	1988-89 Achieve- ment	1989-90 Target	Anticipated Achieve- ment	
1	2	3	4	5	6	7	8	9
6. Rural Water Supply:								
1. State Sector:								
(a) Problem villages	.. Nos.	1,474	930	171	400	250	—	—
(b) Population	.. 000's	1,740	10.80	N.A.	N.A.	N.A.	N.A.	N.A.
(c) Other Villages	.. Nos.	—	—	—	—	—	—	—
(d) Population	.. "	—	—	—	—	—	—	—
(e) Villages covered by—								
(i) Piped Water Supply	.. "	—	—	—	—	—	—	—
(ii) Dug Wells	.. "	—	—	—	—	—	—	—
(iii) Hand Pump/Tubwells	.. "	—	—	—	—	—	—	—
(iv) Power Pumps/Tubwells	.. "	—	—	—	—	—	—	—
(v) Others (Specify)	.. "	—	—	—	—	—	—	—
(f) Total Number of Schemes:								
(i) Piped Water Supply	.. "	1,474	930	203	400	400	—	—
(ii) Hand Pumps/Tubewells	.. "	1,740	10.80	2.71	2.36	2.36	—	—
(iii) Power Pumps/Tubwells	.. "	—	—	—	—	—	—	—
(iv) Dug Wells	.. "	—	—	—	—	—	—	—
(v) Others (Specify)	.. "	—	—	—	—	—	—	—
2. Centre Sector (ARP):								
(a) Problem Villages	.. "	293	300	1377	130	130	—	—
(b) Population	.. 000's	346	3.24	N.A.	N.A.	N.A.	N.A.	N.A.
(c) Other Villages	.. Nos.	—	—	—	—	—	—	—
(d) Population	.. 000's	—	—	—	—	—	—	—
(e) Villages covered by:								
(i) Piped Water Supply	.. Nos.	—	—	—	—	—	—	—
(ii) Dug Wells	.. "	—	—	—	—	—	—	—
(iii) Hand Pumps/Tubewells	.. "	—	—	—	—	—	—	—
(iv) Power Pumps/Tubewells	.. "	—	—	—	—	—	—	—
(v) Others (Specify)	.. "	—	—	—	—	—	—	—
(f) Total No. of Schemes:								
(i) Piped Water Supply	.. "	—	—	—	—	—	—	—
(ii) Hand Pumps/Tubwells	.. "	—	—	—	—	—	—	—
(iii) Power Pumps/Tubewells	.. "	—	—	—	—	—	—	—
(iv) Dug Wells	.. "	—	—	—	—	—	—	—
(v) Others (Specify)	.. "	—	—	—	—	—	—	—

ANNUAL PLAN 1990-91

STATEMENT V

PHYSICAL TARGETS AND ACHIEVEMENTS—M.N.P.

(Rs. in lakhs)

Head of Development	Unit	1979-80 level	Seventh Plan (1985-90) Target	Additional in the Plan/year		Annual Plan 1990-91 Target	
				1988-89 Achieve- ment	1989-90 Target Anticipated Achievement		
1	2	3	4	5	6	7	8
7. Rural House-Sites-cum-Construction Schemes:							
Allotment of Sites	.. Nos.						
Construction assistance	.. "						
} All eligible persons have already been allotted the free house-sites							
8. Environmental Improvement of Slums:							
(a) Cities Covered	.. "	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
(b) Persons benefitted	.. "	N.A.	3,00,000	1,50,657	80,000	80,000	—
9. (a) Beneficiaries under special nutrition programme in KOS							
Children 0—6 years	.. 000's	17	1,350	214	214	214	—
Women	.. "	—	—	—	—	—	—
(b) Beneficiaries under special nutrition programme antrides/ CAS							
Children 0—6 years	.. "	—	—	—	—	—	—
Women	.. "	—	—	—	—	—	—
Beneficiaries under Mid-day needs programme	.. "	—	—	—	—	—	—

ANNUAL PLAN 1990-91

STATEMENT-VI

CENTRALLY SPONSORED SCHEMES

Outlay and Expenditure

(Rs. in lakh)

Name of the Scheme	Central/ State Sector	Pattern of sharing Plan Expendi- ture (i.e. 50:50 100%)	Seventh outlay 1985-90	Actual Expenditure				1989-90		Annual Plan 1990-91 Appro- ved outlay	
				1985-86	1986-87	1987-88	1988-89	Approved outlay	Anti- cipated Expendi- ture		
1	2	3	4	5	6	7	8	9	10	11	
CS-16 CS-2	Control of Pests and diseases of Agricultural Importance in endemic areas including Weeds Control	Centrally Sponsored	50:50	453.00	0.98	—	—	—	0.10	—	—
CS-17 CS-4	National Oilseeds Development Project	Do	Breeder Seed and NOTP 100% by GOI Rest 50:50	165.00	17.38	17.18	81.61	84.62	119.80	138.52	133.82
CS-18 CS-5	National Pulses Development Project	Do	(i) Staff at State level by GOI, Staff at Distt. level by State (ii) Other item 50:50	35.00	5.11	3.72	5.80	4.82	10.00	17.47	18.34
CS-19 CS-11	Assistance to Small & Marginal Farmers on IRD Pattern	Do	50:50	1400.00	84.52	98.81	62.47	96.44	128.00	125.00	150.00
CS-20 CS-19	Comprehensive Crop Insurance	Do	50:50	—	—	—	—	—	0.10	—	0.10
CS-21 CS-22	Reclamation of Alkali Soils in Punjab	Do	50:50	—	199.39	114.50	278.65	262.12	200.00	299.96	200.00
CS-22 CS-23	Grading of Foodgrains & Oilseeds in regulated markets	Marketing Board	5:95	—	36.10	39.55	55.60	60.61	121.60	120.37	137.75
CS-23 CS-24	Construction & Operation of W.rehouses	Centrally Sponsored	50:50	125.00	25.00	25.00	25.00	—	5.00	—	0.10
CS-24 C -29	Integrated Programme for Rice Development	Do	25:75	—	—	—	—	—	115.00	97.50	387.72
CS-25 CS-28	Strengthening of Fertilizer Control Laboratory	Do	50:50	—	—	—	—	—	1.25	—	—
CS-26 CS-3	Intensive Cotton Development Programme (Sharing basis)	Do	50:50	225.00	29.40	11.65	—	—	—	—	24.22
CS-27 CS-6	Popularisation of Improved Agricultural Implements	Do	50:50 sub- sidy- loan 100% by GOI	75.00	—	0.60	—	—	—	—	—
CS-28 CS-10	Sample Survey for study of Constraints in transfer of technology for increasing Agricultural Production	Do	50:50	2.50	0.29	0.44	0.66	1.19	—	—	—
CS-29 CS-13	Dry Land Farming	Do	50:50	100.00	0.55	—	—	—	—	—	—

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STATEMENT-VI

CENTRALLY SPONSORED SCHEMES

Outlay and Expenditure

(Rs in lakh)

Name of the Scheme	Central/ State/ Sector	Pattern of sharing expdr. (i.e.50:50) 100% etc.	Seventh Plan Outlay 1985-90	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved outlay	
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Antici- pated Expen- diture		
1	2	3	4	5	6	7	8	9	10	11	
CS-30 CS-14	Scheme for the establishment of Pests & Diseases Surveillance Service in Punjab	Centrally Sponsored	75% for Staff P.O.L by GOI 25% by State	18.50	—	—	—	—	—	—	
CS-31 CS-16	Setting up of Machinery Hiring Units & establishment of Agro-Service Centres for Small Implements & Machinery	Do	Centrally sponsored	50.00	—	—	—	—	—	—	
CS-32 CS-17	Strengthening of Agricultural Information Centres at State/District level	Do	100% for equipment and 50% for Staff by GOI	212.00	—	—	—	—	—	—	
CS-33	Spl. foodgrains Production Programme Expansion of area under summer moong/urd	Central Sector	100%	—	—	—	—	—	—	4.00	
Total (Agriculture)				3985.00	416.69	421.62	965.81	557.25	1112.37	1148.19	1560.75
II Soil Conservation											
CS-1 CS-2	National Watershed Development Programme for Rainfed Agriculture	Centrally Sponsored	50:50	—	—	6.05	8.84	8.81	10.00	9.72	20.00
CS-2 CS-1	Pilot Project for propagation of water conservation/harvesting technology in dry farming areas	Central Sector	100%	10.00	—	—	—	—	—	—	—
CS-3 CS-3	Strengthening of State Land Use Board	Central Sector	100%	—	—	—	—	—	3.50	3.50	—
Total				10.00	—	6.05	8.84	8.81	13.50	13.22	20.00
III Animal Husbandry											
CS-1 CS-10	Estt. of Backyard Poultry Units for the benefit of rural poor	Central Sector	100%	—	—	—	0.75	1.97	1.70	1.70	—
CS-2 CS-1	ICAR Scheme—All India Coordinated Research project for Epidemiological studies on Foot and Mouth	Centrally sponsored Scheme	75:25	5.10	0.88	—	—	—	—	—	—
CS-3 CS-2	Foot & Mouth Disease control programme project for vaccination of cattle and buffaloes in selected areas	Do	Polyvalent Vaccine GOI-25% State-25% Farmer's Share 50% Monovalent Vaccine 50:50	30.00	4.78	6.18	6.50	6.50	6.50	6.50	7.00
CS-4 CS-3	Systematic control of Livestock disease of National Importance and other related aspects	Do	50:50	50.00	19.18	19.01	4.23	5.31	8.17	8.17	10.80
CS-5 CS-4	Provision of Life Saving drugs	Do	50:50	52.87	—	—	—	—	—	—	—

Note :—The figures given in denominators under Col. 1 denotes the old scheme number,

ANNUAL PLAN 1990-91
STATEMENT-VI
CENTRALLY SPONSORED SCHEMES
OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expenditure (i.e. 50:50, 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay	
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Anti- cipated Expendi- ture		
1	2	3	4	5	6	7	8	9	10	11	
CS-6	Sample survey on estimation of Production of milk, eggs, wool and meat	Centrally Sponsored scheme	50:50	10.60	0.09	0.10	0.15	0.14	2.15	2.15	2.50
CS-5											
CS-7	Centrally Sponsored Scheme—Live-stock Census	Do	50:50	—	—	—	—	1.00	3.00	—	
CS-5A											
CS-8	Assistance to Small/Marginal farmers and Agri. labourers for rearing of cross-bred heifers	Do	50:50	92.29	2.14	8.25	15.83	17.99	25.15	25.15	31.00
CS-6											
CS-9	Implementation of Poultry, piggery and sheep production programme through Small/Marginal Farmers and Agricultural labourers	Do	50:50	50.11	3.49	5.27	8.95	9.96	10.00	10.00	15.50
CS-7											
CS-10	CSS-Development of indigenous breeds of cows and buffaloes.	Do	50:50	—	—	—	3.50	3.48	3.00	3.00	—
CS-9											
CS-11	Share Capital contribution to Pb. Poultry Development Corporation	Do	50:50	50.00	—	10.00	10.00	—	—	—	—
CS-8											
	Total			343.47	30.56	48.81	49.91	45.35	57.67	59.67	66.80
IV. Fisheries :											
CS-1	Central Sector scheme for development of inland fisheries	Central Sector	100%	—	—	—	—	—	1.50	1.50	1.50
CS-4	Statistics										
CS-2	Estt. of two 10 Hectare Fish Seed Hatcheries	Centrally Sponsored Scheme	50:50	100.00	4.96	16.00	18.00	8.72	—	—	—
CS-1											
CS-3	Assistance to FFDA Ludhiana, Amritsar, Sangrur, Patiala, Gurdaspur and Jullundur	Do	50:50 (Except cost of estt. & contingencies)	120.00	10.00	15.00	15.00	22.75	10.00	10.00	10.00
CS-2											
CS-4	Assistance to FFDA RoPar, Kapurthala, Hoshiarpur, Bathinda, Faridkot & Ferozepur	Do	Do	—	—	—	—	—	—	—	10.00
CS-5	Estt. of two 5 Hectare fish seed Farms for FFDA Ludhiana & Sangrur	Do	50:50	10.00	5.00	5.00	18.71	—	—	—	—
CS-3											
	Total			300.00	20.36	36.00	51.71	31.47	11.50	11.50	21.50
Forests:											
CS-1	Integrated WasteLand Development Project	Central Sector	100%	800.00	75.00	121.66	91.38	96.38	150.00	100.00	180.00
CS-3	Soil, Water and Tree Conservation in Himalayas (operational Soil Watch)										
CS-2	Fuelwood and Fodder Project	Centrally Sponsored	50:50	900.00	88.00	135.74	140.09	89.82	95.00	95.00	125.00
CS-2	Rural Fuelwood Plantations & afforestation of Eco-sensitive Non-Himalayan Areas										
CS-3(a)	Assistance for the development of sanctuaries-Harike & Abohar	Central Sector	100%	—	—	—	—	7.69	17.00	14.35	16.00
CS-13 & 14											

V. 2-3 figures in the Col. 1 indicate the old scheme Nos.

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STATEMENT-VI

CENTRALLY SPONSORED SCHEMES

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expen- diture (i.e. 50: 50, 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Appro- ved Outlay
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Anti- cipated Expen- diture	
1	2	3	4	5	6	7	8	9	10	11
CS-3(b) Development of Sanctuaries in Patiala District]	Central Sector	100%	—	—	—	—	—	—	—	21.00
CS-4 Assistance for the development of selected Zoos	Centrally Sponsored	50:50	10.00	—	—	—	1.25	2.00	1.00	2.00
CS-5 Development of infrastructure for the protection of Forests	Centrally Sponsored	50:50	—	—	—	—	—	10.37	10.37	25.00
CS-6 Establishment Silvipastoral farms	Centrally Sponsored	50:50	10.00	—	—	—	10.00	10.63	10.63	—
CS-7 Decentralised People's Nurseries	Central Sector	100%	—	—	—	33.00	45.00	50.00	40.00	62.50
CS-8 Assistance to Wild Life Education & Interpretation Programme	Centrally Sponsored	50:50	—	—	—	—	1.00	1.25	1.25	1.25
CS-9 Assistance for Control of Poaching & illegal trade in wild Life]	Centrally Sponsored	50:50	—	—	—	—	1.04	1.25	1.25	1.25
S-10 ^m Collection, Certification, Grading and Storage of seeds of forest species including lagumes and Grasses	Central Sector	100%	—	—	—	—	—	—	5.05	10.00
CS-11 Area oriented fuelwood/Fodder Projects	Centrally Sponsored	50:50	—	—	—	—	—	7.00	—	—
CS-12 ⁿ Afforestation of Desert and Semidesert areas	Central Sector	100%	700.00	—	—	—	—	—	—	—
CS-13 ^f Financial support to Agricultural University	Central Sector	100%	80.00	—	—	—	—	10.00	—	—
CS-14 Extension, Training and Education in the State	Centrally Sponsored	50:50	50.00	—	—	—	—	—	—	—
Total			2550.00	163.00	257.40	264.47	252.18	354.50	278.90	444.00

Note : Figures in the denominator under Col. 1 indicate old scheme Nos.

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CENTRALLY SPONSORED SCHEMES

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expen- diture (i.e. 50: 50, 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Appro- ved Outlay	
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Anti- cipated Expen- diture		
1	2	3	4	5	6	7	8	9	10	11	
Community Development & Panchayats:											
CS-1 CS-4	National Project on Demonstration of Improved Chullas in rural areas	Central Sector	100%	392.50	39.25	28.10	15.00	39.30	78.50	78.50	78.50
CS-2 CS-1	Strengthening of Infrastructure under TRYSEM	Centrally Sponsored	50:50	10.00	—	5.72	6.51	6.63	8.00	4.89	16.00
CS-3 CS-3	Monitoring Cell at State Head-quarter.	Centrally Sponsored	50:50	17.00	—	1.25	1.87	1.59	2.30	3.00	3.00
CS-5 CS-2	R.L.E.G.P.	Central Sector	100%	5000.00	714.36	575.40	647.87	803.39	1000.00	12.36	—
CS-6 CS-6	National Rural Employment Programme.	Centrally Sponsored	50:50	1580.00	378.86	214.10	252.86	433.89	445.11	—	—
CS-7 CS-5	State Institute of Rural Development	Centrally Sponsored	50:50	30.00	—	15.00	6.00	9.00	9.00	9.00	—
CS-9 CS-7	Financial Assistance to the Assignees of ceiling surplus land	Centrally Sponsored	50:50	—	—	9.30	—	—	1.00	—	—
CS-10 CS-10	Extension of Training Centres	Central Sector	100%	—	—	—	—	—	8.65	7.75	16.65
CS-11	Jawahar Rozgar Yojana	Centrally Sponsored	80 :20 (Genre-State)	—	—	—	—	—	—	—	1340.52
CS-12	Grant-in-aid under EEC aided Programme for SIRD Nabha	Central Sector	100%	—	—	—	—	—	—	—	27.50
Total				7029.50	1132.47	848.87	930.11	1293.80	1552.56	115.50	1482.17
Cooperation:											
CS-1 CS-1	Agriculture Credit Stabilisation Fund.	Central Sector	G.O.I. 100%	500.00	20.00	65.00	30.00	5.00	400.00	400.00	100.00
CS-2 CS-16	Margin money assistance to state level federation in developed States (MARKFED)	Central Sector	G.O.I. 100%	50.00	1.90	50.00	50.00	50.00	100.00	100.00	100.00
CS-3 CS-18	Assistance to State Federation (Markfed) for Price Fluctuation Fund.	Central Sector	G.O.I. 100%	250.00	—	—	—	—	100.00	—	—

Note: Figures in the denominator under Col. 1 indicate Old Scheme Nos.

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CENTRALLY SPONSORED SCHEMES

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expendi- ture (i.e. 50 : 50, 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay	
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Antici- pated Expendi- ture		
1	2	3	4	5	6	7	8	9	10	11	
CS-4 CS-17	Share Capital assistance/rehabilitation assistance to Primary Marketing Societies in developed States.	Central Sector	G.O.I. 100%	100.00	14.50	16.00	—	—	—	2.00	50.00
CS-5 CS-19	Margin money assistance to Coop. Farmers Service Centres (3000 Centres @ Rs. 25,000)	Central Sector	G.O.I. 100%	750.00	—	—	—	—	—	—	—
CS-6 CS-20	Subsidy to PACS for opening of retail outlets and incentive to sales-men.	Central Sector	G.O.I. 100%	150.00	—	—	—	—	—	—	—
CS-7 CS-21	Training and manpower development.	Central Sector	G.O.I. 100%	4.00	—	—	—	—	—	—	—
CS-8 CS-22	Margin money assistance to village societies for distribution of consumer articles in rural areas & assistance for rural consumer stores.	Central Sector	G.O.I. & N.C.D.C. 100%	125.00	—	—	—	—	—	—	—
CS-9 CS-10	Assistance to Central Co-operative Banks and Primary Agriculture Service Societies as Risk Fund for consumption loan	Centrally Sponsored	G.O.I. 50%	25.00	3.39	5.00	5.00	5.00	5.00	5.00	5.00
CS-10 CS-24	Ad hoc provision as matching Central Share for new Centrally Sponsored Schemes—Failed Tubewells	Centrally Sponsored	G.O.I. 50% State 50%	11.00	—	—	—	—	5.00	—	—
CS-11 CS-25	Assistance to Co-operative Credit Institutions in the Co-operatively under-developed States and special areas for non-over due cover	Centrally Sponsored	G.O.I. 50% State 50%	—	407.50	—	—	100.00	100.00	100.00	100.00
CS-12 CS-11	Rehabilitation assistance to Consumer Stores	Centrally Sponsored	G.O.I. 50%	1.00	—	—	—	—	—	—	—
CS-13 CS-12	National Grid for Rural Godowns	Centrally Sponsored	G.O.I. 50%	100.00	—	—	—	—	—	—	—
CS-14 CS-13	Assistance to Punjab State Co-operative Land Mortgage Banks for development of long term structure	Centrally Sponsored	G.O.I. 50%	50.00	—	—	—	—	—	—	—
CS-15 CS-3	Assistance for distribution of consumer articles in rural areas	Central Sector	NCDC 100%	200.00	2.00	3.00	2.00	2.05	25.00	4.50	10.00

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OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expendi- ture (i.e. 50:50, 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				1989-96		Annual Plan 1990-91 Approved Outlay	
				1985-86	1986-87	1987-88	1988-89	*Allo- cation	Anti- cipated Expendi- ture		
1	2	3	4	5	6	7	8	9	10	11	
CS-16 CS-4	Assistance for Techni- cal and Promotional Cell of various Apex Federations	Central Sector	NCDC 100%	15.00	1.83	1.00	1.00	3.03	5.00	5.00	5.35
CS-17 CS-5	Assistance for preparation of Project reports and feasibility studies to Milkfed and other State Federations	Central Sector	NCDC 100%	2.00	—	—	—	5.00	5.00	5.00	5.00
CS-18 CS-23 CS-19	IFFCO, KRIBHCO, NCDC Service Centres	Central Sector	NCDC 100%	2.00	—	—	—	—	—	—	—
CS-26	Assistance to Co-operative Apex Institutions for installation of computers	Central Sector	NCDC 100%	—	—	—	11.52	—	—	—	—
CS-20 CS-6	Share Capital participation for expansion and setting up of new Spinning Mills/Cotton Waste Spinning Mills	Centrally Sponsored	NCDC 22.5% State 22.5%	871.00	15.99	18.81	47.20	266.25	246.25	246.25	395.65
CS-21 CS-7	Assistance for expansion and Installation of Co-operative Sugar Mills	Centrally Sponsored	NCDC 50% of Total State Govern- ment Share	562.75	199.00	186.75	441.00	1157.50	184.75	416.15	1000.00
CS-22 CS-14	Loan Assistance to Markfed for setting up processing units	Centrally SPponsored	NCDC 20% State 15%	2671.50	—	—	272.00	—	625.00	—	225.00
CS-23 CS-15	Assistance as share capital to Spinfed for setting up Central Laboratory for testing Cotton and Yarn	Centrally SPponsored	NCDC 50%	24.00	—	20.00	11.50	—	—	—	—
CS-24 CS-8	Assistance as share capital for construction of Cold Storage	Centrally SPponsored	NCDC 25% State 20%	5.00	1.00	—	—	—	—	—	—
CS-25 CS-9	Assistance for construction of godowns under NCDC II Project	Centrally SPponsored	NCDC 25% State 20%	578.75	150.00	230.12	42.50	—	—	47.48	—
CS-26	Assistance to Punjab State Co- operative Agricultural Develop- ment Bank Limited to strengthen the Credit Rehabilitation Fund	Centrally SPponsored	G.O.I. 50% State 50%	—	—	—	—	—	—	—	1.00
Total Sub-head Cooperation				7048.00	817.11	595.68	913.72	1593.83	1801.00	1331.38	1997.00

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OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expenditure (i.e. 50:50, 100% etc.)	Seventh Plan Outlay (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay	
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Antici- pated Expendi- ture		
1	2	3	4	5	6	7	8	9	10	11	
INDUSTRIAL CO-OPERATIVES :											
CS-27	Margin money as share capital contribution in Punjab Handloom Weavers Apex Co-operative Society for setting up of show-rooms-cum-sale Centres	Centrally Sponsored	NCDC 75% State 25%	25.00	6.00	5.00	5.00	10.00	10.00	10.00	10.00
CS-28	Managerial subsidy to Apex/Primary Societies	Centrally Sponsored	G.O.I. 50% State 50%	7.00	1.00	1.50	1.41	1.50	1.50	1.50	1.50
CS-29	Share Capital contribution to Co-operative Handloom Apex Society and Primary Societies as equity base	Centrally Sponsored	G.O.I. 50% State 50%	50.00	10.00	10.00	11.00	10.00	10.00	10.00	7.00
CS-30	Assistance to Handloom Processing Units for Modernisation and setting up Handloom Units	..	..	50.00	—	—	—	—	—	—	—
CS-31	Market Development Assistance to Apex Handloom and Primary Handloom Weavers Cooperative Societies	Centrally Sponsored	G.O.I. 50% State 50%	25.00	1.99	7.94	5.70	20.00	5.50	20.50	21.50
CS-32	Assistance as loan and share capital for setting up processing units by Handloom Apex	Centrally Sponsored	State 15% NCDC 80%	5.00	0.80	—	—	5.34	—	2.34	8.00
Total ..				162.00	19.79	24.44	23.11	46.84	27.00	44.34	48.00
Grand Total Co-operation Department ..				7210.00	836.90	620.12	936.83	1640.67	1828.00	1375.72	2045.00

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OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central Sector	Pattern of sharing Expenditure (i.e. 50 : 50 100 % etc.)	Seventh Plan outlay (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay
				1985-86	1986-87	1987-88	1988-89	Allo-cation	Antici-pated Expendi-ture	
1	2	3	4	5	6	7	8	9	10	11
IX. MINOR IRRIGATION :										
CS-1 Centrally Sponsored Scheme for purchase of machinery (Punjab State Tubewell Corporation)	Central sector	50 : 50	40.00	—	—	—	40.00	20.00	20.00	15.00
CS-2 Strengthening of ground water Minor Irrigation Organisation Agriculture Department	Central sector	50 : 50	54.00	0.42	8.91	12.20	16.09	20.00	20.00	30.00
CS-3 Scheme for improvement of Irrigation statistics	Central sector	100%	10.75	1.21	1.53	0.14	—	—	—	—
CS-4 Rationalisation of Irrigation Statistics	Central sector	100%	—	—	—	1.77	2.42	4.00	3.80	8.00
CS-5 Census minor Irrigation	Central sector	100%	—	—	—	—	7.18	1.00	0.30	—
CS-6 Rectification of Tubewells for increasing efficiency	Central sector	100%	—	—	—	0.65	—	6.00	6.00	6.00
FLOOD CONTROL :										
CS-7 Counter protective measures on the left side of river Ravi	Central sector	100%	150.00	50.32	114.20	267.14	58.42	200.00	275.00	200.00
CS-8 Special problem Scheme	Central sector	100%	—	—	—	124.12	125.20	150.00	150.00	200.00
CS-9 Grant-in-aid to PAU for the Scheme "Extension of the Model of Water and Power resources of North-West India to Incorporate Eastern Himalyas and North East India States	Central sector	100%	—	—	—	—	—	16.15	16.15	—
Total			254.75	51.95	124.64	406.02	249.31	417.15	491.25	459.00

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(Rs. in lakhs)

Name of Scheme	Central/ State/ Sector	Pattern of Sharing Expendi- ture (i.e. 50:50 or 100% etc.)	Seventh plan Outlay (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91	
				1985-86	1986-87	1987-88	1988-89	Appro- ved Outlay	Antici- pated Expendi- ture	Approved outlay	
1	2	3	4	5	6	7	8	9	10	11	
X—INDUSTRY AND MINERALS											
CS.1	10—15% Central Investment Subsidy	Central Sector	100%	300.00	60.00	150.00	150.00	350.00	300.00	300.00	
CS.2	Engineering Entrepreneurs Training Programme (Interest Subsidy)	Do	100%	10.00	2.00	2.00	2.00	2.00	2.00	0.33	—
CS.3	Setting up of Nucleus Cell for updating the census data	Do	100%	23.00	3.81	4.10	5.99	7.65	9.40	11.95	12.00
CS.4	District Industries Centres	C.S.S.	50:50	300.00	53.47	63.28	75.39	79.82	90.00	90.00	100.00
CS.5	Rebate on the sale of Handloom cloth (Marketing Dev. assistance Scheme)	Do	50:50	50.00	6.90	6.00	8.07	—	10.00	9.50	20.00
CS.6	Punjab State Handloom and Textile Development Corporation	Central Sector C.S.S.	100%	175.00	—	—	—	—	—	—	—
CS.7	Incentive for quality certification of S.S.I. Products	C.S.S.	50:50	21.00	2.22	—	—	—	5.00	—	4.00
CS.8	Handloom Census	Central Share	100%	—	—	—	0.51	—	—	—	—
CS.9	Establishment of two growth centres	C.S.S.	1:2	—	—	—	—	—	200.00	20.00	600.00
CS.10	Census of SSI Units	C.S.S.	100%	—	—	—	—	—	—	37.00	20.00
Total				879.00	128.40	225.38	241.96	439.47	616.40	468.78	756.00
XI—EDUCATION											
CS.1	Taking over of NFC Scheme	Central Sector	100%	494.48	84.33	86.31	109.07	161.07	112.46	152.46	152.67
CS.2	Social Education Programme Administrative structure for Adult Education at State Level	„	100%	16.26	—	2.79	2.93	—	8.10	8.10	—
CS.3	Setting up of survey Unit	„	100%	—	—	—	—	—	—	—	—
CS.4	Integrated education for Physically handicapped persons	„	100%	11.39	0.37	0.85	1.04	—	4.40	4.40	—
CS.5	Post literacy follow up under rural functional (Jana Shikshan Nilayams scheme)	„	100%	50.45	4.01	—	8.45	—	46.20	44.64	—
CS.6	Strengthening of administrative structure for implementation of Adult Education programme	„	100%	30.90	—	6.96	—	—	9.60	2.40	—
CS.7	Establishment of district Centres of English at Bathinda	„	100%	15.00	0.38	1.45	1.39	—	3.16	4.00	4.00
CS.8	Computer Literacy and Studies in Schools class Project	„	100%	—	—	2.38	—	—	3.00	3.08	—

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Name of the Scheme	Central/State Sector	Pattern Sharing Expenditure 1985-90 (i.e. 50:50 or 100%)	Seventh Plan Outlay 1985-90	Actual Expenditure				1989-90		Annual Plan 1990-91	
				1985-86	1986-87	1987-88	1988-89	Approved Outlay	Anticipated Expenditure	Approved Outlay	
1	2	3	4	5	6	7	8	9	10	11	
CS.9	Strengthening and Improvement of Primary Education (UNICEF)	Central State	4:1	5.00	—	—	0.80	NR	1.00	1.00	1.00
CS.10	Reimbursement of tuition fees charged from girls to State	Central Sector	100%	—	—	—	—	„	157.00	157.00	70.00
CS.11	Rural functional literacy Programme	„	100%	—	—	—	—	„	139.69	—	—
CS.12	National Merit Scholarships	„	100%	35.00	6.32	6.31	2.00	1.12	1.12	1.12	2.00
CS.13	Scholarships for the study of Hindi in Non-Hindi Speaking areas	„	100%	15.00	0.86	0.86	0.93	0.89	1.50	1.50	1.50
CS.14	National Loan scholarships	„	100%	15.00	0.26	0.29	0.42	0.27	3.00	1.00	3.00
CS.15	Coaching for educational handicapped students belonging to minority communities	„	100%	28.00	—	—	—	NR	5.60	5.60	—
CS.16	Strengthening of sports facilities in Government Colleges	„	100%	97.00	—	—	—	„	21.50	—	—
CS.17	National Services Scheme (NSS)	Central State	7:5	94.80	18.67	24.52	29.28	„	59.68	50.10	65.10
CS.18	State Level NSS Cell	Central Sector	200%	—	—	—	—	„	2.63	3.00	3.00
CS.19	Promotion of Regional Language (Punjab State University Tax Book Board)	„	100%	80.00	4.67	12.76	11.00	„	20.09	20.09	—
CS.20	Setting up of IED Cell at the Headquarter under the integrated Education for Handicapped Children	„	100%	—	—	—	—	„	33.86	33.86	33.86
CS.21	Improvement of Science Education in Schools	„	100%	—	—	—	—	„	350.00	350.00	150.00
CS.22	Provision of TV and Radio-cum-Cassette Player Elementary Schools for educational technology	„	100%	—	—	—	—	„	120.00	120.00	189.00
CS.23	Cash awards for increasing enrolment of girls at elementary level of Education	„	100%	—	—	—	—	„	80.00	—	—
CS.24	Central Financial assistance for the study tours of learners from non-formal Education Centres to their own or the adjoining States in connection with the commemoration of 40th Anniversary of India and the Birth Centenary of Pt. Jawahar Lal Nehru	„	—	—	—	—	—	„	0.25	0.25	—

NR : Not Reported.

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(Rs. in lakhs)

Name of the Scheme	Central/State Sector	Pattern of sharing Expenditure (i.e. 50:50 or 100%)	Seventh Plan Outlay (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay
				1985-86	1986-87	1987-88	1988-89	Approved Outlay	Anticipated Expenditure	
1	2	3	4	5	6	7	8	9	10	11
CS 25 Border Area Development Programme (Education)—	Center Sector	100%	—	—	—	(359.48)	NR	(1072.58)	(1072.58)	(933.47)
(a) Construction of class rooms/libraries/laboratories for 15 school @ Rs. 60,000 per class rooms	..	100%	—	—	—	—	..	—	—	—
(b) Science apparatus @ Rs. 75,000 per Lab. for 10 Labs.	..	100%	—	—	—	—	..	—	—	—
(c) Library Books	..	100%	—	—	—	—	..	—	—	—
(d) Furniture in middle/High/Sr. Sec. Schools	..	100%	—	—	—	—	..	—	—	55.40
(e) Gymnasium Hall @ Rs. 7.00 lakhs for schools	..	100%	—	—	—	—	..	16.00	16.00	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%	—	—	—	—	..	—	—	56.49
(h) District Institution of Education and Training, Ferozepur	..	100%	—	—	—	10.00	..	58.90	58.90	58.90
(i) Non-Formal Education/Adult Education	} ..	100%	—	—	—	—	..	5.00	5.00	30.95
(j) Jana Shikshan Nilayams		..	100%	—	—	—	—	..	2.60	2.60
(k) Youth Development Programme for setting up of one Youth Development Centre	..	100%	—	—	—	—	..	36.64	36.64	36.64
(l) Functional Literacy Programme	..	100%	—	—	—	—	..	—	—	—
(m) Provision of basic facilities in Primary Schools—										
(i) To provide full buildings to 310 Single Room Primary Schools @ Rs. 90,000 each	..	100%	—	—	—	—	..	286.20	286.20	—
(ii) Drinking water facilities in 1500 schools @ Rs. 2500 each	..	100%	—	—	—	—	..	37.50	37.50	—
(iii) Repair of 285 damaged buildings due to heavy flood @ Rs. 30,000 per school	..	100%	—	—	—	—	..	85.50	85.50	—
(iv) Provision of additional Teachers in single Teacher Primary Schools	..	100%	—	—	—	—	..	38.64	38.64	—
(n) Improvement of Middle Schools—										
(i) Construction of 184 class rooms @ Rs. 60,000 each	..	100%	—	—	—	—	..	110.40	110.40	—
(ii) Science Apparatus in 148 Schools @ Rs. 10,000 each	..	100%	—	—	—	—	..	14.80	14.80	—

NR : Not Reported

ANNUAL PLAN 1990-91

STATEMENT-VI

CENTRALLY SPONSORED SCHEMES
HEAD : OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Central/ State Sector	Pattern of sharing Expendi- ture (i.e. 50 : 50 or 100% etc.)	Seventh Plan outlay (1985- 90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Approved Outlay
				1985- 86	1986- 87	1987- 88	1988- 89	Appro- ved Outlay	Antici- pated Expen- diture	
1	2	3	4	5	6	7	8	9	10	11
(iii) School furniture in 149 schools @ Rs. 20,000 each	Centre Sector	100%	—	—	—	—	N.R.	29.60	29.60	—
(iv) Drinking water facilities in 100 schools @Rs. 1000 each	Do	100%	—	—	—	—	—	11.00	11.00	—
(o) Improvement of High Schools, Construction of—										
(i) Science Block	Do	100%	—	—	—	—	—	—	—	418.50
(ii) 120 Library rooms @ Rs. 60,000 each	Do	100%	—	—	—	—	NR	72.00	72.00	—
(iii) 138 Science Labs. @ Rs. 1.20 lakhs	Do	100%	—	—	—	—	Do	165.60	165.60	—
(iv) Drinking water facility in 100 schools @ Rs. 10,000 each	Do	100%	—	—	—	—	Do	10.00	10.00	—
(p) Senior Secondary Schools—										
(i) 12 Library rooms @ Rs. 60,000 each	Do	100%	—	—	—	—	Do	7.20	7.20	125.60
(ii) 15 Science Labs. @ Rs. 1.20 lakhs	Do	100%	—	—	—	—	Do	18.00	18.00	—
(iii) Drinking water facilities in 10 schools Rs. 10000 each	Do	100%	—	—	—	—	Do	1.00	1.00	—
(q) Civil Works and Purchase of science equipment/furniture/library books in 4 colleges of the Border Districts	Do	100%	—	—	—	—	Do	66.00	66.00	—
(r) Over Head Projects	Do	100%	—	—	—	—	—	—	—	38.16
(s) Stipends to talented Students	Do	100%	—	—	—	—	—	—	—	15.32
(t) Commerce Group	Do	100%	—	—	—	—	—	—	—	81.51
CS 26 } National Policy on Education—	Do	100%	—	—	—	—	NR (1265.69)	(1298.67)	(2079.94)	
(i) Provision of an additional Teacher in Single Teacher Primary School	Do	100%	—	—	—	—	Do	92.00	189.38	200.00
(ii) Provision of essential facilities in Government Primary schools @ per school viz. Toys, Maps and Rs. 7215 Books etc.	Do	100%	—	—	—	—	Do	400.00	306.16	343.24
(iii) Teacher education—Establishment of DIETs	Do	100%	—	—	—	—	Do	335.25	335.25	300.00
(iv) Strengthening of Colleges of Teacher Education and Institutes of Advanced studies in education	Do	100%	—	—	—	—	70.45	15.41	44.85	43.00
(v) Setting up of vocational wings at District Directorate and provision of Institutional materials in schools	Do	100%	—	—	—	—	N.R.	423.03	423.03	765.50
(vi) Setting up of inservice Training Orientation centres for Principals/Headmasters and teachers of High/Sr. Sec. Schools	Do	100%	—	—	—	—	Do	—	—	310.00
(vii) In-service Training to Voc. Masters/teachers	Do	100%	—	—	—	—	Do	—	—	20.00
(viii) In-service Training to Librarians/SLA/JLA working in the Schools	Do	100%	—	—	—	—	Do	—	—	2.00
(ix) Environmental orientation to school education	Do	100%	—	—	—	—	—	—	—	3.20
(x) Promotion of yoga	Do	100%	—	—	—	—	—	—	—	3.00
(xi) Construction of additional room for conversion of Primary schools to model school (100 schools)	Do	100%	—	—	—	—	—	—	—	90.00
CS 27 Grant-in-aid to the State Sport Council	Do	100%	—	—	—	—	Do	100.00	140.00	50.00
CS 28 Setting up of Government Polytechnic at Ferozepur	Do	100%	—	—	—	—	Do	200.00	200.00	100.00
Total			988.26	119.87	145.48	593.79	—	3822.11	3674.85	3838.54

NR : Not Reported.

ANNUAL PLAN 1990-91
STATEMENT VI
CENTRALLY SPONSORED SCHEMES
OUTLAY AND EXPENDITURE

(Rs. in lacs)

1	2	3	4	5	6	7	8	9	1989-90		12
									Allocation	Anticipated Expenditure	
Name of the Scheme	Centre/State Sector	Pattern of sharing (i.e. 50 : 50 or 100% etc.)	Seventh Plan Outlay (1985-90)	Annual Expenditure				1989-90	Annual Plan 1990-91 Approved Outlay		
XI RURAL WATER SUPPLY											
	Accelerated Programme for Rural Water Supply (A.R.P.)	100% Centre	100%	4000.00	483.10	727.27	697.45	699.23	800.00	800.00	100.00
	WS-9 UNICEF Aided Water Supply & Sewerage Pilot Project (UBS)	Centre/State									
	UNICEF	.. 40%	}	—	—	—	—	22.74	25.00	25.00	—
	State Government	.. 40%									
	Government of India	.. 20%									
XII URBAN DEVELOPMENT											
	UD-5 Integrated Development Programme of Small & Medium Towns	Centre/State	(50:50)	60.60	45.95	54.63	50.00	89.34	62.00	62.00	75.00
XIII HOUSING											
	House Building Loan to All India Services	..	100.00%	100.00	18.00	5.68	15.00	15.00	15.00	15.00	20.00
XIV SCIENCE & TECHNOLOGY											
	(i) Agro-residue based Power generation	..	.. ..	—	—	—	10.00	—	100.00	100.00	—
	(ii) Setting up IREP cells at State and district level	..	100%	—	—	1.46	5.26	5.40	5.26	5.26	6.40
	Installation of Biogas plants-creation of Bio-gas cell and Installation of Gobar gas plants	Central sector	100% subsidy for installation of Bio-gas plants and staff for six districts	550.00	64.43	46.17	31.00	52.90	100.00	100.00	90.00
POWER											
	1 Renovation & Modernisation of G.N.D.T.P, Bhatinda	State Sector	2232.00	984.00	293.00	285.00	138.00	239.00	137.00	137.00	180.00
		Central Sector	2167.00	2035.00	964.00	648.00	270.00	—	—	—	—

*Central assistance stopped with effect from 1st April, 1988.

ANNUAL PLAN 1990-91

STATEMENT-VI

CENTRALLY SPONSORED SCHEMES

(Rs. in lakhs)

Name of the Scheme	Central/ State sector	Pattern of Sharing Expendi- ture (i.e. 50:50 or 100% etc.)	Seventh Plan outlay (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91	
				1985-86	1986-87	1987- 88	1988- 89	Allo- cation	Antici- pated Ex- pendi- ture	Appro- ved outlay	
1	2	3	4	5	6	7	8	9	10	11	
XVI. TOURISM :											
CS-1	Acquisition and development of land for Yatri Niwas	Central/ State	60:40	24.00	—	—	10.00	5.00	N.A.	N.A.	—
CS-2	Acquisition and development of land for way side amenities	Do	70:30	—	—	—	28.00	N.A.	N.A.	N.A.	46.46
CS-3	Setting up of Hill Resorts in the State	Do	70:30	—	—	—	—	—	—	—	46.46
CS-4	Food craft Institute	Do	50:50	—	—	—	—	—	—	—	20.00
XVII. Medical and Public Health :											
CS-1	National Malaria Eradication Programme (Rural)	Do	50:50	1750.00	—	—	283.13	—	350.00	350.00	—
CS-2	National Malaria eradication Programme (Anti lavel urban)	Do	50:50	250.00	—	—	39.08	—	75.00	75.00	20.00
CS-3	National T.B. Control Programme	Do	50:50	100.00	—	—	35.76	—	37.00	37.00	22.00
CS-4	Training and Employment of Multi-purpose Workers Scheme	Do	50:50	132.00	—	—	1.37	—	30.00	30.00	—
CS-5	Provision of additional Laboratory Technicians at each d.H.C.	Do	50:50	601.00	—	—	5.67	—	15.00	15.00	—
CS-6	Continuing Education of FHC, RHS (50% recurring expenditure)	Do	50:50	25.00	—	—	0.52	—	6.00	6.00	6.00
CS-7	National Leprosy Control Programme	Do	100%	30.00	—	—	5.76	—	19.70	19.70	4.00
CS-8	National Programme for the control of blindness	Do	100%	120.45	—	—	19.65	—	25.00	25.00	10.00
CS-9	Family Welfare Programme	Do	100%	9224.54	—	—	1103.59	—	1837.00	1837.00	—
	(i) Direction and Administration	Do	100%	—	—	—	—	—	125.00	125.00	27.00
	(ii) Revamping of organisation services	Do	100%	—	—	—	—	—	1.70	1.70	—
	(2) Rural Family Welfare Services—										
	(i) Rural Family Welfare Services	Do	100%	—	—	—	—	—	600.00	600.00	75.00
	(ii) Renovation of I.U.D. room into operation theatre	Do	100%	—	—	—	—	—	2.52	2.52	9.80
	(3) Urban Family Welfare Services—										
	(i) Urban Family Welfare Services	Do	100%	—	—	—	—	—	49.10	49.10	12.00
	(ii) Revamping of organisation of services of delivery	Do	100%	—	—	—	—	—	95.41	95.41	2691.20

ANNUAL PLAN 1990-91
STATEMENT VI
CENTRALLY SPONSORED SCHEMES
OUTLAY AND EXPENDITURE

Ministry of Education
Department of Education
178, Nizam Road, Hyderabad-500011
DOC. No.

(Rs. in lakhs)

Name of the Scheme	Centre/ State/ Sector	Pattern of sharing expenditure (i.e. 50 : 50 or 100% etc.)	Seventh Plan Outlay (1985-90)	Annual Expenditure				1989-90		Annual Plan 1990-91 Approved POutlay	
				1985- 86	1986- 87	1987- 88	1988- 89	Allocation	Anticip- ated Expen- diture		
1	2	3	4	5	6	7	8	9	10	11	
VIII—WELFARE OF SCHEDULED CASTES, SCHEDULED TRIBES AND OTHER BACKWARD CLASSES											
CS-1	Grants for purchase of Medical and Engg. Books	Centre/ State	(50 : 50)	10.00	1.55	1.94	0.26	1.98	2.00	2.00	
CS-2	Coaching and allied Schemes (a) Coaching for IAS/PCS & allied Services/LIC/Banking Services	Centre/ State	(100%)	25.00	—	—	—	—	5.00	5.00	—
	(c) Construction of Residential Institute	Centre/ State	(50 : 50)	35.00	—	2.00	—	2.09	9.00	5.00	7.00
CS-3	Hostel for Boys Girls in Schools & Colleges	Centre/ State	(50 : 50)	3.00	0.60	1.00	1.00	1.00	1.00	1.00	1.50 District Plan
CS-4	Pre-matric Scholarships to students of those engaged in unclean occupation	Centre/ State	(50 : 50)	250.00	—	—	14.11	1.43	42.00	12.00	63.00 District Plan
CS-5	Opportunity Cost for girls Primary students of those engaged in unclean occupations	Centre/ State	(50 : 50)	374.00	—	—	—	—	—	—	—
CS-6	Grants-in-aid to PSCLDC for purchase of Agri. and, financing of transport vehicles, setting up of subsidiary Co. to undertake device ways and measures to improve economic lot of leather Artisan and matching assistance for staff and promotional Activities	Centre/ State	(51 : 49)	245.00	24.50	49.00	37.50	43.50	49.00	49.00	147.00
CS-7	Programme for implementation of PCR Act, 1955— (a) Removal of untouchability (b) Liberation of Scavengers	Centre/ State Centre/ State	(50 : 50) (50 : 50)	10.00 —	2.00 —	— —	3.34 —	5.00 34.22	5.00 68.00	5.00 —	6.00 82.00 District Plan
CS-8	Post-matric Scholarships to S.C. Students	Centre/ State	(100%)	400.00	30.00	30.00	30.00	30.00	30.00	30.00	—
Total				1552.00	56.65	85.94	86.25	119.22	211.00	109.92	306.50
XIX SOCIAL WELFARE											
CS-1	Services for Children in need of Care and Protection	Centre/ State	(45 : 45)	3.00	—	—	—	—	0.60	0.60	—
CS-2	Share Capital Contribution to PUNWAC	Centre/ State	(51 : 49)	—	—	—	—	—	12.49	12.49	39.20
CS-3	Enforcement of Juvenile Justice Act, 1986	Centre/ State	(50 : 50)	—	—	—	—	6.89	10.00	10.00	25.00
CS-4	Scholarships to the Handicapped	Centre/ State	(100%)	—	—	—	0.29	0.80	1.00	1.00	—
CS-5	Petrol Subsidy to Physically Handicapped	Centre/ State	(100%)	—	—	—	0.02	0.02	0.15	0.15	—
Total				3.00	—	—	0.31	7.71	24.24	24.24	64.20

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**ANNUAL PLAN 1990-91
STATEMENT IV
CENTRALLY SPONSORED SCHEMES
OUTLAY AND EXPENDITURE**

(Rs. in lakhs)

Name of the Scheme	Centre/ State Sector	Pattern of sharing expend. (i.e. 50 : 50 100% etc.)	Seventh Plan (1985-90)	Actual Expenditure				1989-90		Annual Plan 1990-91 Proposed Outlay	
				1985- 86	1986- 87	1987- 88	1988- 89	Allo- cation	Antici- pated Expend.		
1	2	3	4	5	6	7	8	9	10	11	
OUT OF SPECIAL CENTRAL ASSISTANCE											
CS-1	Scheme for providing Capital Subsidy to the beneficiaries through PUNWAC	.. Centre	(100%)	150.00	40.00	36.05	60.00	60.00	72.00	72.00	30.00
CS-2	Setting up of Training Centres for Handicrafts viz. Knitting, Stitching, Embroidary for women belonging to S.C.	.. Centre	(100%)	158.32	15.20	—	15.20	14.54	14.54	14.54	15.00
	Total	..	—	308.32	55.20	36.05	75.20	74.54	74.54	74.54	45.00
XX DEFENCE SERVICES WELFARE											
S-1	Introduction of PEXSEM (Preparation Ex-Servicemen for Self-employment) Scheme for retired Defence Personnel	.. Centre/ State	(50 : 50)	7.00	7.00	7.00	7.00	7.00	7.00	7.00	—
	Total	..	—	7.00	7.00	7.00	7.00	7.00	7.00	7.00	—
XXI LABOUR AND LABOUR WELFARE											
CS-1	Upgradation of State Government I.T.I.'s for improving the quality of training (Replacement of machinery)	.. Centre/ State	(50 : 50)	—	—	—	—	80.94	126.68	106.68	117.00
	(ii) Establishment of Project Management at State Level	.. Centre/ State	(50 : 50)	—	—	—	—	2.82	2.82	—	3.00
	(iii) Introduction of New Trader in Existing Women ITI's	.. Centre/ State	(50 : 50)	—	—	—	—	8.50	8.50	—	17.00
	(iv) Setting up of Related Instruction Centre	.. Centre/ State	(50:50)	—	—	—	—	—	—	—	4.85
	(v) Introduction of A.V. Aid	.. Do	(50:50)	—	—	—	—	—	—	—	16.25
	(iv) Setting up of Basic Trg. Centre	.. Do	(50:50)	—	—	—	—	—	—	—	2.50
	(vii) Expansion of ITI by Introducing Addl. Seats	.. Do	(50:50)	—	—	—	—	—	—	—	45.90
	(viii) Provision of A. V. Aids	.. Do	(50:50)	—	—	—	—	—	—	—	12.00
	(ix) Estt. of Equipment maintenance system	.. Do	(50:50)	—	—	—	—	—	—	—	8.35
	(x) Introduction Post skill Development courses	.. Do	(50:50)	—	—	—	—	—	—	—	3.15
	(xi) Setting up of Five new I.T.I.s for Girls	.. Do	(50:50)	—	—	—	—	—	—	—	—
CS-2	Setting up of 5 Industrial Schools for Girls World Bank	.. Centre State	(50 : 50)	—	—	—	—	—	—	—	50.00 District Plan
CS-5	Improvement of Infrastructural facilities and construction of Institution building and Hostel for Craftsmen Training Institute at Ajnala and consolidation of ITI's/ Government Industrial Schools for girls under 100% Centrally Sponsored-Border Area Development Programme	.. Centre/ State	(100%)	—	—	—	—	100.00	100.00	128.00	350.00
	Total	..	—	—	—	—	—	180.94	238.00	244.78	630.00

ANNUAL PLAN 1990-91
STATEMENT VI
CENTRALLY SPONSORED SCHEMES
OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of Scheme	Central/ State Sector	Pattern of Sharing Expendi- ture (i.e. 50 : 50 or 100% etc.)	Seventh Plan Outlay (1985- 90)	Actual Expenditure				19 89-90		Annual Plan 1990-91 Proposed Outlay
				1985-86	1986-87	1987-88	1988-89	Allo- cation	Antici- pated Expendi- ture	
1	2	3	4	5	6	7	8	9	10	11
XXII OTHER ADMINISTRATIVE INSTITUTE										
CS-1	Assistance to State Training Institute in District Planning	.. Centre/ State	(50 : 50)	—	—	—	—	—	—	4.00
	Total	..		—	—	—	—	—	—	4.00
(xxiii) Secretariat Economic Services										
P.M. 1.3	(ii) Consultancy and Technical Services on Pilot Basis—Formulation of District Plan on Pilot basis									
CS-1	Formulation of Draft Plans on Pilot Basis	(Centre/ State)	50:50	—	—	—	0.70	1.00	0.30	—
P. M. 1.8	Creation of Special Component Plan Division in Punjab State Planning Board	Central	100%	—	—	—	—	—	—	6.00
P. M. 1.9	Funding for comprehensive inte- grated and commercially viable new Programmes/new schemes to be formulated by the various departments.	Centre	100%	—	—	—	—	—	—	44.00
	Total	..		—	—	—	0.70	1.00	0.30	50.00

Sd/- National Institute of
 Planning
 Director
 D-6055
 20/6/91