



SEVENTH FIVE YEAR PLAN
1985—90
ANNUAL PLAN
1985-86

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Government of Punjab
Department of Planning

**SEVENTH FIVE-YEAR PLAN
1985—90**

**ANNUAL PLAN
1985-86**



**PLANNING DEPARTMENT
PUNJAB**

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CHAPTER I

APPROACH TO THE SEVENTH FIVE YEAR PLAN

PLAN OF MODERNISATION AND CONSOLIDATION.

Before undertaking preparation of the Seventh Five year Plan, an exercise was conducted in the State as early as April, 1984 to identify the deficiencies which had accumulated upto the end of the Sixth Five Year Plan, while implementing various plan schemes, so that these deficiencies could be provided for systematically in the Seventh Plan. The main purpose of this exercise was to ensure that before embarking on new projects, a conscientious effort is made to consolidate the assets created so far. While this exercise was being carried out, the Approach to the Seventh Five Year Plan, as prepared by the Planning Commission, Government of India, was received in the State. Based on the facts revealed by the exercise, the comments of the State Government on the Approach to the Seventh Plan were contained in the speech of the Governor Punjab delivered in the meeting of the National Development Council held on 12/13th July, 1984. Appreciating suggestions made by the Punjab and some other States in this meeting, the Government of India set up two expert committees to (i) consider the question of provision for maintenance of assets as plan outlay and (ii) the role of centrally sponsored programmes and schemes in the Seventh Plan. The report of these committees is yet awaited and hence the proposals made for the next Five

Year Plan may be subject to modifications in the light of their recommendations.

1.2. The Seventh Five Year Plan for Punjab has been prepared keeping in mind the objective outlined in the Approach to the Seventh Plan as also the deficiencies identified as a result of the exercise mentioned earlier. The emphasis laid by the Prime Minister on the need for improvement in productivity, absorption of modern technology and fuller utilisation of capacity as well as the importance given to various programmes such as afforestation, re-organisation of vocational education and other aspects of development have given a fresh impetus to the efforts of the State in its march towards development on all sectors of the economy in order to ensure growth with justice. These ideals have been incorporated in the Seventh Five year Plan.

SIZE

1.3. Keeping in view these objectives and also the present inflationary trend, the size of the Seventh Plan for Punjab has been finalised at Rs. 3285 crores which is an increase of 67.86% over the Sixth Plan size of Rs. 1957 crores. The approved outlays of the previous Five Year Plans also indicate that this percentage increase is in order. The table indicating the Five Year Plan outlays of the State as well as of Government of India and the percentage increase over the previous plan outlays is given below:—

Serial No.	Plan	State Plan outlay/Expen- diture (Rs. in crores)	Percentage increase	Total plan outlay of India (Rs. in crores)	Percentage increase
1	2	3	4	5	6
1	First Plan (1951—56)	163.00*	—	2069	—
2	Second Plan (1956—61)	151.43*	(—) 7.10	5600	170.66
3	Third Plan (1961—65)	256.23*	67.98	10400	85.71
4	Three Annual Plans (1966—69)	421.85	—	6756	—
5	Fourth Plan (1969—74)	428.47	68.54	24398	134.60
6	Fifth Plan (1974—79)	940.51	119.50	53411 (1974—78)	118.92
7	Sixth Plan (1978—83)	1585.00	68.53	69380	29.90
8	Sixth Plan (1980—85)	1957.00	108.08	97500	40.53
9	Seventh Plan (1985—90)	3285.00	67.86	180000	84.62

*Relates to erstwhile Punjab.

AGRICULTURE

1.4. In the agriculture sector, marked development has already been achieved with the result that the State is largest single contributor to the Central food-grain pool. 60.1% of wheat and 50.3% of rice in this pool is contributed by Punjab. The agricultural practices in the State are already highly developed and water resources of the State are also fully utilised. The scope of increasing agricultural production in well developed areas is limited. 84% of the geographical area of Punjab is already under cultivation. The main thrust in agriculture, in order to achieve the targetted rate of 4% would, therefore, now be in the field of reclamation of alkaline land, dry land farming, control of weeds and pests, diversification of agriculture by encouraging horticulture and sugarcane production etc. Special attention will be paid to the adequate production and marketing of quality seed to bring it within the means of farmers and also to persuade the farmers to switch over to certified seeds since the high yielding variety technology rests on the periodic replacement of seed. Furthermore, since the requirement of various plant nutrients by high yielding varieties is almost double than the traditional varieties, the intensity of agriculture has resulted in serious micro-nutrient deficiencies in certain pockets. Making up the micro-nutrient deficiencies will, therefore, play a vital role in increasing food production in future decades. Hence important programmes for setting up of micro-nutrient laboratories and production of micro-nutrients have been taken up in the Seventh Plan.

IRRIGATION

1.5. In the irrigation sector, the first priority is being given to the completion of on-going irrigation projects which are in an advanced stage of completion and are capable of yielding full or partial benefits during the Seventh Plan. The emphasis will be on modernisation of the existing irrigation system by conservation of water through lining of channels, re-modelling of certain old canals now in disuse and improving the regulation of water supply through efficient wireless system. New irrigation projects will be restricted to medium irrigation projects in backward and sub-montane areas. In fact, the most significant addition of new projects is in the backward and sub-montane area of Kandi, hitherto neglected. Full provisioning as per World Bank agreement has been made for completion of phase I of the project and adequate provision has been made for taking up phase II since without this the work of reducing original imbalances will be incomplete. Another important on going project to which enhanced allocation has been made is for the development of the water-logged south western backward districts of the State. This is essential if the existing road network and capital investment in the area is to be preserved. It is also essential to lower the water table in this region to prevent damage to crops.

POWER

1.6. Power is the basic infra-structure for both agriculture and industry and it will, therefore, continue to be given high priority in the Plan. It is expected that an additional installed capacity of 768 MW would be added to the power system during the Seventh Plan with the completion of two major projects and some micro-hydel schemes. Besides this, due attention will be paid to prepare a base for the Eighth Plan.

INDUSTRIES

1.7. A new Industrial Policy for the State is on the anvil to provide for an integrated development of the border areas and also to relieve the pressure on land and provide job opportunities to the educated unemployed youth. The main thrust will be to :

- (i) diversify industrialisation in the State and utilise raw material locally available;
- (ii) to promote rural industries;
- (iii) to enlarge the scope of incentives already being provided to industrialists in this border State; and
- (iv) to encourage establishment of small-scale units in order to tackle the problem of unemployment among the educated unemployed especially in the rural areas.

1.8. Another step in this direction is to increase the facilities available for training relevant to job opportunities. Major step up has been provided for Technical Education to set up one Regional Engineering College, two State Engineering Colleges and to modernise existing polytechnics and ITIs as well as to set up a new Polytechnic, replace obsolete machinery and diversify the training courses being conducted. Besides this, a much greater role is expected to be played by the State Agro Industries Corporation in acting as a catalyst for promotion of Agro-Industries for which raw material is locally available.

SOCIAL SERVICES

Education

1.9. Due attention is also being paid to the Social Services Sectors in order to provide basic facilities to the people. The detailed exercise conducted has revealed certain basic deficiencies in these sectors especially in Education, Public Health and Sanitation. The emphasis on education will not be on expansion but rather on consolidation and qualitative improvement. The supervision net work would be strengthened and acute deficiencies such as of drinking water and toilet facilities, furniture and blackboards are being provided for at the primary level. At the secondary stage priority is being given to providing Science Rooms, Science Laboratories and Science Apparatus to facilitate the introduction of the 10+2 System. To strengthen, the National Integration a Zonal cultural centre at Patiala will be set up.

Public Health and Sanitation :

1.10. Under Public Health and Sanitation, adequate outlays are being provided for purchasing essential machinery and equipment, replacement of obsolete equipment and for the completion of spill-over work so that the investment already made can be utilised in an optimal manner. To improve the quality of medical sciences to the rural area 200 new PHC will be set up. For the Faridkot Medical College, though the total requirement of the project is very large, provisions are being made at this stage only for making it functional and fulfilling the basic requirements needed for recognition by the Medical Council of India.

Poverty alleviation:

1.11. Special attention will continue to be given to the programme for the welfare of the economically weaker sections of the society, especially the scheduled castes. With the help of a comprehensive survey, each house-hold below the poverty line has been identified and issued a Yellow Card. This enables the card holders to receive free medical aid, subsidised consumer articles and other assistance without difficulty. Tie-up arrangements have been made with the Banks for implementing income generating schemes for their benefits. In a unique gesture to these card holders, the State Government has taken the entire burden of interest payable by them to the Banks. This is in addition to the capital subsidy available under various programmes for poverty alleviation like IRD.

Improvement in rural life :

1.12. To improve the quality of rural life the problem of village sanitation is to be tackled in right earnest. Emphasis is being laid on the pavement of streets and disposal of sullage water. Afforestation of community lands is being taken up in a big way and 20% of the finance under NREP are being earmarked for this purpose, as against 10% earlier. Every effort will be made to solve the problem of providing water supply in the problem villages. However, the formula for grant of assistance under the ARP will need revision to equally encourage all States to spend more on this programme.

TASK FORCE

1.13. In order to implement the recommendations of the High Level Committee on Punjab Administration concerning the problem of unemployment among educated youth in Punjab, a Committee has been constituted under the Chairmanship of Chief Secretary to Government, Punjab. This Committee has set up a local task force to consider short-term measures and suggest specific schemes for implementation in this direction. The Planning Commission, Government of India, has also been urged to set up a task force at the National level for suggesting long-term measures to tackle the issue of unemployment on an enduring basis.

SCIENCE AND TECHNOLOGY AND ENVIRONMENTAL IMPROVEMENT

1.14. Realising the important role of Science and Technology in achieving the objectives of improvement in productivity and absorption of modern technology, outlay to this sector has been sharply stepped up in the Seventh Plan to ensure that Science and Technology component should become an integral part of every productive sector of the economy.

1.15. A State Council for Science and Technology has already been established in the State for laying down Science and Technology policy, advising, planning and co-ordinating activities in this field within the State. Research and development efforts in various sectors of economy are being sharply stepped up and about Rs. 4.90 crores will be spent during the Seventh Plan on basic research in the field of renewable sources of energy and harnessing it for productive purposes.

1.16. Environmental programmes have been given due recognition and projects have been taken up for prevention of air and water pollution, for the restoration of ecological balance through afforestation and for reclamation of non-cultivable waste land. By channelising the Sutlej-Beas River bed, a sizeable area will be reclaimed which will be used for fodder and fuel wood plantation. To improve the rural environment, large scale programmes of pavement of streets and construction of drains and disposal of sullage will be implemented.

1.17. In the spirit of decentralisation of plan activities to the district and local levels, financial support is being provided to District Environment Committees for the implementation of the programme leading to improvement of environments at the district level.

TRAINING AND MODERNISATION

1.18. The plan components relating to training and modernisation have been stepped up in the various major sectors. It is proposed to provide computers for efficient functioning in certain departments like Transport, Education and the Economic and Statistical Organisation. The training of civil servants of all categories has been adequately provided for in sectors like Education, Agriculture, Animal Husbandry, Rural Development, etc. Another area of major thrust would be strengthening of the State Institute of Public Administration to make it a full-fledged Apex Training Institute to provide qualitative training relevant to developing greater competence and skills required to face the complex challenges of modern administration.

CHAPTER II

FINANCIAL RESOURCES

Sixth Five Year Plan (1980—85)

The State's Sixth Five Year Plan (1980—85) was approved by the Planning Commission at Rs. 1,957.00 crores, but due to severe constraint on resources the outlay for the final year (1984-85) of the plan was kept at previous year's level of Rs. 440.00 crores. The expenditure for the Sixth Five Year Plan was Rs. 1,885.96 crores. There was thus shortfall of Rs. 71.04 crores in the total plan expenditure as compared to the approved outlay for the Sixth Five Year Plan. The table below indicates yearwise approved outlay and actual expenditure during the Sixth Five Year Plan.

Year	Approved outlay (Rs. crores)	Actual Expenditure (Rs. crores)
1980-81	300.00	299.44
1981-82	340.40	344.65
1982-83	385.00	385.00
1983-84	440.00	429.47
1984-85	440.00	427.40
Total	1,905.40	1,885.96

Seventh Five Year Plan (1985—90)

2.2 The resources for the Seventh Five Year Plan (1985—90) of the State were estimated by the Planning Commission at Rs. 3,285.00 crores after adjusting overdraft of Rs. 78.19 crores as on 31st March, 1985. This includes Additional Resource Mobilisation of the order of Rs. 2,000.00 crores. It was felt that ARM of this magnitude was feasible in view of losses being incurred by the State Electricity Board, State Road Transport Corporation and Irrigation projects. The size of the Seventh Five Year Plan was, therefore, fixed at Rs. 3,285.00 crores to be commensurate with the resources. The financing pattern of the plan is summarised below and resources profile in detail is given in the Annexure.

Sr.No.	Item	Amount (Rs. in crores)
1	State's own resources (after adjusting overdraft of Rs. 78.19 crores as on 31st March, 1985)	818.07
2	Additional Resource Mobilisation	2,000.00
3	Central Assistance (after adjustment of relief assistance of Rs. 0.80 crore)	466.93
Total		3,285.00

Annual Plan 1985-86

2.3 The resources for the Annual Plan 1985-86 were worked out at Rs. 500.00 crores including ARM of Rs. 100.00 crores. A sum of Rs. 7.80 crores has been adjusted in 1985-86 out of the total overdraft of Rs. 78.19 crores as on 31st March, 1985 and the balance amount will be rolled over to the remaining years of the Seventh Five Year Plan. Keeping in view the availability of resources the size of the Annual Plan was approved by the Planning Commission at Rs. 500.00 crores. The pattern for financing the Annual Plan of the State is set out in the Annexure. The summary position is given in the following table :—

Sr.No.	Item	Amount (Rs. in crores)
1	State's own resources (after adjusting overdraft of Rs. 7.80 crores)	202.86
2	Additional Resource Mobilisation	100.00
3	Central Assistance (after adjustment of relief assist- ance of Rs. 0.80 crore)	197.14
Total		500.00

ANNEXURE

Scheme of Financing Seventh Five Year Plan
(1985—90) and Annual Plan 1985-86

(Rs. in crores)

Items	Seventh Five Year Plan (1985—90)	Annual Plan (1985-86)	1	2	3
	1	2	1	2	3
I. State's budgetary resources other than negotiated loans and State enterprises market borrowings :—					
1. Balance from current Revenue (at 1984-85 rates of taxation)	79.62	8.52			
2. Contribution of public enterprises (at 1984-85 fares and tariffs)					
(a) State Electricity Board	(—)146.04	(—)12.53			
(b) Road Transport Corporation	(—)82.54	(—)12.29			
(c) Others	—	—			
Total(a+b+c)	(—)228.58	(—)24.82			
3. Loans from market (Net)	195.67	32.05			
4. Share of Small Savings	310.25	55.00			
5. State Provident Fund	77.90	12.80			
6. Misc. Capital Receipts (Net)	264.03	91.47			
Total : I	698.89	175.02			
II. Additional Resource Mobilisation				2,000.00	100.00
III. Negotiated Loans(Gross) :—					
(a) Loans from LIC/GIC				91.24	14.95
(b) Loans from RBI/NABARD				20.70	3.40
(c) Loans from REC				40.00	8.00
(d) Loans from IDBI				45.43	9.29
Total(a+b+c+d)				197.37	35.64
IV. State's Total Resources (I to III)				2,896.26	310.66
V. Less : Repayment of overdraft as on 31st March, 1985				(—)78.19	(—)7.80
VI. State's Total Resources (Net) (IV—V)				2,818.07	302.86
VII. Central Assistance—					
(a) Normal Assistance					83.59
(b) For externally Aided projects				467.73	14.35
(c) Special Central Assistance					100.00
(d) Less : Repayment of Advance Plan Assistance for relief works				(—)0.80	(—)0.80
Total : VII				466.93	197.14
VIII. Aggregate Resources (VI+VII)				3,285.00	500.00

CHAPTER III

AGRICULTURE AND RURAL DEVELOPMENT (I)

Agriculture and allied activities form the most important sector of the State's economy with over 56 per cent of its share in the total State Income (GDP) and over 80 per cent of the population depending upon this sector; the socio-economic development of the State and standard of living of the people, especially in rural areas, hinges mainly on the accelerated development of this sector. Punjab has now entered a new phase where intensive exploitation of land and water resources through multiple cropping has changed the total eco-system and has created over-dependence on a few crops like wheat and rice. Besides, agriculture has been confronted with some problems like that of rising pests/insects population, increasing incidence of weeds, depleting soil fertility, inadequate supply of vital agricultural inputs, like seeds and fertilizers, micro-nutrient deficiencies in the soil and shrinking size of operational holdings.

Objective and Strategy for the Seventh Five-Year Plan :

3.2 The strategy envisaged for the fulfilment of the production targets during the Seventh Plan period is as under :—

- (i) enlarged certified seed supply programme ;
- (ii) coverage of maximum area with timely sowing by regulating availability of essential inputs in time ;
- (iii) control of weeds and pests ;

- (iv) introduction of disease-resistant varieties ;
- (v) carry out massive land reclamation programme ;
- (vi) balanced efficient and economic use of fertilizers including micro-nutrients ;
- (vii) assist common farmers of cotton growing areas of the State by laying more emphasis on ground/aerial spraying ;
- (viii) dry land farming ;
- (ix) diversification of Agriculture by a greater emphasis on cultivation of pulses, oil seeds, sugarcane etc.; and
- (x) to give a desired push for the cultivation of various types of fruits suited for different regions depending upon the climatic conditions of the area.

Land utilisation :

3.3 Over 83% of the State's geographical area is under cultivation as compared to national average of 42%. There is now very little scope for horizontal increase in cultivated area and there is no option but to resort to intensive cultivation as a means of increasing agricultural production in the State. The comparative statement of land utilisation for the last few years in Punjab is as under :—

TABLE 3-1: Land Utilisation in Punjab

	(000 hectares)				
Item	1979-80	1980-81	1981-82	1982-83	1983-84
1	2	3	4	5	6
Geographical Area	.. 5036	5036	5036	5036	5036
Reported Area	.. 5033	5033	5033	5033	5033
Forests	.. 217	220	213	225	222
Land not available for cultivation	.. 531	529	529	521	526
Other uncultivated lands excluding fallow lands	.. 52	48	45	45	41
Current fallow lands	.. 51	45	36	38	32
Net cultivated area	.. 4182	4191	4210	4204	4212
Percentage of Reported Area	.. 83	83	84	84	84
Gross cropped Area	.. 6535	6763	6929	6915	6978
Cropping Intensity	.. 156.3	161.4	164.6	164.8	165.6

Yield :

3.4 Traditionally Punjab was known to be an important wheat growing State, but now it has also

emerged a major rice surplus state and yield of wheat and rice are the highest in the country. Yield of various crops in Punjab is given as under ;—

TABLE 3-2 : Yield of different crops in Punjab

(Kg./ha.)

Crop	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85		
	Actuals	Actuals	Estimates (P)	Estimates (P)	Estimates	Targets	Anticipated Achievement	
	1	2	3	4	5	6	7	8
Rice	..	2604	2733	2955	3144	3063	3100	3074
Jowar	..	649	739	760	929	1100	1000	1000
Bajra	..	1032	1244	1013	1198	1227	1250	985
Maize	..	1723	1602	1838	1778	1830	2000	1899
Wheat	..	2797	2730	2932	3007	3015	3000	3285
Barley	..	1546	1640	2002	1575	1568	1570	NA
Gram	..	687	582	473	504	595	935	NA
Sugarcane(Gur)	..	5099	5526	5779	6098	6580	6000	6226
Cotton (cleaned)	..	326	328	316	286	185*	—	425

*This shortfall is due to severe attack of Ball-worm on cotton crop.

Crop Production :

3.5. Agricultural production in the State has reached a new record level particularly in the production of wheat and rice.

As a result of this, the State is the largest single contributor to the central rice and wheat pool. The envisaged growth in the output of principal crops is as under :—

TABLE 3-3 : Output of Principal crops in Punjab

Item	Unit	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85		1985-86	1989-90
		Achievement	Achievement	Achievement	Achievement	Anticipated Achievement	Targets	Anticipated Achievement	Targets	Targets
1	2	3	4	5	6	7	8	9	10	11
Wheat	.. 000 tonnes	7868	7677	8544	9169	9416	9300	10183	9700	10500
Rice	.. Do	3052	3233	3750	4156	4539	4600	5057	4850	5500
Maize	.. Do	677	612	625	548	536	580	575	640	740
Bajra	.. Do	47	86	61	50	55	60	61	60	60
Barley	.. Do	73	108	176	128	94	110	88	75	100
Other cereals (Jowar)	Do	1	1	1	4	2	—	1	—	—
Total Cereals	.. Do	11718	11717	13157	14055	14642	14650	15965	15325	16900
Gram	.. Do	157	150	114	63	58	100	61	110	90
Other Pulses	.. Do	31	54	47	57	78	90	101	65	110
Total Pulses	.. Do	188	204	161	120	136	190	162	175	200
Total Foodgrains	.. Do	11906	11921	13318	14175	14778	14840	16127	15500	17100
Groundnuts	.. Do	81	104	92	61	42	60	45	50	70
Other Oilseeds	.. Do	76	83	81	78	76	90	146	98	130
Total oilseeds	.. Do	157	187	173	139	118	150	191	148	200
Sugarcane (Gur)	.. Do	393	392	601	628	553	600	498	650	750
Cotton	.. 000 bales	1207	1178	1275	1218	707	1300	1238	1250	1400

3.6. Crop production especially of wheat and rice has increased to a record level. The total foodgrain production which was 119.21 lakh tonnes in 1980-81 is expected to reach a record level of 161.27 lakh tonnes during 1984-85. The major addition came from wheat and rice. The anticipated production of wheat during 1984-85 is 101.83 lakh tonnes as against 76.77 lakh tonnes during 1980-81. Similarly production of rice during 1984-85 is expected to be of the order of 50.57 lakh tonnes as against 32.33 lakh tonnes during 1980-81. The target of wheat production for the Annual Plan 1985-86 and Seventh Plan has been set at 97.00 lakh tonnes and 105.00 lakhs tonnes respectively and that of rice 48.50 lakh tonnes and 55.00 lakh tonnes respectively for 1985-86 and the Seventh Plan. The target of total foodgrains production for 1985-86 has been set at 155.00 lakh tonnes while the target for Seventh Five Year Plan has been fixed at 171.00 lakh tonnes. Maize is not major crop of the State and has not shown a stable trend.

3.7. Efforts are being made to increase the level of production of cotton, pulses and oil seeds, cotton production which was 11.78 lakh bales during 1980-81 rose to 12.18 lakh bales during 1982-83 but due to sudden attack of Heliothis Armigera disease on cotton crop its production came down to 7.07 lakh bales during 1983-84. But all out efforts were made to revive the crop and its production during 1984-85 is expected to reach a level of 12.38 lakh bales. The target of production for 1985-86 and Seventh Plan has been set at 12.50 lakh bales and 14.00 lakh bales respectively. The production of oil seeds is expected to be of the order of 1.91 lakh tonnes in 1984-85 as against the anticipated production of 1.18 lakh tonnes during 1983-84 and 1.39 lakh tonnes during 1982-83. Production of pulses has not shown a stable trend. Pulses are mainly sown in rainfed area and the production fluctuates with the weather condition.

AGRICULTURE

3.8. An outlay of Rs. 2,147.00 lacs has been provided for the sub-head of development 'Agriculture' for the year 1985-86 as against the expenditure of Rs. 1906.09 lacs during 1984-85. The provision for Seventh Plan is placed at Rs. 1,4975.00 lacs as against an expenditure of Rs. 8,323.32 lacs anticipated during Sixth Plan period.

A brief profile of the programmes/schemes under this sub-head is given below :—

Research, Education, Extension and Training :

3.9. The Punjab Agricultural University established on 17th October, 1962, has become a temple of learning for the farmers. It is now widely recognised that this institution has played a key role in bringing about and sustaining the Green Revolution that has made Punjab the granary of India. The plan includes a comprehensive programme of agricultural research, education, extension and training to be undertaken by P.A.U. It also undertakes programmes of disseminating information regarding

various aspects of farm practices. High priority has been accorded to the Research Programmes to be undertaken by P.A.U. The main thrust during Seventh Five-Year Plan will be on developing new high yielding improved varieties, resistant to pests and diseases, improving nutrient management through increased emphasis on input use efficiency and micro-nutrients, soil testing, bio-fertilizers and weed control, and improving dry farming technology with emphasis on crop sequences.

3.10. Specific priorities and thrust areas have been identified separately under agricultural research, education and extension. The research programmes have been identified for crop improvement, crop production, soil fertility and water management, pest control, agricultural engineering, fisheries, agro-forestry, agro-meteorology, home science etc. Use of modern biotechnology such as, a tissue culture and genetic engineering would be employed to develop long-term programmes for crop improvement. Suitable programmes have been planned for improvement of vegetable and horticultural crops. Research on water management for irrigated as well as rainfed areas will be intensified to develop suitable water use technology for exploiting the available resources judiciously. Work on agro-forestry and agrometeorology would be strengthened. Development of appropriate engineering technologies, improved farm machinery and energy management in agriculture would be given due emphasis.

3.11. The Seventh Plan outlay has been enhanced to Rs. 14.00 crores from Rs. 10.00 crores provided in the Sixth Plan. Besides this, schemes in operation for more than 10 years costing above Rs. 1.00 crore have been transferred to Non-Plan as committed expenditure. This includes a provision of Rs. 121.80 lacs and Rs. 23.77 lacs provided for Seventh Plan and Annual Plan respectively for the P.A.U. component of Kandi Watershed and Area Development Project. Provision has also been made for the setting up three Micro-Nutrient Laboratories one each at Divisional level which will besides providing service to the farmers would also undertake research work in this regard. The total outlay for 1985-86 is Rs. 250.00 lacs of which about Rs. 100.00 lacs have been provided to initiate new schemes.

Direction and Administration :

3.12. There are three schemes under this programme. The scheme A(P)3.1 "Reorganisation of Agriculture Department" is a continuing staff scheme and aims at posting Agricultural Inspectors at the focal points (not covered under IRDP) and Class II Officers at block level. Some of these officers have been allotted 2 blocks with Head quarters at one place. These officers control all the activities relating to the Agriculture Department under the overall charge of Chief Agriculture Officers. Another new scheme namely "Strengthening of Agricultural Extension Administration", popularly known as "T & V"

has been included in the Seventh Five Year Plan. The object of this scheme is to reorganise the Agriculture Department enabling it to convey the day to day changing technology at the door step of the farmers to increase the agricultural production. An agricultural Inspector will be the primary worker for a group of 800 farming families. This scheme will be implemented with World Bank assistance after its approval from World Bank. An outlay of Rs. 500.00 lacs and Rs. 10.00 lacs has been proposed for Seventh Plan and Annual Plan 1985-86 respectively for this programme. The objective of the third scheme "planning cell in the directorate" is to strengthen the planning Process in the department.

Multiplication and Distribution of Seeds :

3.13. The use of certified and good quality seed is a key to obtain optimum yield from various crops. Quality seeds are procured from P.A.U. Ludhiana, National Seeds Corporation and Departmental Farms for further supply to the farmers. With the establishment of Punjab State Seeds Corporation, the supply and production of certified seeds has substantially improved. An amount of Rs. 700 lacs has been provided to Punjab State Seeds Corporation for Seventh Plan and Rs. 100.00 lacs for 1985-86. This provision has been made to enable the Corporation to contribute towards 25% margin money required to finance its massive expansion programme of seed processing and distribution of certified seed. 25% margin money has also been provided to the Corporation for the expenditure to be incurred on the purchase of cereal seed processing equipment, cotton seed delimiting equipment and seed stores etc., at a total cost of Rs. 270.00 lacs during 7th Five Year Plan and Rs. 39.30 lacs during 1985-86.

3.14. Details of the various major crop seeds to be produced by the Corporation during 7th Five Year Plan is given as under :

TABLE 3.4 : Seeds to be produced by PSSC :

Crop	(In quintals)				
	1985-86	1986-87	1987-88	1988-89	1989-90
Paddy	53000	60900	63800	66700	69600
Cotton	15600	39000	52000	65000	78000
Wheat	320250	373625	427000	480375	533750
Vegetable	400	450	500	560	600

Manures and Fertilizers :

3.15. A new scheme namely "Efficient utilisation of Inputs use of Micronutrients" has been

included in the 7th Plan with the objective to familiarize the farmers regarding balanced use of fertilizers. Currently, the farmers apply macro nutrients like NPK, and the application of minor elements is neglected. It is proposed to subsidise the micronutrients @25%. An outlay of Rs. 39.00 lacs and Rs. 5.00 lacs has been provided for Seventh Plan and Annual Plan respectively for this scheme. The physical achievements and Targets for Seventh Plan and 1985-86 regarding consumption of NPK are given as under :

TABLE 3.5 Fertilizer consumption in Punjab (000 tones of nutrients)

Year	N	P	K	Total
1979-80	477	179	30	686
1980-81	526	207	29	762
1981-82	562	217	34	813
1982-83	626	230	36	892
1983-84	707	252	32	991
1984-85	759	265	24	1048
1985-86 (Targets)	850	300	35	1185
1989-90 (Targets)	1000	430	35	1465

Plant Protection :

3.16. Under this programme, there are number of plant protection schemes providing for continued surveillance and eradication of pests and diseases. Under the scheme A(P)6.1 "Ground spraying of Crops/Mobile Ground Spray Units", pesticides/insecticide etc. are supplied to farmers on "no profit no loss" basis. They are also given technical guidance in proper use of pesticides for spraying of crops for control of various pests/diseases. For providing spray equipment and insecticides on "No profit, No Loss" basis, custom service has been proposed in a phased manner. An Amount of Rs. 800.00 lacs has been provided for this scheme for Seventh Plan and Rs. 125.00 lacs for 1985-86.

3.17. When the cotton plants grow to certain size ground spraying becomes difficult and aerial spray on cotton is arranged on campaign basis with advanced booking of aircrafts. At that time, the farmers do not have funds to make the payment of operational charges and pesticides. As such, loaning facilities are offered to farmers for this purpose in the form of Taccavi loans which are recovered along with land revenue. A sum of Rs. 400.00 lacs has been provided for Seventh Plan for aerial spraying of crops and Rs. 60.00 lacs for 1985-86. The physical progress

in respect of ground/aerial spraying and targets for Seventh Plan and 1985-86 are given below :

TABLE 3.6 Ground/Aerial Spraying of Crops in Punjab
(000 ha)

Year (Achievement Annual)	Ground Spray	Aerial Spray
1979-80	693	151
1980-81	527	113
1981-82	1200	93
1982-83	1050	85
1983-84 (Estimates)	915	62
1984-85 (Anti.)	905	24
1985-86 (Target)	940	36
1989-90 (Target)	7370	350

3.18. At the time of spread of pests/diseases, campaigns are arranged on massive scale under the scheme "Intensification of Plant Protection Work" over the affected area. Pesticides are supplied free of cost for control of epidemic pests. Apart from this 25% subsidy on pesticides and 50% on plant protection equipment is allowed to the farmers in the three border districts namely Amritsar, Gurdaspur, and Ferozepur. Under the scheme "Control of weeds and loose smut" steps are taken to control weeds and loose smut with the use of chemicals. Herbicides like Tribunal and Dosanex etc. have been found effective but are very costly. It is envisaged to supply the herbicides at 12½% subsidy out of which 50% will be met by Government of India. It is envisaged to cover an area of 3.30 lakh hect. during 1985-86 and 19.50 lakh hect. during Seventh Plan.

3.19. An amount of Rs. 1743.00 lacs and Rs. 270.60 lacs has been provided for 7th Five Year Plan and Annual Plan 1985-86 respectively for this programme.

Laboratories :

3.20. An amount of Rs. 295.00 lacs and Rs. 65.00 lacs has been provided for Seventh Plan and Annual Plan 1985-86 respectively for the following laboratories in the State :—

Soil Testing Laboratories :—The main object is to test the Soil free of cost, for reclamation purposes as well as for efficient use of fertilizers. For this purpose soil testing laboratories have been set up in each sub-division. Each soil testing laboratory is capable of testing 10,000 samples.

Seed Testing Laboratory : The objective is to enforce the Seed Control Act, 1983 by drawing seed samples from the seed sale centres and subsequently testing the samples in the laboratory. For this purpose the existing Seed Testing Laboratories is to be strengthened.

Fertilizer Quality Control Laboratory : It is proposed to set up two more Fertilizer Testing Laboratories for testing of fertilizer samples drawn under the fertilizer quality control programme as the existing one laboratory is not sufficient to cope with the increasing need of fertilizer testing.

Insecticide Testing Laboratory : The objective is to provide facilities for testing of insecticides samples collected under the quality control programme. It is a continued scheme and the laboratory has been set up in Punjab Agricultural University Campus.

Micro-Nutrients Laboratories— see para 3.11

Commercial Crops :

3.21. Punjab Agriculture is predominantly cereal based. It is proposed to diversify agriculture by promoting the cultivation of cotton, sugar-cane in Punjab. For the development of sugarcane, good quality seed of improved varieties is supplied and measures are taken for the control of sugarcane diseases in the reserved areas of the Sugar Mills. Subsidy @ Re 1 per Qtl. is given to the producer of Sugar cane seed and also to the purchaser of that seed. 25% subsidy is given on cost of pesticides required for treatment of sugar cane seed and aerial spraying 25% cost is borne by Mills while remaining 50% will be borne by the cane-growers. A provision of Rs. 250.00 lacs has been made for this scheme for Seventh Plan and Rs. 45.00 lacs for Annual Plan 1985-86.

3.22. Funds have been provided for the intensive cotton development programme including scheme for Production of nucleous seed of cotton. 25% subsidy is given on chemicals. Subsidy is also given on certified seed @ Rs. 150 per Qtl. It is also proposed to continue the subsidy on operational charges for aerial spraying @ Rs. 25 per hectare. The scheme A(P) 8.4 "Intensive Pulses Development Programme" aims at raising production of pulses. These are centrally sponsored schemes and funds will also be provided by Government of India.

Dry Land Farming :

3.23. The objective of the scheme is to increase agricultural production in the dry lands with the adoption of latest technology evolved by the Punjab Agricultural University, Ludhiana. The major dry land area falls in sub-montane region comprising part of Patiala, Ropar, Gurdaspur and Hoshiarpur districts where the average yield is very low. Greater stress has been laid on dry land areas on a water-shed basis so as to increase agricultural production. To begin with intensive work has been started in Hoshiarpur district under a Centrally Sponsored Scheme on sharing basis. A provision of Rs. 100.00 lacs has been made for Seventh Plan and Rs. 15.00 lacs have been provided for 1985-86 for this programme.

Land Reclamation :

3.24. At the beginning of the Fifth Plan, about 6.98 lac hectares were affected with alkalinity/salinity, of this 4.63 lac hectares were marginally or moderately and 2.35 lac hectares were seriously affected. Most of the area in the first category is under cultivation, but on account of affected patches, gives low yield.

3.25. An area of 2.30 lakh hectares has been reclaimed upto the end of Sixth Plan. This programme has been given high priority in Seventh Plan so that the remaining reclamation work is completed during the next two plans. under this

scheme, gypsum the main ingredient for reclamation of soils is supplied to farmers at a highly subsidized rate, 75% for small & marginal farmers and 50% for others. The procurement & supply of gypsum is handled by Land Development and Reclamation Corporation. Government of India has agreed to make it a centrally sponsored scheme with effect from Seventh Plan and will bear 50% expenditure on this scheme.. The physical profile is as under:—

TABLE 3.7 Area reclaimed, Gypsum supplied and Subsidy advanced

Year	Area reclaimed (hectares)	Gypsum supplied (000 tonnes)	Subsidy utilised (Rs. in lacs)
1	2	3	4
Level achieved upto—			
1979-80	73547	469.00	771.76
Achievement during :			
1980-81	33000	235.00	432.00
1981-82	34600	242.55	441.52
1982-83	31000	212.43	384.90
1983-84	33318	219.88	422.70
1984-85	24279	168.27	365.80
1985-86 (Target)	35000	245.00	560.00
1985—90 (Target) (Prov.)	267000	1880.00	3815.00

3.26. An outlay of Rs. 3000.00 lacs has been provided for Seventh Plan against Rs. 2175.91 lacs likely to be spent during Sixth Plan. The provision for Annual Plan 1985-86 is Rs. 300.00 lacs for this programme. Matching contribution will be provided by Government of India.

Extension & Farmers Training :

3.27. Under this programme there are three schemes : A(P) 11.5 "Farmers Training and Education—Running of Farmers Training Centres, A(P) 11.6 Grant to Institutions for organising Training camps." Ten districts are covered under the first scheme where the Farmers Training Centres have been established. Two districts namely Ludhiana and Amritsar are covered by Punjab Agricultural University, Ludhiana and Khalsa College, Amritsar for which grant-in-aid is given to these institutions. A new scheme "Strengthening of Agricultural Information Centre at State/District level which is a centrally sponsored scheme has been included under this programme at a total cost of Rs. 10.00 lacs for Seventh Plan and Rs. 1.00 lacs for 1985-86.

3.28. There is a total provision of Rs. 230.00 lacs for 7th Plan for this programme against Rs. 138.56 lacs likely to be spent during Sixth Plan. The outlay for 1985-86 is Rs. 42.00 lacs.

Agricultural Engineering :

3.29. A sum of Rs. 1075.00 lacs and Rs. 110.00 has been provided for various schemes under this programme for Seventh Plan and Annual Plan 1985-86 respectively. Share Capital, contribution has been provided to Punjab Agro-Industries Corporation with a view to develop Industries based on agriculture. High priority has been given to its activities during Seventh Plan. A provision of Rs. 1000.00 lacs has been made for Seventh Plan against an anticipated expenditure of Rs. 183.00 lacs during Sixth Plan period while the outlay for 1985-86 is Rs. 100.00 lacs. This outlay includes provision for Punjab Horticulture Corporation since merged in PAIC. A new centrally sponsored scheme "Popularisation of Improved Agricultural Implements" has been included in the Seventh Plan with a provision of Rs. 75.00 lacs for Seventh Plan and Rs. 10.00 lacs for 1985-86. It will be implemented in the five dry land districts of the State namely Ropar, Ferozepur, Hoshiarpur, Faridkot and Bhatinda. Improved Implements and Hand Tools will be popularised and distributed in the selected blocks in dry land areas. 25% subsidy will be provided for these implements. Matching contribution will be given by Government of India for this scheme.

High Yielding Varieties Programme :

3.30. It is a continued staff scheme and was sanctioned to strengthen the existing staffing pattern in the field. An Agriculture Inspector alongwith supporting staff has been provided for a group of 20—25 villages. The staff visits the farmers regularly at periodical intervals to equip them with the latest farming practices. A provision of Rs. 290.00 lacs and Rs. 60.00 lacs has been made for Seventh Plan and Annual Plan 1985-86 respectively for this scheme.

Agricultural Economics and Statistics :

3.31. There are four schemes under this programme for which a sum of Rs. 31.50 lacs and Rs. 4.90 lacs has been provided for Seventh Five-Year Plan and Annual Plan 1985-86 respectively. The main scheme under this programme is "Timely reporting revised calendar operation of Improved crop statistics". This is a centrally sponsored scheme and is in operation on 50 : 50 sharing basis between the Centre and State. Its objective is to obtain the Statistics of various crops in respect of area and production in time. A sum of Rs. 3.90 lacs has been provided for 1985-86 for this scheme.

Storage and Warehousing

3.32. Punjab State Warehousing Corporation was reconstituted under section 18 of the Warehousing Corporation Act, 1962 on 1st November, 1967. Its authorised share capital is Rs. 5.00 crores.

It provides storage facilities to the Farmers and purchasing agencies. It also provides facilities for the transport of agricultural produce, seeds, manures, fertilizers, and notified commodities to and from warehouses. A provision of Rs. 125.00 lacs has been made for Seventh Plan and Rs. 25.00 lacs for 1985-86. Matching contribution would be available from Central Warehousing Corporation.

Agricultural Marketing and Quality Control :

3.33. The scheme "Grading of Foodgrains and oil seeds in regulated Markets" is in operation on sharing basis with Agricultural Marketing Board. Earlier the sharing pattern was in the ratio of 20 : 80 between the State and Marketing Board and the scheme was in operation in 59 markets, but with effect from 1985-86 its sharing pattern has been changed to 5 : 95 and the scheme has been extended to another 40 markets. The main objective of the Scheme is to expedite the disposal of foodgrains and oil seeds in an efficient manner and thereby remove the commercial

bottle-necks by educating the farmers through publicity besides acquainting the producers and consumers with the current prices. An amount of Rs. 25.00 lacs for Seventh Plan & Rs. 5.00 lacs for 1985-86 has been provided for this programme as State share.

Agricultural Credit :

3.34. The Plan visualises mobilisation of maximum institutional finance for long term investment in agriculture. The Bank raises the needed finance mostly by floating debentures. The State Government is required to invest in varying percentage in debentures related to loaning programme for different purposes. An outlay of Rs. 25.00 crores for Seventh Plan & Rs. 3.25 crores for Annual Plan 1985-86 has been provided for this programme as State share. Details of Agricultural credit to be provided during 1985-86 along with physical targets is given in the table below :—

TABLE 3.8 Agricultural Credit to be Provided during 1985-86

(Rs. in lacs)

Serial No.	Scheme	Physical targets	Loans to be advanced	Debentures to be floated	Contribution by		
					State Govt.	Govt. of India	Total
1	2	3	4	5	6	7	8
Support to Ordinary and Special Debentures of LMB							
(i)	Agriculture Department	6000 (tubewells)	1700.00	1700.00	50.00	50.00	100.00
(ii)	Soil Conservation Department	N.A.	250.00	250.00	9.00	9.00	18.00
(iii)	Purchase of debenture of SCLMB for the purchase of Tractors and Agricultural Implements	2300 (tractors)	1800.00	1800.00	200.00	200.00	400.00
(iv)	ARC schemes for the reclamation of Alkaline/Saline Soils	N.A.	50.00	50.00	4.00	4.00	8.00
(v)	Grant of loans for fruit plantation-debenture support for Horticulture	2400 (acres)	120.00	120.00	9.00	9.00	18.00
(vi)	Gobar Gas Plants	480	20.00	20.00	1.00	1.00	2.00
(vii)	Dairy Development	1400 (Unit of 2 to 5 animals)	350.00	350.00	25.00	25.00	50.00
(viii)	Poultry, Piggery, sheep Breeding, Cattle Feed, Processing Unit, Camel Carts etc.	1000 (units of 500) Birds each)	350.00	350.00	23.00	23.00	46.00
(ix)	Fish Culture	80 (Ponds)	30.00	30.00	2.00	2.00	4.00
(x)	Farm Forestry	..	30.00	30.00	2.00	2.00	4.00
Total			4700.00	4700.00	325.00	325.00	650.00

Small and Marginal Farmers Scheme :

3.35. A Centrally-sponsored scheme, namely "Assistance to Small & Marginal Farmers on IRD pattern" was included in the Plan from 1983-84. This scheme aims at benefiting small & marginal farmers by providing Rs. 5.00 lakhs per block to be shared by the State and Central Government on matching basis as per details given below :

Item	(Rs. in lakhs)
	Rs.
(i) 50% subsidy on wells and pumps to small and marginal farmers on IRD pattern ..	3.50
(ii) 50% Subsidy on Plantation of fuel and fruit trees on IRD pattern ..	0.50
(iii) Free distribution of Minikits of seeds and fertilizers for oilseeds and Pulses, production inputs, land development and cost of staff etc. ..	1.00
Total	5.00

3.36. A provision of Rs. 1400.00 lacs has been made for 7th Plan and 295.00 lacs has been provided for the year 1985-86 for this programme. It is proposed to supply 32,000 Minikits of oilseeds and Pulses during 1985-86 and 1,60,000 during 7th Plan. 8,000 farmers are likely to be benefited for minor Irrigation purpose during 1985-86 and 31,000 during Seventh Plan.

Others :

3.37. Setting up of Machinery Hiring Units—The objective of the scheme is to set up machinery units to render rental service to the farmers particularly the small/marginal ones. To carry out farm operations in time, it is important that machinery hiring units should be set up to provide custom hiring service to the farmers at reasonable rates. This will also generate employment potential to the graduates in agriculture and Agricultural Engineering. It is proposed to assist the under-employed graduates by subsidizing the interest on loan to be advanced by the Commercial Banks. The facilities include, hiring service by tractors and implements at reasonable rates sale of spare parts of tractors and other machinery repair workshop and sale of fertilizers and insecticides. A sum of Rs. 11.25 lacs has been provided for the setting up of Regional Rural Banks at Faridkot, Sangrur and Jullundur for Seventh Plan and Rs. 7.50 lacs for 1985-86 for the Faridkot and Sangrur Banks.

HORTICULTURE

3.38. The Punjab State has a vast potential for the building up Horticulture on commercial lines. The State has a sub-tropical climate characterised by a hot and dry summer, following by rainy season. The winter are rather mild but with severe frosty nights.

Even within the State there are definite climatic Zones more suitable for some fruits than other. Accordingly efforts are made to give the desired push for the cultivation of various types of fruits suited for the area and develop fruit belts. These would result in better fruit marketing and orchard management practices.

Area to be covered :

3.39. There was a significant increase in the area under fruits during sixth plan period. The area under fruit crops which was 20,000 hectares in 1980 increased to 35,675 hectares at the end of 1983-84. It is expected that it will rise to 40,000 hectares at the end of 1984-85. It is envisaged to bring an additional area of 16,000 hectares during seventh plan period out of which 2,800 hectares will be covered in 1985-86 as per details below.

TABLE 3.9—Area to be covered under fruit plantation

Year	(Hects).	
	Area to be covered	
1985-86	..	2800
1986-87	..	3000
1987-88	..	3200
1988-89	..	3400
1989-90	..	3600
Total	..	16000

Nursery Plants :

3.40. At present the nursery plants are in short supply and it is planned to gear up the programme for increasing the production of reliable and disease free plants. The department has a net work of 26 nursery-cum-progeny orchards in addition to 76 private registered nurseries. It is proposed to develop more nurseries in the State to meet the ever increasing demand of fruit plants in the State. The yearwise requirement of nursery plants for bringing new area under fruits and replantation of old area is as under :

TABLE 3.10.—Requirements of Fruit Plants (000' no.)

Year	Plants for new area	Plants for plantation	Total
1985-86	.. 700	350	1050
1986-87	.. 750	375	1125
1987-88	.. 800	400	1200
1988-89	.. 850	425	1275
1989-90	.. 900	450	1350
Total	.. 4000	2000	6000

The main programmes of the department are discussed as under :

Direction and Administration :

3.41. The staff component of all the continuing schemes has been given in scheme "Establishment of Department of Horticulture" while the new staff required during Seventh Plan has been given in the scheme namely "Strengthening of Horticulture department" in the State. A provision of Rs. 210.00 lacs has been made for Seventh plan and Rs. 38.00 lacs for 1985-86 for this programme.

Development of Horticulture and Plant Protection :

3.42 This is an important programme and covers three schemes. A sum of Rs. 200.00 lacs has been provided for the scheme "Development of Horticulture and setting up of gardens and nurseries on the seed farms" for Seventh plan against Rs. 160.18 lacs likely to be spent during sixth plan, Rs. 30.00 lacs have been provided for 1985-86. There is a provision of Rs. 135.00 lacs for Seventh plan and Rs. 30.00 lacs for 1985-86 for the development of Horticulture in Kandi Area watershed." It is proposed to cover 1200 hectares under fruit plants during Seventh plan in Kandi project area. It is proposed to provide pesticides to fruit growers on "No profit, No loss" basis under the third scheme A(P) 21.3 control of Insects, Pests and diseases for which a sum of Rs. 120.00 lacs and Rs. 20.00 lacs has been provided for Seventh Plan and Annual Plan 1985-86 respectively.

Vegetables :

3.43. The main object of this programme is to produce and multiply seed potato. Besides, it is proposed to encourage the cultivation of vegetables especially onions in rural areas. Tractor sheds etc. and staff quarters at Mattewara farm which has an area of 837 acres have also been proposed in Seventh Plan. An outlay of Rs. 52.00 lacs for Seventh Plan and Rs. 9.00 lacs for 1985-86 has been provided for this scheme.

Preservation of Fruits :

3.44 There is only one scheme under this programme "Demonstration-cum-Fruit preservation Laboratories and community canning centres". The main object of this scheme is to train and educate the fruit growers/public in latest techniques of fruits and vegetables preservation including preparation of various important products like squashes, jams, jellies. This facility has been extended in the whole State. In addition 3 fruit preservation laboratories are functioning at Patiala, Hoshiarpur and Abohar. It is anticipated that there will be an income of Rs. 2.00 lacs every year from the sale of fruit products. An allocation of Rs. 30.00 lacs and Rs. 5.00 lacs has

been made for Seventh Plan and Annual Plan 1985-86 respectively for this programme.

Analytical Laboratory :

3.45 Keeping in view the dire necessity of tissue analysis of various fruits and vegetables an Analytical laboratory has been proposed at a total cost of Rs. 50.00 lacs for Seventh Plan and Rs. 1.00 lac for 1985-86.

Others :

3.46 A new scheme namely "Setting up of information and training centres at zonal level" has been included in Seventh Plan at a total cost of Rs. 15.00 lacs. Under this programme it is proposed to handle the work of training programme, publicity and to work out economics of Horticulture crops and collect and analyse Statistical data in respect of fruit and vegetable crops in the State.

3.47 The total provision for the department of Horticulture for Seventh plan is Rs. 812.00 lacs against Rs. 444.48 lacs likely to be spent during Sixth Plan. The provision for 1985-86 is Rs. 133.00 lacs against the likely expenditure of Rs. 117.70 lacs during the last year.

Food :

3.48 Under this sub-head there are two schemes namely "Acquisition of land for open storages complexes" and "Construction of Godowns". A provision of Rs. 1.00 lac has been made for 1985-86 while a sum of Rs. 10.00 lacs has been provided for the 7th Five Year Plan 1985-90 to enable the Department to complete its activities in respect of the plan schemes mentioned above.

SOIL CONSERVATION :

3.49 The Schemes of Soil Conservation Department aim at maximum utilisation of natural resources of Soil and Water through various Soil Conservation measures like levelling of land, bench terracing, gully reclamation, installation of underground pipelines and construction of surface storage tanks. An area of approximately 71127 hectares have been covered through various soil conservation measures during the 6th Plan period. The Department now proposes to accelerate the pace of work under all the existing schemes during the 7th plan with the main aim of bringing additional area under cultivation. Total physical coverage during the 7th plan period would be to the extent of 93500 hectares out of which 15350 hectares would be covered during 1985-86.

3.50 The schemes of soil conservation are being implemented by two departments viz. Soil Conservation and Engineering Department and the Department of Forests. The outlays of these two departments for the 7th plan 1985-90 and Annual Plan 1985-86 are

given below :—

(Rs. in lakhs)

Department	7th Plan (1985—90)	Annual Plan (1985-86)
	Outlay	Outlay
1	2	3
Soil Conservation and Engineering	1990.00	295.50
Forest	1510.00	249.50
Total	3500.00	545.00

Soil Surveys :

3.51 Whereas the areas in the State are affected by salinity/alkalinity, in the sub-montaneous tract sloping lands are being eroded and suitable measures have to be adopted to ensure the conservation of the soil for better agriculture. Similarly in the Central plains and southern districts, land is affected by sand dunes. These dune areas can also be reclaimed by adopting suitable soil conservation measures. In order to find out the extent of each problem area and the remedial measures needed to tackle the problem, detailed soil survey has to be conducted. Upto the end of Sixth Plan detailed survey of Sangrur, Amritsar, Gurdaspur, Kapurthala, Ludhiana districts and salt affected areas of the State have been carried out and the remaining districts of the State are still to be surveyed to locate the problem areas. It is proposed to continue the scheme during the Seventh Five Year Plan period in order to complete the job.

3.52 A provision of Rs. 90.00 lacs for the 7th plan and Rs. 15.00 lacs for 1985-86 has been made for the implementation of this scheme. During the 7th plan period it is expected that area of 12.50 lakh hectares will be surveyed under the scheme. "Soil Survey in the State." Besides, an area of 2.50 lakh hectares will be surveyed under a new scheme 'Preparation of soil and water resources inventory for land use planning and environmental ecological improvements' under which an outlay of Rs. 10.00 lakhs for the 7th plan and Rs. 2.00 lacs for 1985-86 has been provided.

Education, Research and Training :

3.53. The Soil Conservation Training Institute is being run by the State Government to impart training to its technical staff. Since the creation of this institute, it is being run in the private building taken on rent. So it has not been possible to establish

an Institute where different types of models or small demonstrations for sharing them to the trainees could be constructed. During the Seventh Plan it is proposed to establish a Training Institute in a Departmental Building for which land has already been purchased during Sixth Plan. An outlay of Rs. 40.00 lakhs and Rs. 3.50 lakhs for Seventh Plan and 1985-86 respectively has been provided for this scheme. 25 Gazetted Officers and 100 Non-Gazetted Officials would be got trained from the All India Soil Conservation Training Institute in addition to imparting of training by the State Training Institute.

Soil Conservation Schemes :

3.54. The various Soil Conservation schemes proposed to be implemented during the Seventh Plan are discussed below :

Pilot Project on Development of Kandi Area with World Bank Assistance.

3.55. The scheme will cover the catchment areas of Dholbaha, Janauri, Chohal, Maili, Salera and Mehangerwal choes of Hoshiarpur District and Patiala-Ki-Rao, Budki and Siswan of Ropar District. About 14 more choes are being selected for the second phase of the integrated development project which would start from 1987-88.

3.56. An outlay of Rs. 725.00 lakhs for the Seventh Plan and Rs. 100.00 lakhs for the Annual Plan 1985-86 has been provided for covering an area of 11000 hectares during the Seventh Plan and 1550 hectares during 1985-86 against the achievement of 5140 hectares during the Sixth Plan and 1200 hectares during 1984-85.

Soil and Water Conservation on watershed basis in Kandi Non-Project areas :

3.57. An outlay of Rs. 580.00 lakhs and Rs. 90.00 lakhs for the Seventh Plan and Annual Plan 1985-86 has been provided under this scheme to carry out Soil Conservation measures like land levelling, bench terracing, gully reclamation and laying of underground pipelines over an area of 20,000 hectares during Seventh Plan and 2665 hectares during 1985-86 against the Sixth Plan achievement of 17074 hectares including 2644 hectares during 1984-85.

Pilot Demonstration—Soil Conservation-cum-Development Project in Kandi tract on Sukho Majri Pattern :

3.58. The scheme SC(A) 3.4 'Pilot Demonstration—Soil Conservation-cum-Development Project in Kandi tract' is proposed to be implemented at an accelerated pace during Seventh Plan. Under this scheme, it is proposed to store and harness surplus water by constructing earthen dams and surface storage tanks across flushy streams or in dug out ponds on Sukhomajri pattern. An outlay of Rs. 100.00 lakhs for Seventh Plan and Rs. 15.00 lakhs for 1985-86 has been provided for this purpose for construction of surface storage tanks and mini dams which

will benefit about 500 hectares of land. The water stored in the tanks will be purposefully utilised for providing life saving irrigation to the crops at the critical stage when there is no/ scarce rain at the time of maturity of crops.

Water harvesting technology in ecologically handicapped areas Backward areas in Kandi region :

3.59. In areas where neither canal irrigation is there nor it is possible to tap natural water for irrigation, it is proposed to utilise the stream water for irrigating the agricultural lands. This scheme proposes to construct land channel from the stream to the sump-well, installation of underground pipelines from the sump-well to the field with necessary arrangements to lift the water from the sumpwell. It is envisaged to provide assistance to the farmers in the shape of loans and subsidies to enable them to use the natural streamflow for irrigation purpose. It is proposed to utilize a sum of Rs. 70.00 lakhs during the 7th

Five-Year Plan period for extending irrigation to an area of 1000 hectares. For 1985-86, the outlay proposed is Rs. 10.00 lakhs to cover an area of 60 hectares.

Soil and Water Conservation Programme in other areas of the State :

3.60. This scheme is mainly being implemented with institutional finance. An outlay of Rs. 375.00 lakhs has been provided under this scheme for the Seventh Plan and Rs. 60.00 lakhs for 1985-86. It is proposed to utilise institutional finance to the extent of about Rs. 22.00 crores during 7th Plan against the Sixth Plan likely utilization of Rs. 14.50 crores for the implementation of this scheme. An area of 60,000 hectares would be covered during 7th plan in the plains against the Sixth Plan achievement of 48883 hectares. The main programme during 1985-86 would be laying of underground pipelines over an area of 6000 hectares and land levelling over an area of 5000 hectares.

3.61 Physical targets and achievements are given in tables below :—

TABLE 3.11—Physical Targets and achievements of Soil Conservation works

Serial No.	Item	Unit	Sixth Five-Year Plan 1980—85 Targets	1980—83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985—90	1985-86 Target proposed
						Target	Anticipated Achievement	Target proposed	
1	2	3	4	5	6	7	8	9	10
1. AGRICULTURE AND ALLIED SERVICES									
(ii) Soil Conservation Area coverage (Agricultural land)									
(i)	Land levelling	Hect.	32000	12510	5510	7330	5101	36000	6000
(ii)	Bench Terracing	"	14000	8517	1427	980	1616	11700	1500
(iii)	Contour Bunding/Gully Reclamation	"	5000	262	99	300	15	1600	200
(iv)	Under ground pipe lines	"	46500	15354	5145	5305	4866	42000	7445
(v)	Common Water-Courses	"	7500	8572	1093	—	964	—	—
(vi)	Water Harvesting Tanks	"	17	3	38	85	38	2200	205
			(No)	(No)					
	Total		105000	45215	13312	14000	12600	93500	15350

TABLE 3.12—Schemewise physical targets for the year 1985-86 and 1985—90

(Area in Hectares)

Name of the Scheme	Seventh Plan 1985—90						Annual Plan 1985-86					
	L.L.	B.T.	C.B./ G.R.	U.G. pipe lines	Water harvest- ing tanks	Total	L.L.	B.T.	C.B./ G.R.	U.G.P. lines	Water harvest- ing tanks	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
SC(A)3.1 Pilot Project for Development of Kandi Area with World Bank Assistance	2000	3200	600	5000	200	11000	300	500	100	630	20	1550
SC(A)3.2 Soil and Water Conservation on Watershed basis in Kandi non-project areas	4000	8500	1000	7000	500	21000	700	1000	100	815	50	2665
SC(A)3.3 Soil and Water Conservation Programme in other areas of the State	30000	—	—	30000	—	60000	5000	—	—	6000	—	11000
SC(A)3.4 Pilot Demonstration Soil Conservation-cum-Development project in Kandi tract on Sukho Majri Pattern	—	—	—	—	500	500	—	—	—	—	75	75
SC(A)3.5 Water harvesting technology in ecologically handicapped areas Backward Areas in Kandi Region	—	—	—	—	1000	1000	—	—	—	—	60	60
Total	36000	11700	1600	42000	2200	93500	6000	1500	200	7445	205	15350

Forest Department-Soil Conservation Schemes

3.62. To achieve integrated development of land and water resources in the various catchments of Kandi tract, an important project of "Kandi Water Shed and Area Development" has been taken up with financial assistance from the World Bank which is being extended to another 14 catchments under the second phase of the project in the Seventh Plan.

3.63. Upper catchments of Shivalik Hills are devoid of vegetation. This has resulted in severe erosion. Flash floods occur during rainy season and carry away a lot of debris which is spread in the fertile fields. This causes considerable damage to productive agricultural lands. To increase agricultural production, generate employment opportunities and for improving the socio-economic condition of the inhabitants of this area the Kandi Project covers following :—

- (i) Afforestation of upper catchments ;
- (ii) Development of pasture lands ;
- (iii) Promotion of dairy enterprises ;
- (iv) Construction of drains and embankments to moderate flashy rain off and improvement of ground water resources.

(v) Utilisation of impounded water for irrigating farm crops ;

(vi) Development of fisheries ;

(vii) Soil Conservation programme for the reclamation of waste lands.

3.64. Under the World Bank assisted Kandi Water Shed and Area Development Project afforestation over an area of 28,000 hectares would be carried out during the Seventh Plan and 6,000 hectares during 1985-86, in the various catchments. An outlay of Rs. 1400.00 lakhs in the 7th plan and Rs.230.00 lakhs in 1985-86 has been provided for this purpose. Besides, a sum of Rs. 6.50 lakhs has been provided for meeting the expenses of the Project Planning and Co-ordination Unit during 1985-86. Under another scheme 'Soil and Water Conservation on forest land in kandi non-project areas an outlay of Rs. 70.00 lakhs for Seventh Plan and Rs. 13.00 lakhs for 1985-86 has been provided for afforestation over an area of 1600 hectares during Seventh Plan and 325 hectares during 1985-86 in sub-montane tract of the State.

ANNEXURE
AGRICULTURE

Item	Unit	Year	
		1979-80	1983-84
1	2	3	4
A Land Utilisation in Punjab :			
Geographical Area	.. 000 Hect	5036	5036
Reported Area	.. " "	5033	5033
Forests	.. " "	217	222
Land not available for cultivation	.. " "	531	526
Other uncultivated lands excluding fallow lands	.. " "	52	41
Current fallow lands	.. " "	51	32
Net Area Sown	.. " "	4182	4212
Net Area sown as percentage to total Area	.. " "	83	84
Area sown more than once	.. " "	2353	2766
Gross cropped Area	.. " "	6535	6978
Cropping Intensity	..	156.3	165.6
B Net Area Irrigated by :			
(i) Government Canals	.. 000 Hect.	1515	1469
(ii) Private Canals	.. " "	—	4
(iii) Tube-wells and Wells	.. " "	1997	2099
(iv) Other sources	.. " "	11	7
Total	.. " "	3523	3579
Percentage of Net Irrigated Area to Net Area Sown	.. " "	84	85
C Tubewells in Punjab :			
Diesel operated	.. (lakh No.)	3.23	2.55
Electric Operated	.. " "	2.62	3.80
Total	.. " "	5.85	6.35
D Tractors	.. (Numbers)	41185	64307
E Area under important Crops in Punjab		(1972)	(1977)
		(000 hectares)	
Crop	1	Year	
		1979-80	1983-84
		2	3
Wheat	..	2813	3123
Rice	..	1172	1482
Maize	..	393	293
Barley	..	46	60
Gram	..	228	97
Ground nut	..	91	58
Sugar Cane	..	77	84
Cotton (American)	..	460	556
Cotton (Desi)	..	170	94

F. Production of Important Crops :

Crop	Unit	1979-80 Achievement	1984-85 Achievement (Rate)
1	2	3	4
OUTPUT			
Wheat	.. 000 tonnes	7868	10183
Rice	.. " "	3052	5057
Pulses	.. " "	188	162
Total Food grains	.. " "	11906	16127
Oil Seeds	.. " "	157	191
Sugarcane (Gur)	.. " "	393	498
Cotton	.. 000 bales	1207	1238

G. Yield of Important Crops :

Crop	Unit	1979-80 Achievement		1984-85 Achievement
1	2	3A	3B	4
		Punjab	All India	
Wheat	.. Kgs/he.	2797	1437	3285
Rice	.. "	2604	1082	3074
Maize	.. "	1723	970	1899
Jowar	.. "	649	688	1000
Sugarcane (Gur)	.. "	5099	5000	6226
Cotton (cleaned)	.. "	326	162	425

H. Fertilizer consumption in Punjab :

Item	unit	Year	
		1979-80	1984-85
1	2	3	4
(i) N	.. 000 tonnes	477	759
(ii) P	.. " "	179	265
(iii) K	.. " "	30	24
Total	.. " "	686	1048

I.

Consumption of Fertilizers :

(1982-83)

State	Kgs./hects.
Panjab	130.0 (150 Kgs. in 1984-85)
Haryana	45.5
Tamil Nadu	66.7
All India Level	34.6

J.

Reclamation of Kallar Lands in Panjab :

(Hectares)

Total area effected with alkalinity/salinity at the beginning of Fifth Plan	6,98,000
Level achieved upto 1979-80	73,547
Area reclaimed during Sixth Plan (1980-85)	1,56,197
Total area reclaimed upto 31st March, 1985	2,29,744

K.

Punjab's contribution of Rice & Wheat in Central Pool :

Unit : 000' tonnes

Year	Wheat (Mkg. Year)			Rice (Crop Year)		
	India	Punjab	%age	India	Punjab	%age
1980-81	5860	4277	75.3	5572	2523	45.3
1981-82	6590	3763	57.1	7271	3092	42.5
1982-83	7718	4825	62.5	7029	3231	46.0
1983-84	8285	5165	62.3	7831	3282	41.9
1984-85 (P)	9296	5010	53.9	9674	4861	50.3
1985-86 (20-6-85)	10143	6103	60.1	—	—	—

CHAPTER-IV

Agricultural and Rural Development (II)

To promote diversification of the State Agriculture where arable farming dominates, allied activities comprising Animal Husbandry, Commercial Dairying, Fisheries and Forests have received greater attention during the Seventh Plan than in the past. Livestock keeping alongwith marketing services, manufacture of livestock products and inputs and other subsidiary or supporting industries and institutions offer a great scope of gainful employment to the expanding labour force and thereby help the State, in raising the standard of living of rural population, especially of the weaker section of the society and in the reduction of imbalances and disparity in income.

ANIMAL HUSBANDRY

4.2 Livestock plays a vital role in the life of the people. 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 and pork. Despite large scale mechanization of agricultural activities bullock and buffalo will continue to be the back bone of the State economy. Raising of cattle and buffalo involves intensive use of labour and offers income opportunities to the Small, marginal farmers and agricultural labourers. To diversify the agricultural base, promotion of livestock can be relied upon as a major instrument of social change.

4.3 Animal Husbandry has been accorded priority during the Seventh Five-Year Plan with a view to augment milk production and subsidiary food. Against an outlay of Rs. 5.20 crores in 1984-85, an outlay of Rs. 4.45 crores has been provided for the year 1985-86. The outlay for the Seventh Five-Year Plan 1985-90 is Rs. 33.00 crores against the expenditure of Rs. 19.66 crores during the Sixth Five-Year Plan.

4.4 The main programmes under this sub-head of development are:—

(Rs. in lakhs)

Sr. No.	Name of the programme	Outlay		
		1984-85	1985-86	1985-90
1	2	3	4	5
1	Veterinary Services and Animal Health	73.04	141.91	1316.72
2	Veterinary Education and Research	50.00	67.37	392.63
3	Cattle Development	72.38	72.66	598.16
4	Poultry Development	18.22	26.16	122.18
5	Other Livestock Development	252.96	75.27	388.37
6	Feed and Fodder Development	17.64	29.44	247.41
	Total	484.24	412.81	3065.47

4.5 Substantially enlarged allocation of Rs. 1316.72 lakhs has been made for providing effective health cover to the livestock, residential accommodation to the Veterinary personnel and equipping the veterinary Institutions with adequate medicines/equipment. Besides, an allocation of Rs. 598.16 lakhs for 1985-90 has been provided for Cattle Development Programmes against the expenditure of Rs. 203.11 lakhs during the Sixth Plan. During 1985-86, outlays of Rs. 72.66 lakhs under Cattle Development and Rs. 141.91 lakhs for health cover have been provided. Thus cattle development has been accorded due priority in the Seventh Plan.

Veterinary Services and Animal Health

4.6 As cross-bred animals are more susceptible to infectious and contagious diseases, adequate and effective health services is of vital importance to improve the productivity of indigenous livestock. By the end of 1984-85, there were 769 Veterinary Hospitals manned by qualified veterinarians. Besides this, there were 467 Veterinary Dispensaries and 573 stockmen centres under the charge of Veterinary Pharmacists.

4.7 During the Seventh Five Year Plan, 80 new veterinary dispensaries will be opened to serve the livestock population. In addition to this 100 veterinary dispensaries/stockmen Centres would be upgraded into veterinary Hospitals during the Seventh Plan at the rate of upgradation of 20 dispensaries/centres each year. A sum of Rs. 165.80 lakhs has been provided during Seventh Plan for the provision of medicines to all the Veterinary Institutions on a uniform pattern of providing medicines annually worth Rs. 10,000 per Hospital and Rs. 5,000 per Veterinary Dispensary rate of Stockman Centre. An outlay of Rs. 1316.72 lakhs is provided during Seventh Plan and an outlay of Rs. 141.91 lakhs for the Annual Plan 1985-86

4.8 Main schemes under this programme are given as under:

- (i) Biological products Section of the Punjab Vaccine Institute, Ludhiana will be expanded to take up the production of new Vaccines and antigens and to increase the production of Sera and Vaccines.
- (ii) To introduce multi-disciplinary approach in combating animal diseases, reproductive disorders and nutritional imbalances, 5 new Polyclinics will be established during Seventh Plan besides the continuance of 3 Polyclinics already established during the Sixth Plan. An outlay of Rs. 162.69 lakhs comprising Rs. 60.00 lakhs as capital component is provided for Seventh Plan and an outlay of Rs. 21.00 lakhs comprising Rs. 10.00 lakhs as capital component is provided for the Annual Plan 1985-86

- (iii) Existing medical store will be expanded to handle the increased work-load of distribution of medicines to the veterinary institutions.
- (iv) Subsidised supply of Foot and Mouth disease vaccine will continue to be available to the live stock owners in the State.
- (v) Residential accommodation will also be made available for the Veterinary personnel to ensure 24 hours service to the precious livestock. At present the veterinary staff works only for 6 hours a day, where residential accommodations are non-existent.

Veterinary Education and Research

4.9 Veterinary Education and Research Schemes taken up during the Fifth Five-Year Plan and continued during the Sixth Five-Year Plan and under which the desired level of development has been achieved and which are considered necessary to be continued have been transferred to the Non-Plan budget of the state.

4.10. Five schemes relating to (i) establishment of Small Animal Colony, (ii) research in tickborne diseases, (iii) control of mastitis, (iv) ICAR co-ordinated Project and double shift system will continue during the Seventh Plan. In addition to the continuing scheme "Research in tick borne diseases" will be strengthened suitably to conduct fundamental and developmental research on tick borne diseases of live stock and their vectors and production of Theileria Vaccine. Besides, 6 new schemes relating to (i) disease research centres, (ii) creation of facilities for housing animals under experiments with infectious material, (iii) research animal nutrition, (iv) strengthening of facilities for improvement of cattle, (v) Strengthening of public health, and (vi) undergraduate teaching programme for College of Veterinary science will be taken up during the Seventh Five-Year Plan. For the implementation of Veterinary Education and Research an outlay of Rs. 392.63 lakhs is provided for Seventh Five-Year Plan and an outlay of Rs. 67.37 lakhs for the Annual Plan 1985-86.

Cattle Development

4.11. The thrust of the cattle development programme is towards increased production of milk. Total milk production in 1983-84 has been estimated at 3,620 thousand tonnes giving a per capita availability of 562 gms. per day. The buffaloes number about 2,370 thousand as against 955 thousand milch cows. The buffalo also gives a higher average daily milk yield about 4.60 litres as against 2.50 litres in the case of the cow. The buffalo is thus the primary milch animal of the State.

4.12. To raise the milk production in the State the development measures proposed to be implemented during the Seventh Plan are discussed below:—

- (i) Subsidized rearing of cross-bred heifers under the special livestock production will

be promoted among small/marginal farmers and agricultural labourers by providing subsidy in the form of balanced cattle feed for 21,000 heifers during Seventh Plan. Besides subsidy for the setting up of 2,000 poultry units and 770 piggery units during Seventh Plan will also be provided.

- (ii) Artificial Insemination facilities will be expanded with the frozen semen technology by covering 200 centres every year. During the Seventh Five-Year Plan, frozen semen facilities are proposed to be extended to cover all the 1,855 Veterinary institutions in the State by providing liquid nitrogen containers, sheaths, and straws etc.
- (iii) Existing cattle breeding farms functioning at Mattewara, Ropar and Patiala will be further expanded for the production of cross-bred bulls. An outlay of Rs. 598.16 lakhs is provided for Cattle Development programme in the State during the Seventh Five-Year Plan 1985-90. For the Annual Plan 1985-86, an allocation of Rs. 72.66 lakhs is made for this programme.

Poultry Development

4.13. The main thrust of poultry production programme will be on egg production. Besides broiler production has also to be stepped up as it provides employment both in rural and urban areas, supplies nutritive food to the consumers in the form of meat and eggs as also manure for use in the field. Keeping this objective in view the quality chicks for better egg and meat production would be obtained for the state poultry farms for higher productivity. Egg production in the State will be raised from the likely production of 825 millions during 1984-85 to 1,460 millions during 1985-90 and to 950 millions during 1985-86.

4.14. The present production of 5 lakh pullets will be increased to 10 lakh pullets during 1985-90 and to 6 lakhs during 1985-86 through the expansion of the existing capacity of layers from 3,000 layers to 3500 layers at each of the Govt. poultry farm. The incubation capacity will be expanded from the present level of hatching 30,000 eggs to 40,000 eggs, per farm. For this programme an outlay of Rs. 122.18 lakhs is provided for Seventh Five-Year Plan 1985-90 and an outlay of Rs. 26.16 lakhs for Annual Plan 1985-86.

Sheep Development

4.15. Sheep population has been projected at 5.39 lakhs during 1984-85. Wool production during 1984-85 is anticipated at 13.25 lakh kgs. It is envisaged to increase the wool production to 14.00 lakh kgs. during the Seventh Plan and to 13.35 lakh kgs. during 1985-86.

4.16. To improve the quality and quantity of wool and mutton of sheep in the state, the following programmes are envisaged:—

- (i) Setting up of units of 10 corridale rams at each of the sheep and wool extension centre for providing breeding service to sheep flocks.

- (ii) Effective health cover will be provided through the supply of anthelmintics, sera and vaccine for regular drenching timely vaccination, dipping/spraying and general treatment of sheep.
- (ii) Expansion of the sheep breeding farms Mattewara and Dhar for the production of adequate number of cross-bred rams.
- (iv) Setting up of a Fat Lamb farm with imported stock of 300 south drawn or Dorset breeds of sheep for the production of mutton type sheep. For this programme an allocation of Rs. 98.23 lakhs is provided for Seventh Five-Year Plan 1985-90 and an outlay of Rs. 13.53 lakhs for Annual Plan 1985-86.

Piggery Development

4.17 Pig population has been projected at 1.29 lakhs as per 1977 census. It is estimated to raise it to 2.01 lakhs during 1985-90 and to 1.80 lakhs during 1985-86. The main objectives of pig production programme are to meet the increased demand of meat as a result of fast growing human population, changing food habits, urbanisation, industrialization and to provide subsidiary/whole-time occupation to the under employed/unemployed persons especially the weaker sections of the society. During the Seventh Five-Year Plan, the existing pig breeding farms at Malwal, Mattewara, Nabha and Kharar will be expanded by raising the herd strength as under:—

Name of the farm	Existing herd strength	Proposed herd strength
1	2	3
Kharar	150	300
Nabha	150	300
Malwal	100	200
Mattewara	100	300

4.18 For the programme an outlay of Rs. 80.70 lakhs is provided for Seventh Five-Year Plan 1985-90 and outlay of Rs. 11.54 lakhs for the Annual Plan 1985-1986.

Fodder Development

4.19 Existing fodder resources in the State are not only deficient but also lack in quality. Considering the pressure on land for production of food for human population, there is not enough scope for increasing the fodder acreage. According to 1979-80 estimates

about 7.00 lakh hectares of land had been under fodder crops. The production from this area has been estimated to be 326 lakh tonnes green fodder which comes to 14.30 kg. per adult unit per day as against the optimum requirements of 30 to 35 Kg. In addition to this low grade roughages like wheat Bhusa, paddy straw etc. are available to the tune of 122 lakh tonnes. Besides green fodder, the animals also require certain quantity of minimum dry matter which should be 2-3 per cent of the body weight of the animal viz. 10-12 kg. per day.

4.20 As perennial supply of fodder is vital component of livestock development programme for increasing the production per unit the following programmes are envisaged to ensure regular and adequate supply of fodder:—

- (i) Expansion of the existing Government fodder seed multiplication farms Nabha, Mattewara and Kule Majra for the production and supply of quality seeds and forages.
- (ii) Production, popularisation of newly evolved fodder varieties, by providing incentives to the registered growers for the production of quality seeds in the selected fields.
- (iii) Subsidies for the setting up of composite/simple Demonstration Plots and silopits for the preservation of fodder.

4.21 An outlay of Rs. 247.41 lakhs has been provided for the Seventh Five-Year Plan 1985-90 and an outlay Rs. 29.44 lakhs for the Annual Plan 1985-86.

Other Livestock Development

4.22 The programme for the production of progeny tested bulls through the evaluation of performance of buffalo bulls taken up in the field conditions of Patiala and Sangrur districts will be continued and expanded during the Seventh Plan.

4.23 The livestock component programme under the World Bank assisted Kandi Project will be continued during the Seventh Plan. It aims at the replacement of existing indigenous low yielding milch cattle with the cross-bred cows/high yielding buffaloes. One cross-bred cow/buffalo is supplied in lieu of 2 indigenous cows or 4 goats. The programme which is presently being carried out in the five catchments will also be extended to other four catchments during the Seventh Plan. About 1,600 cross-bred cows/high yielding buffaloes will be supplied in the Kandi area under this scheme during 1985-90 and 400 during 1985-86.

4.24 The Polytechnic for providing refresher courses and inservice training to the field veterinary staff and livestock farmers will be strengthened during the Seventh Plan.

4.25 Four horse and mule breeding centres set up for providing breeding services will be continued during the Seventh Five-Year Plan.

4.26. Under science and technology programme, the modernisation of Government cattle, poultry and piggery farms is envisaged. An outlay of Rs. 5.00 lakhs is provided for seventh five year plan and an outlay of Rs. 0.50 lakh for Annual Plan 1985-86.

4.27. For the implementation of other livestock development programmes outlays of Rs. 388.37 lakhs have been provided for the Seventh Plan and Rs. 75.27 lakhs for the Annual Plan 1985-86.

DAIRYING AND MILK SUPPLY

4.28. Dairy Development programmes launched in the State aim at meeting the nutritional needs of the population in the rural areas and at the same time yielding surplus milk for marketing in towns. During the Sixth Five-Year Plan, comprehensive efforts were made for its development, encompassing not only an emphasis on the enhancement of milk production in the rural areas, but also on the marketing of surplus milk in the urban areas by setting up modern milk plants. Since milk is a highly perishable commodity and its handling needs extreme care and speed, a net work of chilling plants for its collection, cooling/chilling and transportation in bulk to the Milk Plants was set up. By the end of the 6th Five-Year Plan 11 milk plants (seven in the Public/Co-operative Sector and four in the private sector) along with 35 milk chilling centres had been established.

4.29. An outlay of Rs. 440.00 lakhs is provided for various plan schemes relating to dairying and milk supply programmes in the seventh Five-Year Plan 1985-90 and Rs. 49.00 lakhs for 1985-86. During the period the main thrust of the department would be:

- (i) to organise extensive Dairy Training Courses ;
- (ii) providing of self employment to rural unemployed youth by setting up mini dairy units.
- (iii) providing of marketing facilities in the backward areas ;
- (iv) resettlement of Ex-servicemen ;
- (v) providing employment to widows ;
- (vi) to check quality of cattle feed, milk products and milk testing apparatus ;
- (vii) registration of creameries/Dhojies to enforce regulatory measures etc.

4.30. The main programmes are discussed below:—

Dairy Development

4.31. Important programme under dairy development is the establishment of Milk Chilling-cum-Demonstration Centres in the Border, Sub-montane, Bet and Backward areas of the State. At present, the construction work of four milk chilling centres is in hand and the construction of one milk chilling centre will

be taken up shortly. Besides, site for setting up one chilling centre in the Border area is being procured. During the Annual Plan 1985-86 an outlay of Rs. 15.40 lakhs is provided on the capital side for the completion of on going works. An outlay of Rs. 70.00 lakhs is provided for the seventh-five year plan.

4.32. Under the Special employment programmes candidates having aptitude for taking up dairying as a vocation with matriculation qualification are selected for providing 21 days training and each candidate is given stipend @ Rs. 100 during the training period. The candidates are further assisted in securing loans from the financial institutions for the purchase of milch animals. To encourage the candidates to set up the dairy units, the department is to provide 5 per cent interest subsidy, 2/3 insurance subsidy and Rs. 240 for the purchase of cattle feed. During the year 1985-86, training would be provided to 720 candidates. An outlay of Rs. 125.00 lakhs is provided for seventh Five-Year Plan 1985-90 and an outlay of Rs. 15.00 lakhs is provided for 1985-86 against an outlay of Rs. 15.00 lakhs for 1984-85.

4.33. During the seventh Plan period, (i) Schemes for the settlement of Ex-servicemen with an outlay of Rs. 27.50 lakhs (ii) Providing self-employment to widows with an outlay of Rs. 27.00 lakhs are proposed. Outlay of Rs. 5.50 lakhs and Rs. 3.00 lakhs are provided respectively in the Annual Plan 1985-86.

4.34. Besides, an outlay of Rs. 4.00 lakhs is provided for the construction of Model Cattle sheds to Small and Marginal farmers during the Annual Plan 1985-86 and an outlay of Rs. 24.00 lakhs during the Seventh Five Year Plan. Token provision is also made for (i) establishment of Government laboratory for testing of milk products/cattle feed and (ii) registration of creameries and dhojies to ensure the marketing of pure and hygienic milk in urban areas. An allocation of Rs. 5.00 lakhs is provided during seventh Plan period for sponsoring candidates as Punjab State nominees for I.D.D. and B.S.c. Dairy Courses in order to meet the requirement of technical personnel. Under the Operation Flood-II Programme, there is no provision for working capital of day to day payment, purchase of land, water supply and electric feeder line and expansion of existing milk plants. For all these purposes/activities funds to the tune of Rs. 50.00 lakhs have been provided during the seventh Plan.

FISHERIES

4.35. There is considerable scope in the State for supplementing agriculture by aquaculture to reduce the gap between the availability and requirements of high quality protein and subsidiary food (fish) at reasonable prices. A survey conducted by the department reveals that there are 12,263 ponds covering an area of 7034 hectares available in the State, out of which 7135 ponds covering an area of 4370 hectares can be brought under fish culture after renovation. Besides, 1200 hectares of back-water and 4400 hectares of depressions along the canals in the form of continuous strips are available for fish culture. Thus the total such impounded area in the State available for fish culture is approximately

9970 hectares. To bring the total 4370 hectares water area under fish culture approximately 2.20 crores of fingerlings would be needed if stocked at the rate of 5000 fingerlings per hectare in addition to the water area which will be created by constructing small dams under Kandi Watershed and Area Development Programme.

4.36. All India per Capita consumption of fish is 3 Kgs. per annum whereas it should be 11 Kgs. per annum. In Punjab, the fish consumption is only 300 gms. per person per annum. As such there is all the more necessity to take effective steps to arrange for the maximum fish production in the Punjab State which is possible only by adopting fish culture in ponds on modern scientific lines and by the increased fish seed production. Therefore, the basic concept of the department is to raise the fish production in the State which is possible only by increasing the fish seed production at the Fish Seed Farms and by tapping other natural resources. The Department has already established 6 Fish Seed Farms and 10 Fish Seed Nurseries at various places in the State. It is expected that by the end of the Sixth Plan, the Annual Fish Seed production in the State from all sources will be about 50.00 lakhs which will be stocked in 1000.00 Hect. water area approximately. Similarly, the total fish production in the State will go upto 3,500 metric tonnes by the end of Sixth Five-Year Plan.

4.37. Out of the 7,135 ponds in the State, which are suitable for fish culture, about 1,500 such ponds will be brought under fish culture by the end of Sixth Five-Year Plan. In addition there are 5,635 village ponds which can be made suitable for fish culture after necessary renovation etc. It will, therefore, be seen that there is a vast scope of development of fish culture in the State.

4.38. Emphasis will be laid on the establishment of more and more fish seed farms so as to bring the entire water area available in the State under fish culture in a phased manner. It is proposed to bring about 1,150 hectares of additional water area under fish culture during the Seventh Five Year Plan and the fish seed production is also expected to be raised to 2.00 crores fingerlings during the Seventh Plan. To achieve these targets, an outlay of Rs. 598.00 lakhs comprising Rs. 231.00 lakhs as capital outlay is provided for the Seventh Five-Year Plan 1985—90 and an outlay of Rs. 80.00 lakhs is provided for Annual Plan 1985-86 against an outlay of Rs. 66.00 lakhs for 1984-85. The programme-wise details are given as below:—

Fish Farms/Seed Nurseries

4.39. Under this programme, the Fisheries Department envisages the completion of six Fish Seed Farms and 10 Fish Seed Nurseries by the end of Sixth Plan. One Fish Seed Nursery will have to be completed during Seventh Plan 1985—90. Since the production from the existing fish seed farms/nurseries is much less of the actual requirements, the department proposes to modernise the existing Fish Seed Farms during the Seventh Plan so that fish seed production could be increased to the maximum to meet with the increased requirements of Fish Seed. An outlay of Rs. 95.00

lakhs is provided for seventh Five-Year Plan 1985—90. An outlay of Rs. 7.00 lakhs is provided for the Annual Plan 1985-86 against an outlay of Rs. 5.00 lakhs for 1984-85.

4.40. Under the scheme Fish Culture in Shah Nehar Reservoir it was proposed to establish one fish seed farm in the vicinity of Shah Nehar Reservoir with a view to stock Shah Nehar Reservoir. For this purpose, the construction work at the Fish Seed Farm being established at Begpur Kamloh on Mukerian Road is going on. This fish seed farm is to be completed during seventh Five Year Plan. An outlay of Rs. 25.00 lakhs is provided for Seventh Five-Year Plan and an outlay of Rs. 5.00 lakhs for Annual Plan 1985-86 against an outlay of Rs. 5.50 lakhs for 1984-85.

4.41. Under the World Bank assisted Kandi Watershed and Area Development Project, it is proposed to construct 2 fish seed Farms, one each in District Ropar and Hoshiarpur. The construction of fish seed farm at Ropar was started in the year 1981-82. The construction work at the other fish seed farm at Hariana in district Hoshiarpur has been taken up very recently. This farm will be completed during the Seventh Plan. During the Seventh Plan period, construction of both the Fish Seed Farms will be completed whereas during the Annual Plan 1985-86 construction work of Building complex of Fish Seed Farm, Ropar will be completed. An outlay of Rs. 70.00 lakhs is provided during the Seventh Plan 1985—90 and Rs. 36.00 lakhs during the Annual Plan 1985-86, against an outlay of Rs. 33.00 lakhs during 1984-85.

4.42. Under Centrally sponsored Scheme 2 fish seed farms of 5.00 hectare area each are to be established for Fish Farmers Development Agencies, Ludhiana and Sangrur which presently do not have fish seed farm. Under this scheme, the Government of India will provide financial assistance by way of 50 per cent loan on capital investment and the rest of the expenditure will be borne by the State. For this scheme an outlay of Rs. 80.00 lakhs is provided for the Seventh Five-Year Plan and an outlay of Rs. 6.00 lakhs for Annual Plan 1985-86 against an outlay of Rs. 2.00 lakhs for 1984-85.

4.43. Under another Centrally sponsored scheme two 10 hect. Fish Seed hatcheries are to be established in the State. The Government of India is to provide financial assistance by way of 70% loan on capital investment and the rest of expenditure is to be borne by the State. As this scheme has been taken up very recently, it will have to be continued during the Seventh Plan for the completion of construction work. An outlay of Rs. 100.00 lakhs comprising Rs. 90.00 lakhs as capital outlay is provided for Seventh Five-Year Plan 1985—90 and an outlay of Rs. 5.00 lakhs for the Annual Plan 1985-86 against an outlay of Rs. 3.00 lakhs for 1984-85.

Inland Fisheries

4.44. To uplift the rural economy and to provide self employment opportunities to the unemployed rural people it is proposed to introduce intensive fish farming in rural area to utilise water area to the

extent of 150.00 Hectares during the Seventh Plan and 30.00 Hectares during the Annual Plan 1985-86.

4.45. Under the Plan Scheme 'Promotion of Intensive Fish Culture by providing assistance to Private/Cooperative Sector and Rehabilitation of Ex-Servicemen 25% subsidy subject to a maximum of Rs. 6,250 is given to fish farmers for the excavation of new ponds in 1.00 Hectare area and Rs. 2,500/- for the renovation of existing ponds in one hectare area. An outlay of Rs. 15.00 lakhs is provided for Seventh Five-Year Plan and an outlay of Rs. 3.00 lakhs for the Annual Plan 1985-86 against an outlay of Rs. 2.00 lakhs for 1984-85.

4.46. Under the Plan Scheme 'Assistance to Fish Farmers Development Agencies of Gurdaspur, Jalandhar, Amritsar, Ludhiana and Sangrur, it is expected that 1000.00 hectares of water area will be brought and maintained under fish culture during the Seventh Plan whereas during Annual Plan 1985-86, 250 hectares of water area will be brought under fish culture.

4.47. Under Fish Farmers Development, Agencies an outlay of Rs. 120.00 lakhs is provided during the Seventh Five-Year Plan 1985-90 and an outlay of Rs. 10.00 lakhs during the Annual Plan 1985-86 against an outlay of Rs. 10.00 lakhs during 1984-85. Keeping in view, the continuation and expansion of existing plan schemes adequate provision is made for (i) Strengthening of Headquarters and sub-office staff (ii) Creation of Information and Extension Division and (iii) Training of Fisheries Personnel during Seventh Five-Year Plan 1985-90 and Annual Plan 1985-86.

FORESTS

4.48. Total geographical area of Punjab State is 50,330 Sq. Kms. out of which more than 84% area is under agriculture. The area under forests is quite meagre. According to National Forest Policy, 1952 it is desired that at least 33% of the total land area should be under forests, whereas the area under forests in Punjab State is 2,64,041.38 hectares i.e. 5.25% of the total land area of the State. 50% of the total forest area under the control of Forest Department lies in the submontaneous region covering the districts of Ropar, Hoshiarpur and Gurdaspur. The rest of the Government forest area is mainly confined in scattered blocks and strips along Roads Railway lines, Canals, Drains and Bundhs. The forest area is having a large number of problems to raise plantations and needs higher investments.

4.49. To maintain the ecological balance and to meet the fodder, and other domestic requirements of people and of Small and Large Industries, the Forestry schemes have been formulated. The main objectives are given as under:—

1. Afforestation and soil conservation measures in Shivalik areas to improve the degraded forests to conserve soil and water.
2. Afforestation over the Government lands in plains to meet the requirements of

timber, fuelwood and raw material for wood based industries.

3. To raise sufficient number of forest trees in urban lands to check air pollution.
4. To assist private landowners, Panchayats and Institutions for raising plantation over their lands to meet timber, fuelwood and wood for their local requirements.
5. Acquisition of critically eroding/located lands for better conservation and afforestation.
6. To promote and preserve wild life in the State and preserve wild life in captivity by completing the establishment of Zoo at Chhat Bir.
7. To implement an intensive programme of research, extension training and education in forestry to provide State with better facilities for raising tree crops in the State.

4.50. In order to continue the forestry operation in the State, an outlay of Rs. 3200.00 lakhs is provided for the Seventh Five-Year Plan 1985-90 and an outlay of Rs. 500.00 lakhs for the Annual Plan 1985-86 against an outlay of Rs. 450.00 lakhs during 1984-85. The main programmes to be implemented under this sub-head are briefly discussed below:—

Forest Research, Education and Training

4.51. Forest research will be conducted partly by the Punjab Agricultural University, Ludhiana and partly by the department. The research will be conducted in various forestry problems, utilisation of forest produce and to find other suitable species for the State. It is also proposed to provide training to various levels of forestry officials and officers and educate the workers in developing agency and people for raising forest plantations and providing better understanding between local people and forest staff. An outlay of Rs. 400.00 lakhs is provided for the Seventh Five-Year Plan 1985-90 and an outlay of Rs. 23.00 lakhs for the Annual Plan 1985-86 against an outlay of Rs. 8.50 lakhs for 1984-85.

Plantation Schemes

4.52. An outlay of Rs. 1,990.00 lakhs is provided for the Seventh Five-Year Plan 1985-90 and an outlay of Rs. 373.00 lakhs for the Annual Plan 1985-86 for undertaking afforestation over the areas owned by the individuals and State waste lands under the control of Forest Department. Plantation of economic species like Shisham, Kikar, Eucalyptus, Khair Mulberry, Poplar and Chil, etc. would be raised in block forests and strips along Railways lines Roads and canals to meet the agricultural, domestic and industrial requirements under the main scheme of social forestry including rural fuel-wood plantations. An outlay of Rs. 1800.00 lakhs including central share of Rs. 900.00 lakhs is provided for the Seventh Five-Year Plan.

About 18,600 hectare area will be planted up with fuel-wood species and 700 lac plants will be supplied from the forests nurseries to the private individuals, Panchayats and institutions for planting in their lands during the Seventh Five-Year Plan. During the year 1985-86, a sum of Rs. 300.00 lakhs including Central share of Rs. 150.00 lakhs is provided to plant 5000 hectares of Government land and supply of 150 lakh plants to the private individuals, panchayats and institutions. Under the scheme 'Raising of Forest plantation in Government lands an outlay of Rs. 680.00 lakhs has been provided to plant an area of 13,700 hectares during the Seventh Five-Year Plan 1985-90. In the Annual Plan 1985-86 an amount of Rs. 162.00 lakhs is provided for raising plantations over an area of 2300 hectares.

4.53. Under the 100% Central Sector Scheme 'Soil Water and Tree Conservation' it is aimed to have an integrated development of watershed through the adoption of various afforestation and soil conservation measures. During the Seventh Five-Year Plan, an outlay of Rs. 800.00 lakhs is provided for afforestation and soil conservation measures over 16,000 hectares. For Annual Plan 1985-86, an outlay of Rs. 150.00 lakh is provided for afforestation an area of 3,750 Hectares.

4.54. Under the scheme 'Farm Forestry' an outlay of Rs. 400.00 lakhs is provided for the supply of 400 lac plants to the public during Seventh Five-Year Plan 1985-90. An outlay of Rs. 60.00 lakhs is provided for the year 1985-86 for the distribution of 90 lakh plants to the public.

Construction of Buildings

4.55. This scheme is already included under Sixth Five-Year Plan. With the proposed extension of activities of Forest Department, it is felt to provide more buildings during the Seventh Five-Year Plan. Provision of Government accommodation at Government expenses is very necessary, as the staff is generally posted in remote areas at the odd places where suitable accommodation is not available at reasonable rents. Keeping this in view, an outlay of Rs. 150.00 lakhs is provided for construction of buildings during the Seventh Five-Year Plan. An outlay of Rs. 5.00 lakhs is provided for the year 1985-86 for the construction of staff quarters.

Preservation of Wild Life

4.56. An outlay of Rs. 510.00 lakhs is provided for the Seventh Five Year Plan 1985-90 and an outlay of Rs. 77.30 lakhs for the Annual Plan 1985-86 for this programme. This programme covers (i) Preservation of Wild Life; (ii) establishment of Zoo at Chhat Bir, and (iii) Assistance for Development of selected zoos.

Other Programmes

4.57. Under the other programmes for the schemes (i) Demarcation and settlement of forest areas, (ii) State share capital of the equity in forest Corporation, and (iii) acquisition of critically eroding/located lands; funds have been provided. For the main scheme for

acquisition of critically eroding/located lands, an outlay of Rs 100.00 lakhs is provided for the Seventh Five-Year Plan and an outlay of Rs. 9.00 lakhs for the Annual Plan 1985-86. This new scheme has been introduced keeping in view the significant amount of area present in Shivalik hills which are seriously eroded and are not covered under sections 4 and 5 of the Punjab Land Preservation Act. These areas are mostly privately owned. It is necessary to acquire these lands for afforestation purposes. This will increase the areas under Forests and will be quite beneficial for the security purpose.

COMMUNITY DEVELOPMENT AND PANCHAYATS

4.58. In pursuance to the guidelines of Government of India, special programmes for rural development and particularly the anti-poverty programmes are proposed to be implemented with an accelerated pace during the 7th Five-Year Plan under this sub-head of Development. Substantial outlays have been provided for the programmes like IRDP, NREP and RLEGP to increase the incomes of the rural poor and the landless labourers to enable them to cross the poverty zone. Another main programme aims at rural sanitation through pavement of streets and construction of drains coupled with appropriate disposal of sullage water which now collects in open spaces or ponds and is a breeding source for mosquitoes. Schemes relating to the improvement of lot of women and children in rural areas are also proposed to be implemented with greater emphasis on improvement of nutritional diet by making women-folk more self-reliant by providing them seed money and loan assistance through District Rural Development Agencies for creation of revenue earning assets through DWACRA.

4.59. An outlay of Rs. 7,039.00 lakhs for the 7th Five-Year Plan and Rs. 821.00 lakhs for 1985-86 has been provided for this sub-head. Major part of the outlay is for the following schemes :—

Schemes	(Rs. in lakhs)	
	Outlay	
	1985-90	1985-86
1	2	3
(i) CD 4.1 Assistance to Rural Development Agencies under IRDP	1,057.00	300.00
(ii) CD 4.3 Interest subsidy on loans to be advanced to the economically weaker sections under IRD in rural areas	2,000.00	100.00
(iii) CD 3.3 Pavement of streets and Construction of drains	3,000.00	277.00
(iv) CD 3.1 Financial assistance to Panchayati Raj Institutions for expenditure on revenue earning schemes	300.00	40.00

Integrated Rural Development Programme

4.60. Under Integrated Rural Development Programme, capital subsidy to the extent of 33% is being provided by the State Government and Government of India on matching basis while the loan portion for a particular venture is being financed by the Commercial Banks. Subsidy with a ceiling of Rs. 3,000 and loan upto Rs. 10,000 is given to a beneficiary for the establishment of a single industrial unit. An amount of Rs. 10.57 crore has been earmarked for the implementation of this programme during the 7th Plan period for covering 1,81,200 beneficiaries (1,35,900 old and 45,300 new). As this scheme is being implemented at National Level throughout the country, matching contribution would flow from Government of India. During 1985-86, it is proposed to provide second dose of assistance to 38,940 old beneficiaries while 12,980 new beneficiaries will also be covered under this programme. An outlay of Rs 300.00 lakhs has been provided for this purpose. Matching assistance will flow from G.O.I. Besides it is also anticipated that Bank loans amounting to Rs 10.03 crores will also be arranged for the target group through the District Rural Development Agencies for the indentified beneficiaries to enable them to raise their income to cross the poverty line. Interest on bank loans is being subsidized by the State

Government for which the required provision has been made under the scheme CD 4.3 'Interest subsidy on loans to be advanced to the economically weaker sections under IRD in rural areas'. The main thrust of this programme would be on setting up various types of industrial units and absorption of unemployed persons in Industries, Services and Business enterprises.

TRYSEM

4.61. This scheme aims at equipping rural youths with necessary skill and technology to enable them to seek self-employment. The training courses have a practical bias on the concept of learning by doing. The training is provided in selected trades on areas of activity which can lead to self-employment. The training is being imparted by the existing training institutions such as Gram Sewak Training Centres, Agriculture and other Universities, I.T.I.s and other existing State and Central Organisations. A very important mode of training is through local service establishments, industrial units, Master Craftsmen, artisans and skilled workers.

4.62. The progress under Integrated Rural Development Programme is given in the table below :—

Item	Achievements					Total 6th Plan	7th Five Year Plan 1985-90 Target	1985-86 Target
	1980-81	1981-82	1982-83	1983-84	1984-85			
	2	3	4	5	6			
1. Expenditure during the year	647.66	804.05	1093.22	950.76	1055.59	4551.28	2114.00	600.00
2. Subsidy advanced								
(i) Scheduled Castes	252.62	315.22	459.84	426.00	475.34	1929.02	792.75	250.75
(ii) Others	311.86	330.93	412.71	340.65	390.18	1786.33	792.75	250.75
Total	564.48	646.15	872.55	766.65	865.52	3715.33	1585.50	501.50
3. Bank Loans advanced								
(i) Scheduled Castes	279.74	626.33	972.10	868.88	968.73	3715.78	1585.50	501.50
(ii) Others	775.07	500.74	888.84	708.49	813.79	3686.93	1585.50	501.50
Total	1054.81	1127.07	1860.94	1577.37	1782.52	7402.71	3171.00	1003.00
4. Beneficiaries covered								
(i) Scheduled Castes	26796	39931	52581	41235	41606	202,149	90600	25960
(ii) Others	36565	46936	45854	31728	32530	193613	90600	25960
Total	63361	86867	98435	72963	74136	395762	181200	51920
5. Persons trained under trysem	2688	8671	16535	16331	11870	54095	23600	4720

(Rs. in lakhs)

4.63. An outlay of Rs. 1057.00 lakhs for the 7th Plan and Rs. 300.00 lakhs for 1985-86 has been provided under the scheme CD 4.1 'Assistance to Rural Development Agencies under Integrated Rural Development Programme'. Besides, an amount of Rs. 20.00 crore for the 7th Plan and Rs. 1.00 crore for the Annual Plan 1985-86 has been provided as interest subsidy under the scheme CD 4.3. "Interest subsidy on loans to be advanced to the economically weaker sections under IRD in rural areas".

Pavement of Streets

4.64. The Programme 'Pavement of Streets and Construction of Drains' was first taken up in 1973-74 as a part of drive for the improvement of village sanitation. A sum of Rs. 2.70 crores was spent on this programme upto 1979-80. It was only in the Sixth Plan that the programme was taken up in a big way and substantial allocations were made. From the date of commencement of the programme till the end of 1984-85, an amount of Rs. 42.26 crores would have been spent on this programme of which Rs. 8.77 crore will have been received from the Government of India as contribution under N.R.E.P. The sanction of funds under this scheme and the physical targets during the Sixth Plan has been as under :—

(Rs. in lakhs)

Item	Expenditure			Total
	1980-83	1983-84	1984-85	
1	2	3	4	5
Funds sanctioned to Panchayats				
(a) Normal budget	1129.00	537.00	536.00	2202.00
(b) Food for works/ NREP (including G.O.I. share)	690.30	495.00	568.80	1754.10
Total	1819.30	1032.00	1104.80	3956.10
Number of villages covered wholly or partially	2517	993	2544	6054

4.65. Out of 12,188 villages 9,033 villages have been taken up under various schemes upto 1984-85. It has been reported that due to paucity of funds most of these villages have been covered partially and only 686 villages have been covered in their entirety. Even in these villages, sullage has been allowed to collect in ponds and final disposal has been left untouched. The average estimated cost per village for pavement of streets and construction of drains has been estimated at Rs. 2.10 lakhs and another Rs. 0.50 lakh is required for disposal of sullage water. It is estimated that an amount of Rs. 238.46 crores, likely to increase to Rs. 357.69 crores due to cost escalation during next ten years, is required for completion of work in 8,347 partially covered and the remaining 3,155 villages.

4.66. From the above information, it is evident that the acceptance of the programme has very huge financial implications and as such the funding of this programme will have to be phased over a longer period of time in the context of overall priorities of the State and an integrated approach to improvement in quality of village life.

4.67. An Outlay of Rs. 30.00 crores has been provided for this scheme for the 7th Five-Year Plan. For 1985-86 the provision has been kept at Rs. 2.77 crores. An additional amount of Rs. 0.82 crore is being provided for pavement of streets in Harijan basties under the Sub-Head 'Social Welfare' raising the outlay to Rs. 3.59 crores for this programme. Besides, the department would be in a position to utilise an amount of Rs. 5.06 crores under National Rural Employment Programme to be shared by the State Government and Government of India on matching basis. This would imply a total provision of Rs. 8.65 crores on the Programme 'Pavement of Streets and Construction of Drains' during 1985-86. Besides, 25% cash contribution is expected from sound Panchayats apart from voluntary labour in the shape of earth filling contributed by almost all Panchayats. It is anticipated that with the provision of these funds it would be possible to cover about 4000 villages during Seventh Plan and 1,340 villages during 1985-86.

Financial Assistance to Panchayati Raj Institutions for Revenue Earning Scheme

4.68. The object of this scheme is to advance loans to Panchayati Raj Bodies to enable them to develop their sources of recurring income. This scheme was introduced during the year 1957-58. By the end of the year 1984-85, 2,551 Panchayati Raj Bodies including Panchayats have availed loans amounting to Rs. 469.25 lakhs. These loans are repayable by these bodies in yearly instalments within a period of 15 years. 3% interest is being charged on these loans since the year 1969-70. However Border and sub-montane areas are exempted from this interest. The schemes which are being financed at present are construction of shops, installation of tubewells on shalmat land etc. During the Seventh Plan it is also proposed to advance loans for making bigger shopping complexes, Bank buildings, reclamation and development of shalmat lands and other assets which can help Panchayati Raj Bodies to become self-sufficient in the matter of finances.

4.69. An outlay of Rs. 300.00 lakhs for the 7th Plan and Rs. 40.00 lakhs for the Annual Plan 1985-86 has been provided under this programme.

Panchayat Ghars and Community Halls

4.70. Grant-in-aid for construction of Panchayat Ghars is being provided @ Rs. 25,000 for each Panchayat Ghar. The rest of the cost and land required for the building will be provided by the concerned Panchayat. 5,328 Community Centres were constructed under the Community Development Programme during the period 1952 to 1965-66. Besides 1,494 Panchayat Ghars were constructed by the Panchayats out of their own resources and 1289 Panchayat Ghars have been constructed under this

scheme upto the year 1984-85. An outlay of Rs. 150.00 lakhs for the 7th Plan and Rs. 20.00 lakhs for the Annual Plan 1985-86 has been provided for the construction of 600 and 80 Panchayat Ghars respectively. This common place can also be fruitfully utilized to serve as an information centre for dissemination of knowledge with regard to various developmental activities being implemented at village, block or District level.

Development of Women and Children in Rural Areas :

4.71. Under this new centrally sponsored scheme, 15 to 20 women would form a homogeneous group and 30 women groups are to be formed in each block in selected districts. These homogeneous women groups are to work on the following lines :—

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

4.72. This scheme has been initiated during the current year. An outlay of Rs. 100.00 lakhs for the 7th Plan and Rs. 10.00 lakhs for 1985-86 has been provided for this scheme. Matching assistance would be forthcoming from Government of India. In addition UNICEF would meet the expenditure on account of staff and basic child care facilities at N.R.E.P. work sites and equipment for training demonstration and child care facilities.

Assistance to Mahila Mandals, Balwadis and Craft Centres :

4.73. Two Schemes namely 'Promotion and strengthening of Mahila Mandals' and 'Composite Programme for women and Pre-School Children strengthening of Craft Centres' are being implemented by the department for improving the lot of women and children in the rural areas. Out of 12188 villages of this State Mahila Mandals have been organised in 10432 villages. The main function of this institution is not only to impart skills to women folks so as to enable them to augment earnings but also to propagate the eradication of social evils such as dowry, drinking menace etc. This organisation is also expected to play a very important role in motivating people to go in for family planning measures.

4.74. An outlay of Rs. 40.60 lakhs for the Seventh Plan and Rs. 8.12 lakhs for 1985-86 has been provided under the scheme CD 2,2 'Pro-

motion and strengthening of Mahila Mandals. Under this scheme Mahila Mandals are provided seed money @ Rs. 5,000 for each Mahila Mandal. The Mahila Mandals are taking up various economic activities like manufacturing of Durries, preparation of washing soap, leather purses and bags, shuttle checks, pullovers, garments and embroidered articles etc. Some of the Mahila Mandals have also taken up socio-economic schemes like hiring of shamianas, utensils etc. at the time of marriages and other functions. Office bearers of Mahila Mandals are provided training in setting up of Balwadis, Kitchen gardens, poultry units, mother and child care, adult literacy and family planning etc. The funds for the various programmes are provided as under :—

	Seventh Annual Plan 1985-90	Annual Plan 1985-86
1	2	3
(a) Equity @ Rs. 5,000 for taking up various economic activities for 118 Mahila Mandals annually.	29.50	5.90
(b) Honorarium to Secretaries of 590 Mahila Mandals @ Rs. 25 p.m.	8.85	1.77
(c) Training of office bearers and members of Mahila Mandals	2.25	0.45
Total	40.60	8.12

4.75. An outlay of Rs. 56.00 lakhs for Seventh Plan and Rs. 11.20 lakhs for 1985-86 has been provided under the Scheme CD 3.2 'Composite Programme for women and Pre-School Children-strengthening of craft centres for the following purposes:—

	(Rs. in lakhs)	
	Seventh Annual Plan 1985-90	Annual Plan 1985-86
1	2	3
(a) Assistance to 354 Balwadis every year @ Rs. 1,000	17.70	3.54
(b) Assistance to 472 Craft Centres every year @ Rs. 1,000	23.60	4.72
(c) Nutrition education Rs. 200 per centre for 10 centres in each block	11.80	2.36
(d) Staff for Intensive Development Programme in selected A.N.P. Blocks	2.90	0.58
Total	56.00	11.20

Matching Grants to Panchayats :

4.76. Another important scheme Matching grants to Panchayats for development works started in 1979-80 aims at overall rural development through community involvement and by tapping local resources. In order to induce Panchayats to undertake development works on their own, the State Government will offer matching contribution in terms of money. Upto the year 1984-85, 4440 Panchayats including 450 Panchayats during 1984-85 have benefited under this scheme. An outlay of Rs. 200.00 lakhs for 7th Plan and Rs. 33.00 lakhs for 1985-86 has been provided for this scheme. With this grant 400 Panchayats are expected to be benefited during the 7th Plan and 50 Panchayats during 1985-86.

Popularisation of smokeless chullahs in rural areas:

4.77. This scheme has been started from the current financial year 1984-85 with the aim to facilitate cooking by the rural households with minimum possible health hazards by introducing Smokeless Chullas. An outlay of Rs. 5.00 lakhs has been provided for the 7th Five Year Plan to popularise smokeless chullahs in rural areas. Besides this the Government of India have also agreed to provide an amount of Rs. 37.50 lakhs for the year 1984-85 and Rs. 392.50 lakhs for the 7th Five-Year Plan and Rs. 39.25 lakhs for the annual plan 1985-86 as 100% share of Government of India. 2500 villages would be made as smokeless villages and 5,00,000 Chullas would be installed during the 7th Five Year Plan period.

State Institute of Rural Development :

4.78. Ministry of rural Development Government of India has decided that each State may restructure and remodel the training Institutions at State level to cater to the training requirements in the context of present policies priorities and programmes with special emphasis on poverty eradication programme. 50% of the expenditure or Rs. 30.00 lakhs to be availed as EEC assistance will be provided by Government of India for this purpose. An outlay of Rs. 30.00 lakhs for the Seventh Plan and Rs. 6.00 lakhs for 1985-86 has been provided for setting up State level Training Institute for rural Development.

National Rural Employment Programme :

4.79. National Rural Employment Programme is financed by the Government of India and the States

on matching basis. It was started in April, 1977, as a Non-Plan scheme known as 'Food for Work Programme.' The aim was to strengthen the rural infrastructure with a view to provide direct boost to the economy and raising the standard of rural life by increase in income or creation of durable assets. Since the major emphasis is on creation of employment, 50 per cent of the funds under the programme are to be utilised as wages and the balance on materials. The programme has three basic objectives as under :—

- (i) Generation of additional gainful employment for the unemployed and under-employed persons, both men and women in rural areas ;
- (ii) Creation of durable assets for strengthening rural infrastructure which lead to rapid growth of rural economy and steady rise in the income levels of the rural poor ;
- (iii) Improvement of nutritional status and the living standard of the rural poor.

4.80. The programme is being implemented as a centrally-sponsored scheme on 50 : 50 basis between the Centre and the State. The work of implementation of this programme is being entrusted to District Rural Development Agencies which are implementing the I.R.D. Programme. An outlay of Rs. 15.80 crores in the 7th Plan and Rs. 3.16 crores for 1985-86 has been provided for this programme as State share. It is anticipated that about 4000 villages in the Seventh Plan and 1340 villages in 1985-86 will be taken up for pavement of streets and construction of drains with the funds available in the State Plan, N.R.E.P. and the contribution of Panchayats. The Forest Department proposes to do plantation work in 12640 hectares during 7th Plan and 2528 hectares during 1985-86 on community lands to create durable assets under this programme. It is also proposed to take some new schemes like construction of school buildings and drainage works etc. under this programme for improvement in the quality of village life. All these works are expected to generate employment of 76.35 lakh mandays during 7th plan against the achievement of 96.27 lakh mandays during the Sixth Plan. 15.27 lakh mandays of employment would be created during 1985-86 against 17.06 lakh mandays anticipated during 1984-85.

ANNEXURE

IMPORTANT STATISTICS

Community Development and Panchayats

1. Integrated Rural Development Programme		(iv) Number of villages yet to be covered	3,155
AS PER GOVT. OF INDIA			
	Lakhs	3. Mahila Mandals / Balwadis	
(i) Number of families living below the poverty line in rural areas as per NSS Survey of 1977-78 @ 11.87% ..	3.95	(i) Total No. of Mahila Mandals in the State upto 31st March, 1985 ..	10,432
AS PER STATE GOVERNMENT.			
(ii) Number of families living below the poverty line in rural areas as per house to house survey carried out in 1980-81 ..	lakhs 7.44	(ii) No. of registered Mahila Mandals out of (i) above ..	6232
(iii) Number of families covered during the 6th Plan ..	3.96	(iii) No. of Mahila Mandals granted seed money upto 31st March, 1985 ..	826
(iv) Number of families not covered during the Sixth Plan ..	3.48	(iv) No. of Balwadis functioning in the State as on 31st March 1985 ..	354
(v) Number of additional families identified as living below the poverty line after the survey ..	2.17	(v) No. of craft centres functioning as on 31st March, 1985 ..	472
(vi) Total no. of families which remain to be covered ..	5.65	4. Panchyat Ghars	
2. Pavement of Streets and construction of drains		(i) Total No. of Panchayats in the State as on 31st March, 1985 ..	10,950
(i) Total number of villages covered up to 1984-85 ..	9,033	(ii) Number of community centres constructed upto 1965-66 ..	5,328
(ii) Number of villages fully completed of (i) above ..	686	(iii) Number of Panchayat Ghars constructed by Panchayats out of their own resources	1,494
(iii) Number of villages completed partially	8,347	(iv) Number of Panchayat Ghars constructed with State funds upto 1984-85 ..	1,289
		(v) Total (ii.+iii.+iv) ..	8,111
		(vi) Number of Panchayats left uncovered	2,839

CHAPTER V

COOPERATION

Cooperatives have been viewed as an important instrument for decentralisation of economy and encouraging local initiative. They enable the small producers to secure economies which are otherwise available only to the large producers.

5.2. The main thrust of the Cooperation Department during the 7th Plan period will be to set up agrobased processing units and to provide increased short term and long term credit for meeting agricultural requirements of the farming community. Besides, it is also envisaged to accelerate the Dairying Programme under Operation Flood-II with the main aim of marked increase in milk output and milk products. This will provide the farmer with a remunerative supplementary activity, thus promoting diversification of agriculture. Commercial dairy farming on scientific lines would provide the educated unemployed a new avenue of gainful self-employment.

5.3 The schemes under this sub-head are being implemented by two departments namely Department of Cooperation and the Department of Cooperative Audit. Allocations made for these Departments are as under:—

(Rs. in lakhs)

Department	Sixth Plan likely expenditure	1985—90 outlay	1985-86 outlay
1	2	3	4
Cooperation ..	3953.64	6385.00	977.00
Cooperative Audit ..	55.76	200.00	30.00
Total ..	4009.40	6585.00	1007.00

5.4 Advancement of short-term loans are proposed to be stepped up from likely achievement of Rs. 330.00 crores during 1984-85 to Rs. 600.00 crores by 1989-90. Similarly long term loans are proposed to be increased from Rs. 52.00 crores to Rs. 88.00 crores in the terminal year of the 7th plan. To achieve these targets, it has been proposed to strengthen the equity base of Primary Cooperative Credit Societies and the Cooperative Banks. An outlay of Rs. 700.00 lakhs has been proposed for the 7th Plan under the scheme CN 2.3 "Share capital contribution to Apex, Central and Primary Credit Institutions/Societies" against the likely expenditure of Rs. 536.00 lakh during the 6th Plan period. An amount of Rs. 134.00 lakhs has been earmarked for the Annual plan

1985-86 for contribution as share capital in Apex Central and Primary Societies. Share capital assistance has been proposed as per detail below:—

(Rs. in lakhs)

Type of Society/Banks	1985—90 outlay	1985-86 outlay
1	2	3
(i) Central Cooperative Banks	100.00	20.00
(ii) Primary Cooperative Land Mortgage Banks ..	75.00	14.00
(iii) Primary Cooperative Agricultural Service Societies	525.00	100.00
Total ..	700.00	134.00

5.5 Under the Programme 'Credit Cooperatives' an amount of Rs. 70.00 lakhs has been provided under the scheme 'Assistance to reorganised Agricultural Service Societies as bad debt reserves (risk fund)' @ Rs. 14.00 lakhs for each year of the 7th Plan. Allocation under the scheme 'Assistance to Central Cooperative Banks for Agricultural Stabilisation fund' is proposed to be stepped up from expenditure of Rs. 30.00 lakhs during the Sixth Plan to Rs. 100.00 lakhs for the 7th Plan. An outlay of Rs. 5.00 lakhs has been provided for this purpose for 1985-86. An amount of Rs. 25.00 lakhs has been allocated under the scheme 'Assistance to Central Cooperative Banks and Primary Agricultural Service Societies as risk fund for consumption loan.' An equal amount is expected to be provided by Government of India as this scheme is to be funded by the Central and the State Government on matching basis. Besides, an amount of Rs. 50.00 lakhs has been provided under the scheme 'Assistance to Punjab State Cooperative Land Mortgage Bank for development of longterm structure' and allocation of Rs. 100.00 lakhs has been made for the scheme 'National grid for construction of rural godowns' for the 7th Plan. Matching assistance will flow from G. O. I.

5.6 The Programme for construction of rural as well as wheat storage godowns was initiated in this State under NCDC II World Bank Cooperative Storage Project. According to the approved programme 1550 rural godowns and 200 marketing godowns of the capacity of 4 lac Metric tonnes each were to be completed in a period of 5 years commencing from 1981-82 to 1985-86. The project period has now been extended by NCDC upto 1986-87. These godowns range from 100 M. Tonne to 500 M. Tonne capacity in case of rural godowns and 1000 M. Tonne to 4000 M. Tonne

capacity in respect of marketing godowns. Initial target of construction of 4 lac metric tonne godowns each at Primary and Mandi level has subsequently been revised in favour of Mandi level godowns with a view to meet the shortage of comparatively bigger godowns. The Department, therefore, now plans to construct 8 lakh metric tonne capacity godowns at Mandi level and 3 lakh M. Tonne capacity godowns at primary level under NCDC II project.

5.7. The financial pattern of construction of godowns under NCDC II Project is as under:—

- (i) Share Capital by the State Government 20%
- (ii) NCDC loan for contribution as share capital .. 25%

(iii) NCDC direct loan assistance through Punjab State Cooperative Bank ..	50%
(iv) Societies Contribution ..	5%
Total ..	100%

Total envisaged cost of this project as per project report is Rs. 54.52 crore, out of which State share is Rs. 10.90 crore. An amount of Rs. 507.13 lacs has already been provided upto 1983-84. Besides an outlay of Rs. 120.00 lakhs has been provided during 1984-85 leaving a balance of Rs. 462.87 lakhs which is being fully provided in the 7th Five Year Plan.

5.8. The funds provided and the progress made in respect of construction of godowns under this Programme has been as under:—

Year	Funds Sanctioned Rs in lakhs		Number of godowns		Capacity (M Tonnes)		Godowns completed upto 31-3-1985.			
	Rural	Marketing	Rural	Marketing	Rural	Marketing	Rural		Marketing	
							No.	Capacity (M. Tonnes)	No.	Capacity (M. tonnes)
1	2	3	4	5	6	7	8	9	10	11
1980-81 (Pre project year) ..	—	59.50	—	42	—	83850	—	—	42	83850
1981-82 ..	74.02	59.75	319	43	73000	80400	317	73000	43	80400
1982-83 ..	98.06	56.80	356	43	82600	81200	321	74400	43	81200
1983-84 ..	114.50	44.50	353	31	87300	58200	332	81800	22	42350
1984-85 ..	60.01	59.9	190	38	53300	64700	14	3500	—	—
Total ..	346.59	280.54	1218	197	296200	368350	986	232700	150	287800

In addition to 986 rural and 150 marketing godowns, which have been completed upto 31st March, 1985, 106 rural godowns (29400 M. Tonnes capacity) and 47 Mandi level godowns (80550 M. Tonnes capacity) are under construction. Progress in this respect is, therefore, satisfactory.

5.9. An outlay of Rs 463.00 lakhs for the 7th Plan period and Rs. 100.00 lakhs for 1985-86 has been provided under the scheme CN 5.4 'Construction of wheat storage godowns under NCDC II Project' for the completion of 5,12,000 and 1,44,000 Metric tonne godowns, respectively inclusive of godowns under construction.

Cooperative Processing Units

5.10. The Punjab State Cooperative Supply and Marketing Federation (MARKFED) is also setting up agro-based processing units in addition to supply of inputs and procurement of foodgrains on behalf of Government. An outlay of Rs. 193.97 lakhs was provided to the Markfed during the 6th plan period for setting up various processing units. This Institution has been in a position to instal four Rice Mills of the capacity of 4 tonnes each per day and 6 cotton Ginning and Pressing Factories. Besides, expansion of Cattle Feed Processing Plant Gidderbaha and Vanaspati Plant Khanna was also undertaken during the 6th plan period. Cattle Feed Plant at Gidderbaha and High Density Polythene Woven Sacks Plant at Anandpur Sahib are under construction, assistance for which was sanctioned during 1984-85.

5.11. An outlay of Rs. 1069.00 lakhs has been provided for the 7th Plan period under the scheme CN 6.1 'Assistance to Markfed for setting up processing units for the installation of following plants

Unit	(Rs. in lakhs)	
	Project cost	State Share @26%
1	2	3
1. Weedicides Plant—7 tonnes/day ..	340.00	88.40
2. Soap and Glycerine Plant—10 MT/day ..	110.00	28.60
3. Husk Board Plant from agro-wastes 50 MT/day ..	550.00	143.00
4. Cattle feed Plant Kapurthala ..	120.00	31.20
5. Rice Mill—30 Tonnes per day ..	340.00	88.40
6. Starch Plant from waste grains ..	340.00	88.40
7. Single superphosphate fertilizer plant ..	500.00	130.00
8. Rice Mills—10 each of 4 MT/day ..	680.00	176.80
9. Packing paper and Board plant 20 TPD ..	300.00	78.00
10. Zinc Sulphate Plant ..	80.00	20.80
11. Vodka Plant—45 lac bottles/year ..	500.00	130.00
12. Vanaspati Plant—50 TPD ..	250.00	65.00
Total ..	4110.00	1068.60

A outlay of Rs. 88.00 lakhs has been provided for setting up a weedicides plant during 1985-86.

Cooperative Sugar Mills:

5.12. The Department of Cooperation proposes to set up five new Sugar Mills in the Cooperative Sector at Tarn Taran, Doraha, Nakodar, Budhlada and Ajnala during the 7th plan period. Part provision has already been made in the Annual Plan 1984-85 for Tarn Taran and Doraha Cooperative Sugar Mills. Besides, it is also proposed to take up modernisation of the Janta Cooperative Sugar Mills Ltd., Bhogpur at a total cost of Rs. 250.00 lakhs. An amount of Rs. 100.00 lakhs is being provided for this purpose in the seventh plan. The balance amount is to be met through term loan and growers contribution. The State share on account of setting up of five new Sugar Mills, modernisation of one mill and to meet the spillover requirement of two mills under construction has been estimated at Rs. 12.42 crores which is being fully provided in the 7th plan against 6th plan likely expenditure of Rs. 5.49 crore. Currently only about 25.25% of the total Sugarcane produced is being crushed in the existing 8 Sugar Mills in the State. The addition of five new Sugar Mills during the 7th plan will further increase the crushing capacity and provide incentive to the Sugarcane growers. An outlay of Rs. 305.00 lakhs is being provided in the Annual Plan 1985-86 for the following Mills:—

Name of Mill	Amount provided (Rs. in lakhs)
1. Fazilka	.. 17.50
2. Patiala	.. 13.00
3. Doraha	.. 114.50
4. Tarn Taran	.. 114.50
5. Nakodar	.. 45.50
Total	.. 305.00

5.13. According to the revised financing pattern of assistance funds are to be provided for each new mill as per detail below:—

	(Rs. in lakhs)
(i) Share capital contribution by the State Government	210.00
(ii) NCDC's contribution as share capital through State Government	.. 90.00
(iii) Term-loan from financial institutions @ 60% of total cost	600.00
(iv) Growers contribution @ 10% of total cost	.. 100.00
Total	.. 1000.00

Cooperative Spinning Mills:

5.14. The setting up of Spinning Mills is a high priority sector to ensure that benefits upto the level of processing can flow back to the farming community. During 6th Five-Year Plan three Spinning Mills have been set up at Abohar, Malout and Mansa with spindle capacity of 25000 spindles of each mill. Abohar and Malout Cooperative Spinning Mills went into commercial production in October, 1982 and February, 1984 respectively while the Mansa Cooperative Spinning Mills started its trial production in October, 1984, and is likely to start commercial production during 1984-85. The Nakodar Cooperative Cotton Waste Spinning Mills has also started its trial production since January, 1984. Besides, two Spinning Mills of 25000 spindles each are under construction at Tappa and Goinwal Sahib. State share for the establishment of these Mills has been fully provided. Progress of these Mills during 6th Five Year Plan has been slow as the Spinfed has not been in a position to tie up the term loan with the Financial Institutions so far. It is expected that the term lending Institutions would take up the appraisal of these Mills at the earliest and provide them term loan in accordance with approved financing pattern to enable the Spinfed to ensure their early completion. Out of Rs. 116.00 lakhs provided for Spinning Mills for 1985-86 an amount of Rs. 43.50 lakhs will be utilized to meet the overrun cost of Abohar, Malout and Mansa Spinning Mills, Rs. 40.00 lakhs are being provided for two ginning Mills and the balance for new Mills.

5.15. The financing pattern for setting up the Spinning Mills is as under:—

(i) State Share	.. 22.5%
(ii) NCDC share	.. 22.5%
(iii) Term loan from Financial Institutions like IDBI, IFCI, etc.	.. 50.0%
(iv) Growers contribution	.. 5.0%
Total	.. 100.0%

5.16. Punjab State is producing about 16% of the total production of cotton in the country but this State had only 3.88 lakh spindles as on 1st January, 1983 which is about 1.72 per cent of the total spindle capacity of the country as a whole. Average production of cotton during the last 6 years from 1978-79 to 1983-84 works to about 11.53 lakh bales for which spindle capacity required is 9.61 lakh spindles. Even with the commissioning of new Spinning Mills there still remains huge gap to be filled. It is, therefore, proposed to set up two new Spinning Mills during the 7th Plan period which is considered as the absolute minimum necessity. It is also proposed to have one cotton ginning and pressing unit within the Mills premises. Provision has, therefore, been made for setting up five ginning and pressing units so that each existing and the new proposed Mills, have one ginning and pressing factory. Besides, it is also proposed to set up a Central Laboratory for testing of cotton and

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yarn. This unit will be set up by the Punjab State Cooperative Spinning Mills Federation Ltd., (SPINFED) at a total estimated cost of Rs. 23.85 lakhs. An outlay of Rs. 142.50 lakhs has, therefore, been provided for the 7th Plan period as per detail below:—

(Rs. in lakhs)

Unit	Total cost of each unit	State share provided
1	2	3
(i) Two Spinning Mills ..	1275.00	573.75
(ii) Five Ginning and Pressing units ..	78.00	101.40
(iii) Central Laboratory for testing cotton and yarn ..	23.85	23.85
(iv) Overrun costs of Abohar, Malout and Mansa Mills ..	—	43.50
Total ..		742.50

Dairy Cooperatives :

5.17. Milk Producers Cooperative Societies eliminate the middle men between the producers and the Milk Plant, enable the members to avail institutional finance for purchase of cattle and facilitate procurement of inputs and services. The agreement with regard to implementation of prestigious Operation Flood-II Programme through the Milkfed Punjab was signed on behalf of the State Government and

the Indian Dairy Corporation on 31st December, 1979. IDC then approved various programmes for the expansion and installation of various milk plants, chilling centres, cattle feed plants and promotion of Farmers Organisation for enhancement of milk production, milk conservation and milk processing in the State at an estimated cost of about Rs. 58.32 crores which has later on been revised to Rs. 64.83 crores due to escalation in the cost of machinery and equipment etc. With the merger of Punjab Dairy Development Corporation in the Milkfed Punjab, four Milk Plants located at Mohali, Chandigarh, Ludhiana and Verka alongwith 20 attached Milk Chilling Centres were transferred to the Milkfed Punjab in April, 1983.

5.18. Milkfed Punjab has availed Rs. 21.02 crores in cash and kind under Operation Flood-II upto 31st March, 1985. The capacity of Sangrur, Jalandhar, Bhatinda and Hoshiarpur Milk Plants is being expanded and the work in this respect is likely to be completed before the close of the current cooperative year. Three new Milk Plants proposed to be set up at Gurdaspur, Patiala and Ferozepur are at various stages of construction, their completion schedules being December, 1985, March, 1986 and September, 1986, respectively. Ten Chilling centres have already been expanded while another 7 chilling Centres are in the process of expansion. Besides, two Cattle Feed Plants of the capacity of 200 Metric Tonnes per day are being set up at Gurdaspur and Bhattian (District Ludhiana).

5.19. Milkfed Punjab is operating 64 mobile veterinary units for providing free medical treatment to the milch cattle belonging to the members of the Milk Producers Cooperative Societies. Besides, 709 Artificial Insemination Centres have also been set up by the Milkfed upto 31st March, 1985. The progress in respect of various activities relating to Milkfed Punjab is depicted in the table below:—

Progress Report of Milkfed Punjab from 1980-81 to 1984-85 (Cooperative Year)

Serial No.	Particulars	Unit	Target		Achievement				
			1986-87 (O.F.II)	7th Plan 1985-90	1980-81	1981-82	1982-83	1983-84	1984-85
1	2	3	4	5	6	7	8	9	10
1	Total No. of societies organised	No. Cumulative	5000	6000	1252	1968	2777	3347	3716
2	Membership ..	..	325000	600000	58089	82889	124705	160704	191352
3	Milk Procurement ..	Av. Kg/day	900000	1720000	92830	147314	234279	273694	367000
4	No. of mobile veterinary routes	No. Cumulative	100	120	20	31	45	51	64
5	No. of A.I. centres ..	No. Cumulative	3500	5600	11	152	437	523	742
6	No. of animals inseminated ..	No.	380000	870000	256	3483	17702	24399	51247
7	Quantity of cattle feed sold	M. Tonnes	58400	156950	4752	7418	10608	16408	21032
8	Quantity of Fodder Seed distributed	M. Tonnes	934.00	1200.00	33.97	79.80	73.03	107.79	212.2

5.20. An outlay of Rs. 370.00 lakhs has been provided for the 7th plan under the programme 'Dairy Cooperatives' to provide equity to the milkfed and Milk Unions to meet the requirement of milk Unions for purchase of land and installation of independent power feeders and for expansion of Milk Plant, Ferozepur and three Chilling Centres along with city distribution system in the districts of Hoshiarpur, Gurdaspur, and Pathankot. An outlay of Rs. 30.00 lakhs is being provided during 1985-86 under the Scheme CN 7.1 'Share Capital Contribution to Primary Cooperative Milk Societies, Unions and Milk Federation' to meet their immediate requirements.

Housing Cooperatives :

5.21. State share capital of Rs. 2.02 crores will have been provided to the Punjab State Federation of Cooperative House Building Societies by the end of the Sixth Plan. It is proposed to strengthen its equity further by Rs. 2.00 crores during the 7th Plan out of which Rs. 10.00 lakhs will be provided during 1985-86. The Housefed has raised loans from L.I.C. amounting to Rs. 11.00 crores from 1980-81 to 1983-84 and it is likely to avail loan of Rs. 5.00 crores during the current year for the construction of 2200 and 1000 houses during the corresponding period. It advanced loans amounting to Rs. 11.34 crores from 1980-81 to 1983-84 for the construction of 2415 houses and another Rs. 3.15 crores for the construction of 1000 houses during the current year. The HOUSEFED proposes to raise loans amounting to Rs. 50.00 crores from L.I.C. and HUDCO during the 7th Plan for the construction of 7200 houses out of which Rs. 6.00 crores would be raised for the construction of 1000 houses during 1985-86. Housefed have undertaken the construction of Cooperative Housing Complex at Mohali (Phase X) comprising of 372 houses at the cost of over Rs. 3 crores. This project will be completed by the end of 1984-85. In addition the Housefed is acquiring Wakf Board land situated at Hazi Rattan, Bhatinda for construction of 4000 houses during the 7th Plan period for the benefit of lower and middle income groups.

Industrial Cooperatives :

5.22. There are about 2400 Industrial societies including 400 weavers societies functioning in the State. The members of these societies belong to weaker sections, mainly weavers, black smiths, carpenters, tanners, shoe makers, soap makers, etc. They are mostly illiterate and require subsistence employment. The societies are weak and are not in a position to run their business on sound lines without adequate financial assistance from the Government. The State Government as well as Central Government attach great importance to the economic uplift of these artisans. The primary weavers societies produced goods worth Rs. 69.76 lac during the year 1982-83 and marketed goods worth Rs. 76.3 lac during the same period.

5.23. There is an Apex body of the Handloom weavers cooperatives called WEAVCO. This society provides facilities like supply of raw materials and

marketing of finished goods. It also provides technical know-how to the primary weaver societies. The WEAVCO has opened 18 show-rooms upto the end of the 6th Plan. In the 7th Plan, the WEAVCO proposes to open 11 more show rooms within the State and 5 outside the State besides operating 5 mobile vans at a total cost of Rs. 25 lacs. It is also setting up 2 dyeing and finishing projects at Amritsar and Hoshiarpur. The total cost of these projects would come to Rs. 23.00 lac and 40 lac respectively. The Amritsar Dyeing and Finishing plant is nearing completion. This Unit is likely to come into operation during 1985-86. The plant at Hoshiarpur is also in progress. Necessary machinery has been purchased and it is also likely to come into operation during 1985-86. The WEAVCO has a programme to raise its rebate sales upto Rs. 5.00 crore during the 7th Plan period and for setting up Demonstration Centres and a quality control laboratory. Besides, it has proposed to set up workshops at various places in the State to augment the industrial production and to provide better weaving facilities to the weaver societies. This Institution has also set up 7 yarn banks at various places in the State to supply yarn to the Primary Handloom Cooperative Societies. The Handloom Apex is supplying the Hospital and other blankets to the West Bengal and Handloom House regularly since last 3-4 years. The WEAVCO sold goods worth Rs. 103.00 lakhs during 1982-83, 62.00 lakhs during 1983-84 and 90.00 lakhs during 1984-85.

5.24. A provision of Rs. 143.00 lac has been made for the 7th Five Year Plan under various schemes for Industrial Cooperative societies. Out of this provision, an amount of Rs. 18.00 lac stands provided for 1985-86.

Consumer Cooperatives :

5.25. The distribution of consumer articles in rural area has gained momentum through opening of retail outlets at each of the existing 2798 Cooperative agricultural service societies. As against the target of supply of consumer articles valuing Rs. 50.00 crore during 6th Plan consumer articles worth Rs. 80.11 crore have been supplied upto 1983-84 in rural areas. It is further anticipated that consumer goods valuing Rs. 25.00 crores would be supplied in rural areas during 1984-85. The National Cooperative Development Corporation is providing assistance for this purpose. An outlay of Rs. 25.00 lakhs for the 7th Plan and Rs. 5.00 lakhs for the Annual Plan 1985-86 has been provided as contribution to share capital of Central Consumer Stores and State Cooperative Consumers Federation.

Cooperative Education, Research, Training and Publicity:

5.26. An outlay of Rs. 75.00 lakhs for the 7th Plan and Rs. 14.50 lakhs for 1985-86 has been provided for the Cooperative Education, Research, Training and Publicity. An outlay of Rs. 62.00 lakhs for 7th Plan and Rs. 12.00 lakhs for 1985-86 has been provided under the scheme CN 12.1 "Assistance to Punjab Cooperative Union for Education, Training and Publicity." This assistance is being provided to meet the expenses on staff and to implement members education and leadership training programme. An

amount of Rs. 8.00 lakhs and Rs. 1.50 lakhs for 7th plan and 1985-86 respectively is being provided as assistance to Punjab Cooperative Union for case studies and research programme. The balance amount is for training of cooperative subordinate personnel.

Cooperative Administration:

5.27. An outlay of Rs. 8.00 crores for the 7th Plan and Rs. 1.00 crore for the Annual Plan 1985-86 has been provided under the scheme CN 1.1 'Additional Departmental staff' for continuance of the staff sanctioned during the 6th Plan and for some additional staff.

Cooperative Audit :

5.28. Regular, timely and effective audit is

essential for proper functioning of the Cooperative 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. 2.00 crore for the 7th Plan and Rs. 30.00 lakhs for the Annual Plan 1985-86 has been provided for meeting the expenses on the continuation of existing as well as new staff and training and education of audit staff:

Physical Targets and Achievements:

5.29. The Physical Targets and Achievements during the 6th Plan, 7th Plan and for the Annual Plan 1985-86 are given in the Annexure.

ANNEXURE

Serial No.	Item	Unit	Sixth five year plan (1980—85) Target	1980—83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985—90) Target	1985-86 Target
						Targets	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10
1	Co-operative Banks								
	(i) Branches	.. No.	590	602	602	602	602	625	604
	(ii) Deposits	.. Rs. in crore	290.00	244.83	226.65	225.00	255.00	425.00	275.00
2	Re-organised Primary Agricultural Service Societies	No.	2581	2798	2798	2798	2798	2798	2798
3	Agricultural Loan advanced during the year								
	(i) Short term	Rs. in crore	325.00	312.69	311.40	325.00	330.00	600.00	350.00
	(ii) Medium term	..	6.00	2.59	2.00	6.00	6.00	10.00	4.00
	(iii) Long term								
	(a) Ordinary	.. ..	98.00	35.63	48.72	60.33	59.12	63.00	10.00
	(b) Special ARDC	.. ..	132.00	82.12	117.04	160.23	158.04	287.00	45.00
4	Loans to small and marginal farmers								
	(a) Short term	.. %age to total	50	44.6	45	47	48	50	48
	(b) Long term	Agricultural loans	75	60	60	52	60	65	60
5	Overdue of short term Agricultural loans								
	(i) Central Coop. Banks	.. %age of demand	18	20.1	32.3	18	18	18	18
	(ii) Primary Agricultural Service Societies	.. ..	18	20	20	20	20	20	20
6	Fertilizer Retailed by Cooperatives								
	(i) Quantity	.. Lac tonnes	4.50	4.01	4.17	5.00	4.70	6.00	4.74
	(ii) Value	.. Rs. in crore	230.00	179.01	216.00	23.00	190.00	300.00	192.00
7	Agricultural produce marketed by cooperatives								
		Rs. in crore	350.00	577.25	223.54	350.00	245.10	450.00	300.00
8	Retail sale of consumer goods by the Urban Consumer Cooperatives								
		Rs. in crore	5.00	8.47	4.00	4.00	4.00	5.00	4.00
9	Retail sale of consumer goods through Cooperatives in rural areas								
		..	50.00	60.11	26.05	25.00	20.00	50.00	25.00
10	Co-operative Storage								
	(i) Rural Godowns	.. No.	4617	3395	3931	4400	4203	4400	4400
		Lac Tonnes	10.61	6.97	8.31	9.58	8.94	9.61	8.94
	(ii) Other Godowns	.. No.	909	852	876	936	910	1136	1016
		Lac Tonnes	10.65	8.52	8.94	10.54	9.53	14.65	10.65
11	Processing Units								
	(i) Organised	.. No.	49	61	64	67	67	97	73
	(ii) Installed	.. No.	49	54	58	59	59	91	60
12	Dairy Programme								
	(i) Fluid Milk Plants (including creameries in operation)	No.	5	3	9	10	9	11	9
	(ii) Milk Product Factories	.. No.	2	2	5	5	5	7	6
	(iii) Milk Producers Coop. Socs.	No.	4000	2192	3470	4200	4170	6000	4670
	(iv) Dairy/Milk Producers Unions	No.	11	10	11	11	11	11	11

ANNEXURE

Important Statistics

COOPERATION

Co-operative Societies

1. Total No. of Co-operative Societies in the State as on 30th June, 1984 ..	23765
2. No. of Agriculture Credit/Service Societies ..	4270
3. Total No. of Industrial Cooperative Societies in the State as on 30-6-1984 ..	6191
4. No. of Industrial Societies actually functioning out of (3) above ..	2493

Milk Plants

5. Total No. of Milk Plants in the State as on 30th June, 1985. ..	12	
6. Milk Plants in the Cooperative Sector as on 30th June, 1985 out of (5) above ..	8	Chandigarh, Mohali, Jalandhar, Hoshiarpur, Sangrur, Verka, Ludhiana and Bhatinda
7. Milk Plants under construction in the Cooperative Sector ..	4	Gurdaspur, Patiala, Faridkot and Ferozepur
8. No. of Milk Chilling Centres in the State as on 30th June, 1985 ..	41	
9. Milk Chilling Centres in the Cooperative Sector as on 30th June, 1985 out of (8) above ..	35	

Sugar Mills

10. Total No. of Sugar Mills in the State as on 30th June, 1985 ..	8	
11. No. of Sugar Mills in the Cooperative Sector out of (10) above ..	4	Bhogpur, Morinda, Nawanshahr and Batala
12. No. of Sugar Mills under installation in the Cooperative Sector ..	5	Patiala, Fazilka, Doraha, Tarn Taran and Nakodar
13. Total Sugarcane Production during the year 1983-84 ..	50.30 lakh tonnes	
14. Sugarcane crushed during 1983-84 ..	13.96 lakh tonnes	
15. Percentage of Sugarcane being crushed in the State ..	25.25%	

Spinning Mills

16. No. of Spinning Mills in the State (1984) ..	13	
17. No. of composite Mills in the State (1984) ..	2	
18. No. of Spindles installed ..	4.05 lakh	
19. No. of Spinning Mills in the Cooperative Sector (30th June, 1985) ..	4	Kotkapura, Abohar, Malout, and Mansa
20. No. of Spinning Mills under construction in the Co-operative Sector ..	2	Tappa and Goindwal Sahib
21. Total Production of cotton during 1983-84 ..	7.07 lakh bales	
22. Cotton produced in Punjab as percentage of total production of Cotton in the country ..	About 16%	
23. Spindlage capacity in Punjab as percentage of total Spindlage capacity of the country ..	About 1.72%	

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 fertilisers.

6.2. 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 84 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 unirrigated area mostly lies in the sub-mountainous tract which gets comparatively higher rainfall.

6.3. The strategy and the guiding considerations in implementation of the irrigation and flood protection programmes during the Seventh Five Year-Plan and the Annual Plan 1985-86 are as under :—

- (i) First priority would be given to 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 seventh Plan.
- (ii) New irrigation projects would be restricted to medium irrigation projects in backward and Sub-mountainous areas and to minor irrigation schemes which are capable of yielding benefits within the Seventh Plan.

(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 measures in vulnerable areas.

6.4. Though the percentage of net irrigated area sown during 1983-84 in the State was about 84 per cent, irrigation in the districts of Hoshiarpur and Ropar was as low as 38.1 per cent and 43.1 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 under the 'Kandi Water-shed and Area Development Project' with financial assistance from World Bank. Another project for the development of irrigation facilities in the Kandi and Backward areas of Hoshiarpur district relates to the construction of Kandi Canal. Some lift irrigation schemes are also on the anvil for providing assured means of irrigation to these areas.

6.5. 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 Seventh Five-Year Plan 1985—90. An outlay of Rs. 537.00 crores has been envisaged during this period. The details of outlays provided are as under :—

(Rs. in lakhs)					
Serial No.	Programme	Sixth Plan Approved outlay	Anticipated Expenditure 1984-85	Seventh Plan approved outlay 1985—90*	Annual Plan approved outlay 1985-86
1	2	3	4	5	6
1	Irrigation —				
	(i) Water Development	806.00	139.00	630.00	114.00
	(ii) Multipurpose Projects	14044.00	1220.00	—	—
	(iii) Major and Medium Irrigation schemes	17879.00	2836.00	26448.00	4809.00
	Total	32729.00	4195.00	27078.00	4923.00
2	Minor Irrigation—				
	(i) Agriculture Department	50.50	17.00	100.00	17.00
	(ii) Irrigation Department	221.50	31.00	3522.00	431.00
	(iii) Punjab State Tubewell Corporation	477.00	207.00	1000.00	174.00
	Total	749.00	255.00	4622.00	622.00
3	C. A. D.	3881.00	700.00	1600.00	600.00
4	Anti-waterlogging and Flood Control	2100.00	732.00	3700.00	802.00
	Grand Total (1+2+3+4)	39653.00**	5882.00	37000.00	6947.00

*Excludes Thein Dam and Shahpur Kandi Projects which have been reflected under the sub-head of Power.

**Includes un-allocated provision of Rs. 194.00 lakhs.

6.6. The irrigation programmes in the State include (i) Water Development (ii) Major and Medium Irrigation Schemes (iii) Minor Irrigation Schemes of the Departments of Agriculture, Irrigation and the Punjab State Tubewell Corporation. The various programmes are outlined below:—

Water Development

Investigation of schemes :

6.7. The available surface water resources, in Punjab State have already exploited and harnessed except waters of river Ravi for which Thein Dam is proposed. For the development of irrigation in the State in future, attention will have to be concentrated on making the most efficient use of water. Therefore, investigations are required for new schemes with orientation towards the goal of utilisation of the available water resources to get maximum return from irrigated land. Besides the existing arrangement for the investigation of new schemes and preparation of project reports for the improvement and modernisation of the existing irrigation system considerable attention will have to be focused on introducing new irrigation practices and modern water management techniques. For this purpose, it will be necessary to collect data on water requirements of crops, cropping patterns in vogue and the manner in which flow irrigation is actually utilised by the farmers. Apart from investigation of various schemes geological, hydrological, socio-economic and topographical surveys will also be undertaken. An outlay of Rs. 240.00 lakhs has been approved in the Seventh Five-Year Plan and Rs. 40.00 lakhs for the Annual Plan 1985-86.

Research Schemes:

6.8. A number of research schemes are to be carried out under the aegis of Irrigation and Power Research Institute, Amritsar. In order to carry out new research experiments to introduce modern techniques in irrigation technology and to suggest economical design criteria useful for future projects an outlay of Rs. 200.00 lakhs has been approved for the Seventh Five-Year Plan and a sum of Rs. 18.00 lakh for 1985-86.

Pilot Demonstration:

6.9. Besides the on-going modernisation programme for canal and watercourses based on the established technologies in Irrigation Department, the pilot demonstration project will introduce, testing and evaluation of the advanced irrigation technologies which are either so far untried in the State of Punjab or have only been attempted on minimum scale. The Directorate of Irrigation Pilot Demonstration and Project Co-ordination was established in July, 1979 and it has been entrusted with investigation, design and implementation of Pilot Demonstration Schemes in connection with improved irrigation technologies and to educate the farmers to adopt the most modern methods of irrigation in order to further improve the efficiency of irrigation. The estimated cost of the project is Rs. 279.00 lakhs. The scheme is a part of World Bank aided programme.

6.10. A sum of Rs. 121.31 lakhs was spent up to the end of March, 1985. An outlay of Rs. 100.00 lakhs is approved during the Seventh Plan and Rs. 24.00 lakhs for 1985-86 for operation and maintenance study and evaluation of existing seven sprinkler irrigation schemes.

Directorate of Water Resources (Kandi Water-shed and Area Development Project) Technical Assistance Research and Training.

6.11. The Government of Punjab has engaged a team of consultants for this project under Kandi Water-shed and Area Development Programme to investigate, plan and analyse various technical alternatives for water-shed planning, preparing feasibility reports for submission to the World Bank, monitoring progress and drafting technical guidelines criteria to enable the Government of Punjab to plan similar works in future. The team of the consultants has started working on the project. The consultants need surface water hydrology, sedimentation and ground water investigation data, besides topographic and contour surveys etc. for accomplishing their task. The Directorate of Planning and Design Studies has been set up by the Government since July, 1980 to provide counterpart services of the consultants and supply them the necessary data. The investigation of ground water and surface water potential and sedimentation load etc. is carried out by two divisions namely surface Water hydrology and Ground Water Investigation Division attached to this Directorate. Besides this, the World Bank requires counterparts to be trained overseas in their respective disciplines. An amount of Rs. 80.00 lakhs is approved to be spent during the Seventh Plan and Rs. 30.00 lakh during 1985-86, respectively.

Major and Medium Irrigation Schemes

Dhoibaha Dam :

6.12. This is one of the small dams being constructed under the 'Kandi Water-shed and Area Development Project' with financial assistance from the World Bank. The project involves the construction of an earth and rockfill dam with a maximum height of 32 meters across the Dholbaha Choe (Distt. Hoshiapur) 20 miles north-west of Hoshiarpur and one Km. up stream of Dholbaha. An area of 3745 hectares will be saved from the ravages of floods. Besides 2329 hectares would be reclaimed. The project is expected to be completed during 1985-86. A sum of Rs. 600.00 lakhs and Rs 200.00 lakhs has been approved for Seventh Plan and Annual Plan respectively. The estimated cost of the project, expenditure so far incurred and the benefits to be derived from the project are given as under:

(Rs in lakhs)

1. Estimated cost—

(i) Original (1977 prices)	..	349.40
(ii) Revised (1982 prices)	..	940.00

2. Expenditure incurred up to 1983-84..	471.95				(000' hect)
3. Spillover after 1983-84 ..	468.05	7. Ultimate irrigation potential ..	235		
4. Likely expenditure during 1984-85..	225.00	8. Potential created up to 1983-84 ..	226		
5. Outlay Seventh Plan ..	600.00	9. Potential likely to be created during 1984-85 ..	4		
6. Outlay 1985-86 ..	200.00	10. Target for Seventh Plan ..	5		
	(000 Hect.)	11. Target 1985-86 ..	1		
7. Total irrigation Potential ..	2.6				
8. Potential created up to 1983-84 ..	..			
9. Likely potential during 1984-85 ..	..			
10. Target 1985-86 ..	..			

Details of works to be carried out during 1985-86 area at Annexure 'III'.

Extension of non-perennial irrigation to areas in UBDC Tract.—

6.13. The project estimates for extension of non-perennial irrigation in UBDC tract amounting to Rs. 620.00 lakhs have been submitted to Government of India for technical clearance. These estimates have now been revised to Rs. 900.00 lakhs because of cost escalation. This project envisages the creation of an irrigation potential of 2.35 lakh 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 bank to cater for increased capacity have already been completed. Most of remodelling of masonry structures like falls, regulators, bridges are in progress for increased discharge, are expected to be completed by 1987-88 for which a sum of Rs. 250.00 lakhs during the Seventh Plan and Rs. 30.00 lakhs during 1985-86 is approved. The details of cost estimates, expenditure incurred, ultimate irrigation potential and potential actually created are as under:—

	(Rs in lakhs)
1. Estimated cost—	
(i) Original (1961 prices) ..	186.00
(ii) Revised (1972 prices) ..	620.00
(iii) Likely escalated cost on completion ..	900.00
2. Expenditure incurred up to 1983-84 ..	615.26
3. Spillover after 1983-84 ..	284.74
4. Likely expenditure during 1984-85 ..	30.00
5. Outlay approved for Seventh Plan ..	250.00
6. Outlay approved 1985-86 ..	30.00

The details of the works proposed to be executed during 1984-85 are at Annexure IV.

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 3.50 cs. per thousand acres at the distributory head for the areas lying South-West of the Ferozepur-Jhirka line and to extend irrigation to new areas. The revised project estimates amounting to Rs. 644.36 lakhs stands submitted to Government of India for clearance since July, 1974. Subsequently nine more schemes costing Rs. 340.10 lakhs have been sanctioned by the State Government for execution and chargeable to this project. Besides 'Raising banks of Eastern Canal System' with estimated cost of Rs. 90.73 lakhs and 'Raising/Lining of Sirhind Feeder' to provide authorised free board of 2.50 feet from head to RD 447927 with an estimated cost of Rs. 77.68 lakhs were also sanctioned. The total revised cost of the main project, therefore, works out to Rs. 1152.87 lakhs (Rs. 644.36 lakhs plus Rs. 340.10 lakhs plus Rs. 90.73 lakhs plus Rs. 77.68 lakhs). It envisages creation of an irrigation potential of 3.05 lakh hectares. The work on remodelling of most of the channels, extension of channels 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 for which an outlay of Rs. 250.00 lakh during the Seventh Plan and Rs. 75.00 lakhs during 1985-86 has been approved. The scheme is likely to be completed during 1987-88.

Details regarding cost estimates, utilisation of funds and creation of irrigation potential are as under:—

	(Rs in lakhs)
1. Estimated Cost—	
(i) Original (1965 prices) ..	186.55
(ii) Revised (1978 price) ..	1153.00
(iii) Likely escalated cost on completion ..	1338.00
2. Expenditure incurred up to 1983-84 ..	902.46
3. Spill-over requirements after 1983-84 ..	250.54
4. Likely expenditure during 1984-85 ..	75.00

5. Outlay approved for Seventh Plan ..	250.00	2. Expenditure incurred up to 1983-84 ..	1768.46
6. Outlay approved 1985-86 ..	75.00	3. Spillover after 1983-84 ..	1486.54
	(000' hect.)	4. Likely expenditure during 1984-85 ..	600.00
7. Ultimate irrigation potential ..	305	5. Seventh Plan approved outlay ..	2000.00
8. Potential created up to 1982-83 ..	248	6. Outlay approved for 1985-86 ..	300.00
9. Likely potential during 1983-84 ..	4		(000' hect.)
10. Target approved for Seventh Plan ..	53	7. Ultimate Irrigation potential ..	38.90
11. Target approved for 1985-86 ..	14.00	8. Potential created up to 1983-84 ..	16.20

The funds allocated in the Annual Plan 1985-86 would be spent on the works given in Annexure V.

Extension and Improvement of Shahnehar Canal System—

6.15. Shahnehar canal is an inundation canal off taking from river Beas at temporary Ray Head situated 5 Kms. downstream of Pong Dam. The scheme comprises the following:—

- (i) Remodelling extension and lining of existing Shahnehar Canal ; and
- (ii) Construction of Kandi Canal System.

6.16. On the completion of Shahnehar Barrage across river Beas, regular and regulated supplies would become available for feeding the Shahnehar Canal System. For extending irrigation to new areas and minimise the seepage losses to provide assured supplies, remodelling extension and lining of the existing channels has been undertaken. At present CCA under existing Shahnehar Canal System is 23,955 hectares. On completion of this project it would be possible to increase this CCA to 62860 hectares by extending irrigation to non-irrigation areas.

6.17. The construction of Kandi Canal System off-taking from left side of Mukerian Hydrel Channel at RD 5575 will provide irrigation to 34000 hectares of new areas. The length of this canal is 59.2 Kms. upto Hoshiarpur. The completion of this canal would bring all round benefits to Kandi areas of Hoshiarpur district which are economically and socially backward as compared to other areas of the State. For Seventh Plan an amount of Rs. 2000.00 lakh and for Annual Plan 1985-86 an outlay of Rs. 300.00 lakh has been approved.

Details of cost estimates, utilisation of funds, creation of irrigation potential are as under:—

(Rs in lakhs)

1. Estimated Cost—

(i) Original (1977 prices) ..	1063.00
(ii) Revised (1982 prices) ..	3255.00
(iii) Likely escalated cost on completion ..	6046.00

Details of works to be undertaken during the year 1984-85 are given in Annexure VI.

Lining of Channels Phase I

6.18. Since most of the surface water has already been exploited and there are no other means to conserve water which goes waste through seepage, emphasis has been laid on modernisation of earthen channels for improved functioning and better water management through lining of channels. The total length of irrigation channels in the State alongwith length of channels already lined is as per details given below :—

(Kms.)

Item	Main channels and branches	Distributaries and minors	Total
Total length of channels	2206	12276	14482
Length of channels lined upto 1983-84	506	4620	5126
Balance	1700	7656	9356

6.19. The World Bank has approved a project for lining of 4060 Kms. (214.50) lakhs square metres for distributaries/minors at a cost of Rs. 100.09 crores (revised 129.75 crores). The project which was taken up during 1979-80 is to be completed in five year i.e. by 1983-84. But there had been a shortfall in achievement of physical targets on account of non-availability of requisite supplies of raw material in the earlier years and also due to price escalation. The department now proposes to complete this project by March, 1986 with World Bank participation. Additional irrigation potential for 89,000 hect. will be

created by increasing water allowance and bringing additional CCA under Irrigation on the existing channels being lined under Phase-I of the project of lining of channels thereby utilising 850 c.s. of water saved. The discharge saved by lining of channels where

water allowance has not been increased or new CCA has not been added, will be utilised for executing new schemes through State water grid. The progress achieved under this World Bank aided programme is as under :—

Year	Financial progress (Rs. in crores) (Physical Progress (Kms.) (Lakh squaremeter)					
	Phasing of Expenditure as per agreement with World Bank	Plan Allocation	Actual Expenditure	Target as approved by World Bank	Target on the basis of Plan funds	Actual achievement
1	2	3	4	5	6	7
1979-80	12.03	11.02	11.12	730 (38.50)	640 (33.9)	624 (33.1)
1980-81	18.40	16.72	15.56	820 (43.75)	750 (39.8)	580 (30.5)
1981-82	21.70	18.48	19.58	880 (46.50)	920 (48.8)	826 (43.7)
1982-83	23.20	16.29	15.91	850 (44.75)	500 (26.3)	529 (27.8)
1983-84 (Last year of project)	24.76	22.00	21.81	780 (41.00)	625 (33.0)	635 (33.6)
Total	100.09 (129.75 revised)	84.51	83.98	4060 (214.50)	3435 (181.8)	3194 (168.7)
1984-85	—	20.75 (Anticipated)	18.04 (Anticipated)	—	435 (22.97)	429 (22.65)
1985-86	—	21.46	21.46 (Approved)	—	429 (22.65) (Approved)	429 (22.65) (Approved)

The details regarding cost of the project, funds utilised and creation of irrigation potential are as under :—

	(Rs. in lakhs)
1. Estimated cost	
(i) Original (1980 prices)	10009.00
(ii) Revised (1983 prices)	12975.00
2. Expenditure incurred upto 1983-84	8542.00
3. Spillover after 1983-84	4433.00
4. Likely expenditure 1984-85	1804.00
5. Seventh plan approved outlay	4442.00
6. Outlay 1985-86 (approved)	2146.46
	(000' hect.)
7. Ultimate irrigation potential	89
8. Potential created upto 1983-84	48

9. Likely potential during 1984-85	13
10. Targets for Seventh Plan	28
11. Target for 1985-86	11

With the allocation of Rs. 2146.46 lakhs provided for the year 1985-86 429 Kms. (22.65 lakh squaremetres) of distributaries/minor would be lined.

Lining of Channels Phase-II :

6.20. In order to keep continuity, project estimates for phase-II, lining of channels, covering branch canals and left over distys. and minors amounting to Rs. 364.48 crores has been submitted to Government of India/CWC. This project envisages lining of 1130 Kms. of branch canals and 5,419 Kms. of distys. and Minors. It is estimated that about 4,436 Cs. of water will be saved due to lining of channels under phase-II. It would irrigate about 4,83,800 hect. area annually with 79% intensity of irrigation and water allowances of 3.05 CS/0/80 acres of CCA at outlet head,

6.21 The project is expected to be started in 1986-87. A sum of Rs. 9036.96 lakh has been proposed in the Seventh Five-Year Plan, with which 2,000 Kms. length of channels would be lined.

Construction of New distributaries, minors and bridges :

6.22 At present there are a number of compact blocks of land in the command areas of distributaries which are not receiving irrigation facilities. In order to bring these areas under irrigation new distributaries and minors wherever necessary are proposed to be constructed on the existing channels. A sum of Rs. 150.00 lakh has been proposed in Seventh Plan (1985-90). An outlay of Rs. 35.00 lakh has been approved for 1985-86, against an expected expenditure of Rs. 30.00 lakh during the current year. The details of works are attached at Annexure VII

Modernisation of existing canal system :

6.23 Modernisation and improvement of the 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. A provision of Rs. 50.00 lakhs has been approved during the Seventh Five-Year and allocation of Rs. 17.00 lakh during 1985-86 is approved.

Extension of Kandl Canal re-oriented with lift Irrigation Schemes—

6.24 The project estimate for construction of Kandi Canal which is a part of the project estimate, Extension and Improvement of Shannehar Canal System was formulated for providing facilities to the backward Kandi Area of District Hoshiarpur. According to this project the capacity of Kandi Canal was proposed to be 300 cs. but on the persistent demand of the public it was decided to shift the alignment of Kandi canal to higher contour so as to bring maximum kandi areas under its command and also to increase its capacity from 300 cs. to 500 cs.

6.25 It has been proposed to extend irrigation to the Kandi areas by extending kandi canal from Hoshiarpur to Balachaur and re-orienting it with the sanctioned lift Irrigation schemes viz., Garhshankar, Lohat, and Garhi by feeding these schemes from extension of Kandi canal. Estimated cost of the scheme is Rs. 14.50 crores. An expenditure of Rs. 19.75 lakh has been incurred upto March, 1984. An outlay of Rs. 2.00 lakhs has been earmarked for the year 1984-85. An outlay Rs. 50.00 lakhs has been approved during the Seventh Plan.

6.26 The integrated reoriented schemes is proposed to cover an area of about 42558 hectares of new CCA. (Thus creating potential of 26400 hect. with intensity of 62%).

Raising Lining of Bhakra Mainline Canal for providing free board.

6.27 The decision taken in the inter-state meeting held on 20th November, 1978 regarding restoration of the capacity of Bhakra Main Line to its authorised full

supply, a project has been prepared at an estimated cost of Rs. 345.00 lakhs. The cost is to be shared amongst Punjab, Haryana and Rajasthan. The share of Punjab State is Rs. 34.00 lakhs and the same amount has been approved to complete this project during the Seventh Plan.

Construction of New Lined Combined Channels of Bikaner Canal and Main Branch of Eastern Canal :

6.28 The Bikaner Canal was constructed in 1920's as a lined canal. The lining has totally deteriorated during its working for nearly 60 years and as a result it has not been able to carry its authorised discharge. The Rajasthan State sometimes back desired the relining of this channel. The project estimate has since been submitted to Rajasthan State. Punjab's share in the cost of this project works out to Rs. 13.36 crores. A number of meetings with Rajasthan State on this project were held in the past but no final decision was taken. A provision of Rs. 50.00 lakh has been made for the Seventh Five Year Plan and a token provision of Rs. 0.10 lakh is approved for 1985-86.

Providing Canal Irrigation Facilities to the Areas of Erstwhile Malerkotla State :

6.29 In order to provide irrigation facilities to the areas of erstwhile Malerkotla State which was previously under tubewell irrigation, a channel is proposed to be constructed to cover the areas which have not been covered by the tubewells or areas previously covered by the tube-wells have been reduced due to drop in the sub-soil water table. The discharge of the channel works out to 166 Cs. The estimated cost of the scheme is Rs. 411.00 lakhs. An area of about 17,000 hectares will get irrigation facilities. A provision of Rs. 411.00 lakh has been approved for the Seventh Five Year Plan and a token provision of Rs. 0.10 lakhs for the year 1985-86.

Satluj Yamuna Link Canal Project :

6.30 As a result of agreement reached between the Chief Ministers of Punjab, Haryana and Rajasthan on 31st December, 1981 regarding allocation of surplus water of River Ravi and Beas over and above pre-partition uses the construction of Satluj Yamuna Link Canal in Punjab Area has been proposed to be taken in hand. S.Y.L. Canal is proposed to be built not only to carry Haryana share of water from Punjab but also to provide irrigation, 'flow & lift,' to Punjab area.

The project comprises the following components :—

- I. Satluj Yamuna Link—Main Canal.
- II. Development of irrigation in Punjab area through Satluj Yamuna Link Canal.

I. Satluj Yamuna Link Main Canal.

6.31 The Satluj Yamuna Link Canal is mainly a carrier channel for transporting share of Haryana upto 6500 Cs. of water through this canal. Cost

of the project covering main canal portion estimated to Rs. 176.60 crores. This cost will be shared between Punjab and Haryana as given below :—

Haryana	..	164.00	crores
Punjab	..	12.60	crores
Total	..	176.60	crores

II. Development of Irrigation in Punjab area through Satluj Yamuna Link Canal (Including C.A.D. component)

6.32 It is proposed to extend irrigation to an area of about 128875 hectares with water allowance of 2.75 Cs. per thousand acres of CCA in the development blocks namely Ropar, Sialba Majri, Chamkaur Sahib, Kharar, Ghanaur, Bassi Pathana, Rajpura and Dera Bassi. The water requirement for these areas works out to 889 Cs.

		(Rs. in lakh)
1. Year of Start	..	1983-84
2. Year of completion	..	1986-87
3. Tentative expenditure up to March, 1985	..	6.03
4. Outlay for Seventh Plan	..	8354.00
(i) Main Canal	..	2900.00
(ii) Irrigation for Punjab area	..	5454.00
5. Outlay for 1985-86	..	1838.00
(i) Main Canal	..	1400.00
(ii) Irrigation for Punjab area	..	438.00
6. Area benefited (hectares)	..	128875
7. Ultimate potential with 70% intensity of irrigation (hectares)	..	90000

6.33 During the year 1985-86, survey and investigation for development of irrigation in Punjab area will be carried out. A proposal for including the work of construction of field channels and other on farm development works relating to development of irrigation of land covered under S.Y.L. project in the Central sector CAD programme has been submitted to Government of India for approval.

Providing Irrigation facilities by Doon Canal

6.34 The Doon Canal Project envisages to provide much needed irrigation facilities to long neglected and unirrigated starved areas of Nurpur Bedi Block, District Ropar. The project envisages the construction of canal with a discharge capacity of 95.3 Cs. at head. The canal would off-take from Nangal Hydel Channel and will be taken across river Satluj by constructing an aqueduct across river Satluj opposite

Anandpur Sahib. An outlay of Rs. 400.00 lakh has been approved during the Seventh Plan period.

1. Estimated cost —

		(Rs. in lakh)
(a) Original (1983 prices)	..	800.00
(b) Escalated cost	..	1144.00
2. Length of canal system	..	49.8 Kms
3. Water requirement	..	95.3 Cusecs
4. Outlay for Seventh Plan	..	400.00
5. Outlay for 1985-86	..	—
6. New C.C.A. to be benefited (000 hectare)	..	12.33
7. Ultimate potential (with 100% intensity of irrigation (000 hectares)	..	12.33
8. Potential to be created in Seventh Plan (000 hectares)	..	12.33

Providing Irrigation to Himachal Pradesh Area

6.35 An inter-State agreement between Punjab Government and Himachal Government was signed on 4th August, 1983 regarding construction of Shahnehar Barrage and Mukerian Hydel Channel. Under this agreement an area of 15,287 hectares (37776 acres) was identified to be irrigated in Himachal Pradesh. Out of this 3465 hectares area was already receiving irrigation and balance area of 11822 hectares is potentially irrigable area.

6.36 Keeping in view existing water allowance norm in Punjab and Himachal Pradesh it was agreed that under this agreement Himachal Pradesh will get 228 cusecs of water regularly without payment of cost. The cost of lined channels for irrigating the area currently receiving irrigation in Himachal Pradesh including Head Regulator will be borne by the Punjab Government and for the potential area the cost of channels will be shared in between the two Governments under a formula mutually agreed.

6.37 A provision of Rs. 200.00 lakhs has been approved in Seventh Plan. Since project estimate has yet to be finalised, no allocation for 1985-86 has been approved.

Canalisation of Navin and Moghali Kuhls for running them to designed discharge

6.38 Navin and Moghali Kuhls off take from Chakki river. The capacity of these Kuhls is 40 Cs. These Kuhls were privately owned and were taken over by the Punjab Irrigation Department during 1979-80. The Kuhls and their feeding points are not according to designed specifications. For proper running of these Kuhls their canalisation, protection and construction of some masonry works will have

to be carried out. The estimated cost is about Rs. 16.00 lakhs. An amount of Rs. 7.00 lakhs has been approved for seventh plan and a token provision of Rs. 0.10 lakhs for the Annual Plan 1985-86.

1. Estimated cost (tentative) .. Rs. 16.00 lakhs
2. Water requirement .. 40 Cs.
3. Area to be served (hects) .. 247

4. Length

- (a) Navin Kuhls .. 17970 ft. (5.48 Kms)
- (b) Moghali Kuhls .. 13625 ft. (4.15 Kms)

Outlay approved for 1985-86 0.10 lakhs

Outlay for Seventh Plan .. 7.00 lakhs

Lift Irrigation Schemes of Anandpur Sahib and Ropar Blocks

6.39 Hilly areas in Ropar, Hoshiarpur and Gurdaspur Districts devoid irrigation facilities. Flow irrigation to these areas is not possible, Therefore, these areas are proposed to be covered under lift irrigation.

6.40 The area is 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, two lift irrigation schemes have been submitted to the Government. Brief description of these schemes is as under :—

(i) Providing lift irrigation facility to the area on left side of Anandpur Sahib Hydrel channel between Nangal Township and Dorali village in Anandpur Sahib Block, District Ropar.

1. Estimated cost .. Rs. 32.39 lakh
2. C.C.A. .. 736 hectares (1818 Acres)
3. Discharge .. 8.00 Cusecs
4. Lift involved .. 23 Metres

(ii) Lift irrigation scheme for village Attar Bunga, Tajpur etc., in Ropar Block, District Ropar.

1. Estimated cost .. Rs. 24.56 lakhs
2. C.C.A. .. 345 hectares (850 Acres)
3. Discharge .. 3.00 cusecs
4. Lift involved .. 34.5 Metres.

6.41 During the Seventh Five Year Plan Rs. 10.00 lakh have been approved and Rs. 0.10 lakh as token provision approved for 1985-86.

Running of Basantpur Canal

6.42 According to agreement between J&K and Punjab Government, drainage crossing is required to be constructed by Punjab Government for proper running of Basantpur Canal. An allocation of Rs. 7.00 lakhs has been made in the Seventh Five Year Plan for this work and the same outlay has been approved for 1985-86.

6.43 Details regarding cost estimates, date of start expected date of completion, status of project, expenditure incurred up to 1983-84 spillover requirement after 1983-84 outlays 1984-85 and 1985-86, in respect of irrigation projects are given in Annexure I. Details regarding targets and achievements of Irrigation potential created and utilisation up to the year 1979-80 and achievement for 1980-83 and 1983-84, likely achievement during 1984-85 and target for Seventh Five Year Plan and 1985-86 in respect of major and medium irrigation projects are given in Annexure II.

MINOR IRRIGATION

6.44 While the outlays 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 NABARD and Land Mortgage Banks play a significant role in the development of Minor Irrigation. The State Government's role in tubewell irrigation has been promotional. The promotional role 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.

6.45 As a result of developmental effort number of electrically operated tubewells increased from 25,361 in 1965-66 to 333000 in 1982-83, more than 12 fold increase in 17 years. Wells have been mostly fitted with pump sets. The consumption of electricity in the agriculture sector during 1982-83 was 40.71 per cent of the total power consumption in the State. The supply of electricity for tubewells at subsidised rate has given further impetus to the exploitation of ground water resources.

6.46 The main thrust under minor irrigation programme is, therefore, towards (i) acceleration in-flow of institutional investment (ii) stepping up rural electrification by energisation of additional tubewells pump sets ; (iii) taking full advantage of special participating schemes and NABARD, REC and Commercial Banks, and (iv) hydrological and geological surveys of ground water strata for the benefit of the farmers.

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

Agriculture Department :

Ground Water Cell (Strengthening of Ground Water and Surface Water Organisation).

6.47 The only minor irrigation scheme of the Department of Agriculture relates to the strengthening

of Ground Water and Surface Water Organisation. It is Centrally Sponsored Scheme on 50% sharing basis (except staff). The investigation and development of ground water resources is the main objective of the scheme. The ground water cell would evolve strategy to minimise the adverse effects of exploitation of ground water in the underground reservoir and disseminate vital information to the farmers for their benefits.

6.48 An allocation of Rs. 100.00 lakhs (state share) for the Seventh Five-Year Plan and a sum of Rs. 17.00 lakhs for the Annual Plan 1985-86 has been approved for this scheme to purchase new machinery and equipment for deep drilling. No new staff will be recruited.

Irrigation Department :

Low Dams in Kandi Area Phase I

6.49. The sub-mountainous region of the State is strewn with choes. Number of flashy torrents are located in the area which wash away the fertility of the soil. The upper catchment has been eroded very badly in the past as a result of various malpractices such as indiscriminate felling of trees., excessive grazing and breaking up of sloping lands for agriculture. In the absence of aqueduct cover in upper catchments, the area is eroded and flashy run-off is experienced in the choes and its impact is felt in plains.

6.50. In order to check the destruction, a loan agreement was signed with the World Bank under Kandi Water shed and Area Development Project for integrated development of the area. The agreement was to expire in June, 1984 but the scope of the project is enlarged to include 4—6 watersheds and World Bank has tentatively agreed to extend it to March, 1986. A sum of Rs. 2322.00 lakhs has been approved for the seventh plan and Rs. 400.00 lakhs for the Annual Plan 1985-86.

(Rs in lakhs)

1. Estimated cost—	
(a) Original (1978 prices)	.. 1000.00
(b) Revised (1983 prices)	.. 1600.00
(c) Likely escalated cost on completion	2770.40
2. Anticipated expenditure upto 1983-84	88.40
3. Spillover After 1983-84	.. 1511.60
4. Outlay for the year 1984-85	.. 185.00
5. Approved outlay for Seventh Plan	.. 2322.00
6. Outlays approved 1985-86	.. 400.00
7. Area to be brought under irrigation on completion	.. 4500 hect.

6.51. Under the Kandi Watershed and Area Development Project Punjab, feasibility reports of eight water-sheds have been prepared in addition to Dholbaha Dam and out of these reports of six water-sheds, namely Januari, Chohal, Maili, Patiala Ki Rao, Siswan and Budki have already been approved by the Punjab Government as well as by the World Bank. Work on first four water-sheds in addition to Dholbaha Dam had already been taken up. The work of Siswan and Budki watersheds is proposed to be taken up during 1985-86. The cost as worked out in feasibility reports and project cost estimate for irrigation component is given as under:—

(Rs in lakhs)

	Cost as per feasibility report	Cost as per project estimate
1. Janauri ..	221.00	206.14
2. Chohal ..	82.00	244.74
3. Maili ..	260.00	234.28
4. Patiala Ki Rao ..	117.00	86.76
5. Siswan ..	60.56	224.34
6. Budki ..	346.00	164.92
Total ..	1086.56	1161.18

6.52. Four more watersheds i.e. Mahangerwal, Lalwan, Saleran and Tibba Nangal have been selected and the feasibility reports of these watersheds have since been approved by Government. List of works is given in annexure VIII.

Low Dams in Kandi Areas Phase II

6.53. In addition to above it is proposed to take an other seven watershed with effect from 1987-88 in the Seventh Five Year Plan for which a lumpsum provision of Rs. 1000.00 lakhs has been approved in the Seventh Plan.

Directorate of Water Resources :

Integrated Utilisation of Water Resources :

6.54 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 are to be drilled for locating aquifers for installation of tubewells. A sum of Rs. 200.00 lakhs has been approved for the Seventh Plan and Rs. 31.00 lakhs for 1985-86.

PUNJAB STATE TUBEWELL CORPORATION
Tubewells :

6.55 The role of the Punjab State Tubewell Cor-

poration (PSTC) since its inception has been installation of tubewells. The progress of work stage-wise in respect of tubewells is given below :—

Serial No.	Stage of Work	Number at the end of 1983-84		1984-85 Anticipated (No.)		Seventh Plan Target (No.)		1985-86 Target (No.)		
		Augmentation	Direct	Augmentation	Direct	Augmentation	Direct	Augmentation	Direct	
1	Drilled	..	352	465	—	32	—	130	—	24
2	Developed	..	352	433	—	32	—	130	—	24
3	Completed	..	303	374	—	32	..	130	—	24
4	Energised	..	263	368	—	32	—	130	—	24

The irrigation potential created through the installation of tubewells by PSTC is as under :—

Year	Irrigation potential ('000 hect.)
Upto 1979-90	.. 46.400
During 1980-83	.. 5.025
During 1983-84	.. 2.475
During 1984-85 (Anticipated)	2.400
Seventh Plan 1985-90 (Target)	.. 9.750
During 1985-86 (Target)	.. 1.800

6.56 The deep tubewells are mainly installed in the backward and submountane 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 install and operate tubewells. It is proposed to install 130 tubewells during Seventh Plan at an estimated cost of Rs. 910.00 lakhs 20% of which, i.e. Rs. 182.00 lakhs has been approved in the Seventh Plan as state share and the remaining 80% to be raised from financial institutions under NABARD refinance scheme. The target to install tubewells during 1985-86 is 24 for which a sum of Rs. 33.60 lakhs (20% seed money) has been approved.

Repayment of principal and interest :

6.57 A tubewell is assured to have a life span of 33 years and the recovery is to be effected from beneficiaries over the same period. As against this the repayment to banks is to be made in 10 years as per NABARD's stipulations. To meet this gap between repayment and recovery, provision is required to be made in the Annual Plans. An amount of Rs. 779.95 lakhs has been approved on this account during the Seventh Plan. A sum of Rs. 100.39 lakhs has been approved during the year 1985-86.

Taking over the Central Ground Water Tubewells :

6.58 It is proposed to take over tubewells during Seventh Five-Year Plan drilled and developed by the Central Ground water Board as exploratory tubewells. A bankable scheme would be prepared for this purpose. A token sum of Rs. 0.01 lakhs has been approved in the Annual Plan 1985-86, and Rs. 0.05 for the Seventh Plan.

Centrally Sponsored Scheme for purchase of Machinery :

6.59 Under the Centrally Sponsored Scheme a proposal for purchase of machinery during Seventh Plan has been approved. Under the scheme 50% cost is to be given by Government of India on a matching grant basis. The total cost of the machinery to be purchased during Seventh Plan will be of the order of Rs. 80.00 lakhs out of which 50% of the cost amounting to Rs. 40.00 lakhs has been approved to be met by the State Government During the year 1985-86, a proposal to allocate a sum of Rs. 40.00 lakhs (State share). has been approved.

6.60 The total expenditure incurred on the installation of tubewells and other minor irrigation schemes of PSTC upto end of 1983-84 anticipated

during 1984-85 and approved during Seventh Plan and 1985-86 is given as under :—

Serial No.	Name of the Scheme	Expenditure				(Rs. in lakhs)			
		Up to 1983-84		1984-85		Seventh Plan 1985-90		1985-86	
		Total	Plan provision	Total	Plan provision	Total	Plan provision	Total	Plan provision
1	2	3	4	5	6	7	8	9	10
1	Installation of Tubewells ..	1275.29	390.12	290.000	58.00	910.00	182.00	168.00	33.60
2	Repayment of principal and interest ..	567.47	465.52	70.00	70.00	777.95	777.95	100.39	100.39
3	Subsidy for running and maintenance of tubewells ..	111.75	180.75	—	—	—	—	—	—
4	Strengthening of ground-water organisation in P.S.T.C. (50% sharing basis) ..	14.57	12.00	8.00	4.00	—	—	—	—
5	Taking-over of Central Ground Water Board tubewells ..	—	—	15.00	15.00	0.05	0.05	0.05	0.01
6	Replacement and improvement of Tubewells ..	20.00	20.00	—	—	—	—	—	—
7	Purchase of machinery (50% sharing basis) ..	90.00	45.00	90.00	45.00	80.00	40.00	80.00	40.00
8	Providing independent Electric Supply feeder lines for tubewells ..	—	—	15.00	15.00	—	—	—	—
9	Additional under ground pipelines ..	—	—	—	—	—	—	—	—
	Total ..	2079.08	1113.39	488.00	207.00	1768.00	1000.00	348.44	174.00

Command Area Development :

6.61 The work of lining of water courses is executed by the Punjab State Tubewell Corporation under this programme. The total length of water courses in the state is estimated at 73230 Kms. Though the modernisation programme of lining of water courses was taken up in the State as early as in 1975-76, it gained momentum when the World Bank assistance was extended to it in April, 1979.

6.62 The project of lining of water courses is being executed under NABARD refinance scheme with financial assistance from the World Bank. The project aimed at lining of 15,200 Kms. length of water courses in the sandy tract with underground brackish water in the districts of Ferozepur, Faridkot, Bhatinda and Sangrur and parts of Amritsar districts at the project cost of Rs. 117.95 crores. The physical and financial year-wise targets phased out by World Bank and the achievements are as follows :—

Serial No.	Particulars	Years						Total
		1979-80	1980-81	1981-82	1982-83	1983-84		
1	2	4	5	6	7	8	9	
1	Number of outlet ..	460	590	590	590	590	2820	
2	Length of Water Courses to be lined (Kms) ..	2480	3180	3180	3180	3180	15200	
3	Physical Ach. under item No. 1 (Kms.) ..	1762	2056	2006	2480	3506	11810	
4	Total cost (Rs. crores) ..	16.25	22.90	24.50	26.25	28.05	117.95*	
5	State's share 20% of item (4) above (Rs. in crores)	3.25	4.58	4.90	5.25	5.61	23.59	
6	Bank share 80% of item (4) above (Rs. in crores)	13.00	18.32	19.60	21.00	22.44	94.36	
7	Expenditure (as per balance sheet) ..	12.27	14.96	15.04	21.73	35.23	99.23	

*Up dated cost 162.90 crores.

6.63 The shortfall in the achievements has mainly been due to inadequate availability of construction material during these years. The balance of 3390 Kms. (15200 K.M.—11810 Kms.) achieved upto 1983-84 of water courses remaining to be lined, will be achieved during 1984-85. The scope of the project (Lining of Water Courses) which is a component of the PIP (Punjab Irrigation Project) is being extended upto

1985-86. A sum of Rs. 600 lakhs is proposed to be allocated to PSTC for this purpose for lining of 2800 Kms. during 1985-86.

6.64 The total expenditure incurred on lining of water courses programme inclusive of pre-World Bank period upto 1983-84 anticipated during 1984-85 and approved for 1985-86 is given as under :—

Serial No.	Item	Expenditure upto 1983-84		Anticipated Expd. 1984-85		Allocation in 1985-86	
		Total	Plan provision (20% share)	Total	Plan provision (20% share)	Total	Plan provision (20% share)
1	2	3	4	5	6	7	8
1	Lining of water courses	11613.99	3365.50	3750.00	900.00	3000.00	600.00
2	Equity	2566.78	2566.78	—	—	—	—
	Total	14180.77	5932.28	3750.00	900.00	3000.00	600.00

6.65 Besides a token sum of Rs. 1000.00 lakhs has been approved for lining of water Courses Phase-II during the Seventh Plan—1985-90

provide protection to an additional new area of 0.08 lakh hectares, besides providing protection to an old area of 0.75 lakh hectares.

Anti-water logging drainage and flood control :

6.66 Main emphasis in this sphere of activity will recently has been on the construction of embankments and drainage improvement. Besides widening, deepening and reconditioning of existing drains, 1016.41 Kms. of flood protection embankments and 6469 Kms. of surface drains had been completed by the end of 1983-84. These works provided relief/protection to about 26.02 lakhs hectares of new areas as against the estimated total flood prone area of 37.00 lakh hectares. During the year 1984-85, it is envisaged to construct 5.0 Kms. of new embankments and 46.00 Kms. of drainage channels with an outlay of Rs. 7.32 crores. This would also

6.67 Taking into account the recurring flood damage inspite of flood protection works having been carried out in the affected areas, it was considered necessary to adopt a multipurpose approach to tackle these problems. This envisaged the construction of embankments downstream of choes and river systems. and taking up other non-engineering works of afforestation, soil conservation and water shed management alongwith flood protection and drainage works in the affected reaches.

6.68 An outlay of Rs. 3700.00 lakhs and Rs. 802.00 lakhs under flood control and drainage schemes has been approved for the Seventh Plan and the Annual Plan 1985-86 respectively to be expended as under :—

(Rs. in lakhs)

	Seventh Plan		Seventh Plan	
	1985-90 approved	1985-86 approved	1985-90 approved	1985-86 approved
1. Flood control and drainage schemes		500.00		
2. Anti-water logging works in areas of South Western districts of Punjab for lowering the water table	3500.00	200.00		
3. Dholbaha Dam (drainage portion)	111.00	101.80		
4. Diversion of Nurpur Bedian Choes into Satluj river			39.00	0.10
5. The Canalisation and reclamation of Satluj river bed from Anandpur Sahib to Ropar			50.00	0.10
			3700.00	802.00

6.69 A table showing physical targets/achievements of flood protection works upto 1982-83,

anticipated achievements during 1984-85 target for 1985-90 and 1985-86 is given below :—

Item	Unit	Constructed upto 1983-84	1984-85 Anticipated	Seventh Plan (1985-90) targets	1985-86 Target
1	2	3	4	5	6
1 Length of Embankments	.. Kms.	1016.41	5.0	40.00	3.00
2 Length of drains	.. Kms.	6469.0	46.0	100.00	20.0
3 Area to be protected					
(i) New	.. Lakh hect.	26.02	0.08	0.20	0.07
(ii) Old	.. Lakh hect.	—	0.75	0.20	0.03

Integrated project to lower the water table in South West districts of Punjab.

6.70 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 1984-85 is expected to be Rs. 706.37 lakhs.

6.71 Subsequently it was realised that this proposal was ineffective as it sought to tackle the problem 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 dovetailing the earlier proposal is under approval for execution. The entire project is expected to cost about Rs. 3500.00 lakhs. A sum of Rs. 200.00 lakhs has been approved during the year 1985-86.

Diversion of Nurpur Bedian Choes into Satluj River.

6.72 The choes between Nurpur Bedian and

Ropar on the Northern side of the Katar Thar causes a serious devastation to vast agricultural area. Development of Nurpur Bedian Tract can not take place under the present conditions. The Choes need to be diverted at the foot hills into the Satluj river via diversion cunette into Sau Khad which discharges itself into Satluj. This can reclaim large area for agricultural protection. The scheme already stand approved by the Technical Committee and State Flood Control Board for the past eight years. A provision of Rs. 39.00 lakhs has been approved during the Seventh Five Year Plan and a token sum of Rs. 0.10 lakhs during the year 1985-86 for implementing this scheme.

The canalisation and reclamation of Satluj river bed from Anandpur Sahib to Ropar—

6.73 A vast area falls in the bed of Satluj river from Nangal to Ropar, it can be reclaimed and better developed under this scheme. This scheme can also help develop the bet area of Noorpur Bedian in a better way. A provision of Rs. 50.00 lakhs is being proposed during the Seventh Plan period and a token sum of Rs. 0.10 lakhs has been approved during the year 1985-86.

Statement showing Cost Estimates, date of start and completion, Status and details of expenditure of
(Rs. in lakhs)

Serial No.	Name of Scheme	Estimated Cost		Likely cost
		Original	Revised	
1	2	3	4	5
Major, Medium and Minor Irrigation Schemes—				
1	Dholbaha Dam	349.40	940.00	1194.00
2	Ext. of non-perennial Irrigation to areas in U.B.D.C. tract	186.55	620.00	952.00
3	Utilisation of Surplus Ravi Beas Waters	186.00	1153.00	1338.00
4	Ext. and Improvement of Shah Nehar Canal System	1063.00	3255.00	6046.00
5	Lining of Channels, Phase—I (World Bank Portion)	10009.00	12975.00	..
6	Pilot Demonstration	279.00	280.00	313.00
7	Construction of New Distys. Mrs. and Bridges	400.00	400.00	..
8	Modernisation of Existing Canals	..	..	..
9	Low Dam in Kandi Area Phase-I	1000.00	1600.00	2770.40

1

1985-86

Major, Medium and Minor Irrigation Schemes

Status of Project	Date of start	Scheduled date of completion	Expenditure incurred up to 1983-84	Spillover requirement after 1983-84	Outlay 1984-85	Outlay for 7th Plan	Outlay 1985-86
6	7	8	9	10	11	12	13
Stands cleared	1972-73	1985-86	471.59	468.41	225.00	600.00	200.00
Clearance awaited	1967-68	1987-88	615.26	284.74	30.00	250.00	30.00
Do	1967-68	1987-88	902.46	251.09	75.00	250.00	75.00
Stands cleared	1975-76	1989-90	1768.46	1486.54	600.00	2000.00	300.00
Do	1979-80	1986-87	8398.00	1611.00	2075.00	4442.00	2146.46
Do	1979-80	1986-87	102.10	166.90	24.00	100.00	24.00
..	1978-79	7th Plan	109.67	..	35.00	150.00	35.00
..	1982-83	7th Plan	36.42	..	10.00	50.00	17.00
Clearance awaited	1980-81	1986-87	88.40	1511.50	185.00	2322.00	400.00

Major and Medium and Minor Irrigation Projects Targets and Achieve-

Serial No.	Name of Scheme	District to be benefited	Ultimate Irr. Potential	Target for 6th Plan 1980-85	
				Pot.	Ult.
1	2	3	4	5	6
1	Dholbaha Dam	Hoshiarpur	2.60	2.60	2.60
2	Extension of Non-perennial Irr. to areas in UBDC tract	Amritsar, Gurdaspur	235.00	43.00	43.00
3	Utilisation of surplus Ravi Beas Waters	Bhatinda, Ferozepur, Faridkot and Sangrur	305.00	43.00	43.00
4	Ext. and Improvement of Shahnehar Canal	Hoshiarpur and Jullundur	34.00	32.00	32.00
5	Lining of Channels (World Bank portion)	All Districts	89.00	36.00	36.00
6	Const. of New Distys. Minors	All Districts	24.00	22.00	22.00
7	Extension of Kandi Canal reoriented with Lift Irrigation Schemes	Hoshiarpur	26.40	—	—
8	Const. of new Lined combined channels of Bikaner Canal and main Branch of Eastern Canal	Ferozepur	—	—	—
9	Providing Irrigation facilities to Erstwhile Malerkotla State	Sangrur	8.00	5.00	5.00
10	Satluj Yamuna Link Canal	Ropar	90.00	—	—
11	Doon Canal	Patiala	12.33	—	—
Total			826.33	183.60	183.60
1	Low Dams in Kandi area Phase I	Hoshiarpur	4.50	4.50	4.50
2	Low Dams in Kandi areas Phase II	Ropar/Hoshiarpur	2.80	—	—
3	CAD—Lining of Watercourses	Bhatinda, Ferozepur, Faridkot and Sangrur	116.00	116.00	116.00
4	Instollation of Tubewells	Ropar, Hoshiarpur	10.00	10.00	10.00

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Achievement upto 1979-80		Achievement 1980-83		Achievements 1983-84		Anticipated 1984-85		Target 1985-90		Target 1985-86	
Pot.	Ult.	Pot.	ult.	Pot.	Ult.	Pot.	Ult.	Pot.	Ult.	Pot.	Ult.
7	8	9	10	11	12	13	14	15	16	17	18
—	—	—	—	—	—	—	—	2.60	2.60	—	—
192.00	191.00	24.00	24.00	10.00	9.00	4.00	4.00	5.00	6.00	1.00	1.00
209.00	208.00	34.00	34.00	6.16	5.16	4.00	4.00	48.00	49.00	14.00	14.00
2.00	1.00	10.20	—	—	—	1.90	—	8.50	8.50	—	—
25.00	25.00	14.00	14.00	9.50	9.50	13.00	13.00	28.00	28.00	11.00	11.00
2.00	1.00	3.50	3.50	0.85	0.85	1.00	1.00	6.50	6.50	2.00	2.00
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	8.00	8.00	—	—
—	—	—	—	—	—	—	—	85.00	85.00	—	—
—	—	—	—	—	—	—	—	—	—	—	—
430.00	426.00	85.70	75.50	26.51	24.51	23.90	22.00	191.60	193.60	28.00	28.00
—	—	—	—	—	—	—	—	4.00	4.00	—	—
—	—	—	—	—	—	—	—	1.80	1.80	—	—
14.00	14.00	52.30	—	28.00	—	27.12	—	34.40	—	22.40	—
46.400	46.400	5.025	5.025	2.475	2.475	2.400	2.400	9.750	9.750	1.800	1.800

ANNEXURE III

LIST OF WORKS UNDER SCHEME DHOLBAHA DAM FOR THE YEAR 1985-86

Serial No.	Item	Amount (Rs. in lakhs)
1	Concreting etc.	.. 31.58
2	Fill placement	.. 66.26
3	Excavation of escape channel, etc.	.. 10.60
4	Road construction	.. 2.20
5	Survey and sedimentation studies	.. 0.50
6	Acquisition of land for Haryana Colony	.. 1.15
7	Residential and Non-residential Buildings	.. 1.10
8	Running and maintenance of vehicles	.. 5.00
9	A. M. & R.	.. 1.00
10	Irrigation system	.. 11.50
11	Machinery equipment	.. 6.00
12	Suspense	.. 16.47
13	Quality Control of works on Dholbaha and Spill-way etc.	.. 8.18
	Total	.. <u>161.54</u>
	Establishment Charges	.. 38.46
	Grand Total	.. <u>200.00</u>

ANNEXURE IV

List of works proposed to be taken up during the year 1985-86 under the scheme Extension of Non-perennial irrigation to areas in UBDC tract

(Rs. in lakh)

Serial No.	Name of Works	Amount required for 1985-86
1	2	3
1	Constructing V. R. bridge at RD 27500 K. B. U. with diversion	2.50
2	Constructing V. R. Bridge at RD 70000 Rania Disty	0.50
3	Remodelling V. R. bridge at RD 3890 Mr. No. 4 -- do --	0.50
4	Constructing Mr. No. 1 of Rania Disty.	0.66
5	Remodelling V. R. bridge at RD 20540 with diversion	2.50
6	Remodelling Head of Taran Disty.	—
7	Remodelling fall at RD 72400 Sabroon Br.	1.00
8	Remodelling fall at RD 114750 Sabraon Br.	1.00
9	Remodelling V. R. Bridge of Badala & Athwal disty.	1.00
10	Remodelling of V. R. Bhinder Rayya, Nagoke Disty	0.50
11	Reconditioning of Aumaniwala system	1.30
12	Reconditioning Gajjal Disty. RD 11000 tail	1.00
13	Remodelling V. R. Bridge at RD 209515 K. B. L.	1.00
14	Reconditioning Bhoewal fall at RD 108260 KBL	2.50
15	Remodelling V. R. Bridge of Kunjar Disty.	0.88
16	Remodelling 7 Nos. Bridge and falls of Fatehgarh Disty. system	0.55
17	Remodelling V. R. Bridge of Daburji Disty	1.00
18	Remodelling Majitha Disty. system	0.50
19	Remodelling Aliwal Disty. system	2.50
20	Remodelling Bridge at RD 1600 and 21965 Ranewali	0.66
21	Remodelling 2 Nos. Bridges of Kuhali Disty.	0.44
22	Remodelling Udhewali Disty. system	1.50
23	Remodelling H/Regulator of Sabrao Br. & KBL	1.80
24	Land compensation of Ramdass Disty. on various sites	1.00
25	Const. V. R. Bridge at RD 2465 and 6105 of Ganda Singh Sub-minor	0.55
26	Constructing approach to DR bridge at RD 96302 Kalanaur Disty.	0.41
27	Providing Boulder pitching vulnerable sites on RD-0 tail KBL	0.50
	Total	28.25
	Establishment charge	1.75
	Grand Total	30.00

ANNEXURE V

List of works proposed to be taken up during the year 1985-86 Under the scheme Utilisation of Surplus Ravi Beas Waters

(Rs. in lakhs)

Serial No.	Name of Works	Amount required for 1985-86
1	2	3
1	Constructing fall cum bridge RD 13520 of Kotla Br.	5.50
2	Constructing 60200 of Kotla Branch	5.50
3	Remodelling fall cum bridge at RD 86000 at Kotla Branch	2.00
4	Constructing V. R. Bridge at RD 48750 of Kotla Br.	6.00
5	Remodelling Head regulator of Sangrur Disty.	1.00
6	Remodelling head regulator of Sharon disty.	1.00
7	Raising banks of Kotla Br. RD 0-225000 E/Work liabilities	1.00
8	Remodelling of 1st Patiala fdr. RD 3000-79514 E/Work liabilities	0.50
9	Land compensation for acquiring land for Mandi minor (liabilities)	4.00
10	Remodelling of head regulator of Ghaggar Br.	4.00
11	Remodelling of head regulator of Bhawanigarh and Newada dys.	4.00
12	Remodelling of Railway Bridge at RD 16450 of Ghaggar Br.	7.00
13	Remodelling of Railway bridge RD 28000 of Ghaggar Br.	2.00
14	Remodelling of fall at RD 117980 of Ghaggar Br. by providing protection on D/S side	2.00
15	Raising banks of eastern canal system	10.00
16	Raising banks/lining of Sirhind feeder to provide authorised free board of 2.5 from head to tail	5.50
17	Extension of Rohira Disty RD	2.00
18	Ext. of Kanganwal disty. RD 15260-52000	5.00
19	Ext. of 2-R Mr. of Malaud disty	
20	Remodelling of Khanpur Dy. RDO-100	
21	Protection D/S falls of Channels of Devigarh Sub-Division I. B. Patiala	0.50
22	Remodelling Aqueduct RD 7275 Rajpura Disty.	0.50
23	Remodelling RD 41000 Rajpura Disty.	0.50
24	Remodelling RD 84000 of Rajpura Disty.	0.50
25	Remodelling fall at RD 5000, 14000, 17000 of Kanahali Disty.	0.50
26	Remodelling of Talwandi Disty. RD 0-Tail	4.50
	Total	75.00

ANNEXURE VI

List of works to be carried out under scheme extension and Improvement of Shah Nehar Canal system during the year, 1985-86

(Rs. in lakhs)

Serial No.	Name of item	Amounting
K.A.D. Administration		
1	Observing geological data etc.	2.00
2	Acquiring land	20.00
3	Constructing masonry works gates and gearing	3.00
4	Constructing Cross Drainage works	97.00
5	Constructing Bridges	16.00
6	Constt. Residential quarters	3.00
7	Earth works	30.00
8	Lining	20.00
9	Running maintenance of Jeep etc.	4.00
10	Machinery and equipment	1.00
11	Constructing approach road at different sites of Kandi canal	1.00
12	P. maintenance	3.00
13	Suspense	7.00
14	Constructing Dasuya Disty.	2.00
15	Credits ₹	(—) 5.00
	Total	204.00
	Share of C.M.C. establishment chargeable to scheme extension and Improvement of Shah Nehar canal system	3.00
	Establishment charges	73.00
	Total (i)	280.00
(ii)	Upper Bari Doab Canal Circle, Amritsar	20.00
	Grant total (i+ii)	300.00

ANNEXURE VII

List of Works proposed to be taken up during the year 1985-86 under the scheme construction of new Distys. /Minors/Bridges.

Serial No.	Name of works	Estimated cost	Likely Exp. upto 3/85	Amount approved for 1985-86	Status of the project
		Rs. in lakhs		Rs. in lakh	
1	Const. Nidhana Mr. RD 800—18000 off-taking at RD 50345 Nizamwah Disty.	9.75	—	3.00	Sanctioned by C.E./Cannls,— <i>vide</i> his letter No. 4211/7C/8/1233/81, dt. 29-6-81
2	Constg. Odean Mr. off-taking at RD 63380-R Jandwala Disty. and providing Link channel off-taking at RD 48100—R Southern Disty.	11.22	10.07	1.00	Sanctioned by Secretary Irrigation and Power No. 516/81 M (2) 2179, dt. 13-1-84
4	Constg./Remodelling of Faizwah Mr. RD 3337—44350	4.85	3.87	1.00	
5	Constg. New Abul-Khurana Disty. off-taking RD 349612/R Sirhind Feeder	42.13	19.85	2.00	
6	Constg. of Heron Khurd Mr. to off-take from Biroke Br. of Ghaggar Br.	16.07	—	7.58	Sanctioned,— <i>vide</i> No. 712/82/2 TM/2855ft, dt. 28-2-82
7	Constg. Upper Kauri Dy. RD 7000—7615 under VR Bridge RD 4301 100 A.B.	29.52	26.50	3.42	Sanctioned,— <i>vide</i> Secretary Irr. & Power No. 768/2/DS (T&M) 79/159, dt.12-7-79 for Rs. 19.33 lakhs revised Project estimate for Rs. 29.92 is under process.
8	Constg. New lined Abul Mr. From Head to tail	35.21	14.32	10.00	Sanctioned,— <i>vide</i> Secretary Irr. & Power,— <i>vide</i> No. 510—2FM-TM/79/155, dated 12-7-78
9	Cost. new lined pitho Mr. RD O—12640 off-taking RD 3500/L Pual disty.	7.05	3.25	2.00	Sanctioned,— <i>vide</i> Secy. I & P No. 13/1/84 IPW/1/8624, dt. 21-7-83
10	Constg. Kahan Singh wala Reclamation channel RD 0—58000 off-taking at RD 110780 R—Main Br.	25.34	11.66	5.00	Sanctioned,— <i>vide</i> S.O.I.P. No. 108082 TM(2) 2015, dt. 17-6-82
			Total	35.00	

ANNEXURE VIII

LIST OF WORKS TO BE EXECUTED UNDER SCHEME LOW DAMS IN KANDI AREA DURING THE YEAR 1985-86

Serial No.	Item	Amount
I Maili Dam		(Rs. in lakh)
1	Hydraulic test investigation	1.00
2	Construction of outlet works and spill-way etc.	42.00
3	Construction of Rest House	2.50
4	Construction of earth fill dam	170.60
5	Running and maintenance of 2 Jeeps	1.20
6	Maintenance of Roads	0.10
7	Construction Distys. and water courses	15.00
8	Installation of 240 deep T/Wells	4.00
9	Obtaining survey instrument for Maili Dam	0.60
	Total	237.00
	Credit of recoveries of advance (—)	(—)36.00
	G. Total	201.00
II Patiala Ki Rao Water Shed		
1	Material survey, general survey, excavating Trail pits and boring holes	1.20
2	Land Acquisition	1.10
3	Construction of outlet works spill-way diversion, etc. for the dam	8.00
4	Constructing Regulation Beldars quarters temporary building	2.30
5	Excavating trenches placement of previous and Imprevious material reprop and filter laying turtng etc.	7.00
6	Laying distribution pipe lines	2.00
7	Machinery equipment	0.40
8	Procurement of material like cement steel and bricks etc	3.00
	Total	25.00
III. Siswan Water Shed		
1	General survey of water shed	1.00
	Total	1.00
IV. Budki Water Shed		
1	General survey of dam	2.00
	Total	2.00
V. (i) Janauri Dam		
1	Acquisition of land for dam	4.84
		4.28
2	Construction of spill-way outlets and pick up weir and excavation, etc.	40.20
3	Installation of deep T/Wells	8.82
4	Placement of earth fill material	6.57
5	Diversion of Janauri choe, etc.	3.99
6	Construction of residential buildings	3.15
7	Construction of Distys.	4.80
8	Construction of water courses	5.00
9	Construction of Bunds, etc.	8.50

Serial No.	Item	Amount
		(Rs. in lakhs)
	(ii) Behram Pur Dam	
	Acquisition of land	0·80
	C—Works	6·05
	Running and maintenance of jeep	1·00
	Machinery and equipment	6·00
	Total	104·00
	VI. Chohal Water Shed	
	Acquisition of land	0·50
	Installation of 11 K.V. Deep T/Wells	14·00
	Running and maintenance of jeep	0·50
	Total	15·00
	VII. Mehengarwal Water Shed	
	Drilling holes, Hydraulic Tests and investigations, etc.	5·00
	Total	5·00
	VIII. Flood control component of Seleran Water Shed	1·00
	IX. Flood control component of Tibba Nangal Water shed	1·00
	X. Flood control component of Lalwan Water Shed	2·00
	Total I to X	357·00
	Establishment	43·00
	Total	400·00

CHAPTER VII
POWER

The demand for Power in the State has been steadily increasing on account of rapidly increasing use of electrical energy for agricultural operations, progressive industrialisation and for intensified rural electrification programme. In view of the persistent shortage of power on account of demand outstripping the supply and it being a crucial input for productive sectors, this sector has all along been accorded top priority in the matter of plan allocation. The outlays for the Power Sector as percentage of the total plan outlays since the Fourth Five-Year Plan up to Seventh Five-Year Plan are given in the following table :—

TABLE 7.1

Outlays for the power sector as percentages of total plan outlays since Fourth Five-Year Plan

(Rs. in crores)

Serial No.	Period/Year	State's total plan outlay	Power portion	%age of Col. 4 to 5
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	1957.00	732.94	37.45
5	Seventh Plan	3285.00	1638.00	49.86
6	1985-86	500.00	244.40	48.88

7.2. Keeping in view the target of large scale industrial development and changing trend in energy consumption in agriculture sector the forecast of

energy demand projected up to the year 1989-90 is depicted below :—

TABLE 7.2
Forecast of requirement of Energy upto 1989-90

Year	Anti. Energy requirement in MKWH	Anti. peak demand in MW
1	2	3
1985-86	9926	1939
1986-87	10955	2142
1987-88	12054	2351
1988-89	13218	2572
1989-90	14455	2807

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

- (i) its own projects such as (1) Shanan Power House, (2) UBDC Power House, (3) GNDTP Bhatinda, (4) Mukerian Hydel Project Phase-I, (5) Ropar Thermal Project Stage-I, (6) Diesel Generating sets;
- (ii) from common pool projects of Bhakra-Nangal Complex, Dehar Power Plant and Pong Power Plant (under BCB); and
- (iii) purchase of power from Bassi Power House of H.P. Government and from J. & K. Government.

7.4. The power availability for the State's need would increase on the completion of on going power projects. In addition, the State would also get energy benefits from Central Projects, namely, Baria-Suil, Salal (J & K) and Super Thermal Plant, Singrauli (U.P.) and Badar Pur. The year-wise proposed position with regard to the installed capacity on the basis of the latest commissioning schedule of the various on going projects in the State is given in the following table :—

TABLE 7.3
Likely status of installed capacity

(in MW)

Serial No.	Name of Power House/Project	Installed capacity during							
		1979-80 before 6th Plan	1984-85 by the end of the 6th Plan	1985-86	1986-87	1987-88	1988-89	1989-90	
1	2	3	4	5	6	7	8	9	
1	Shanan Renovation	..	48	60	60	60	60	60	60
2	Shanan Extension	..	..	50	50	50	50	50	50
3	U.B.D.C. Stage-I	..	45	45	45	45	45	45	45

1	2	3	4	5	6	7	8	9
4	Share in Bhakra Complex	613	689	689	689	689	689	689
5	Beas Unit-I	317	317	317	317	317	317	317
6	Beas Unit-I (Ext.)	..	159	159	159	159	159	159
7	Beas Unit-II	60	60	60	60	60	60	60
8	Beas Unit-II (Ext.)	..	30	30	30	30	30	30
9	Anand Pur Sahib Hydel Project	..	..	134	134	134	134	134
10	Mukerian Hydel Project Phase-I	..	45	45	45	45	45	45
11	Mukerian Hydel Project Phase-II	..	..	..	..	45	162	162
12	U.B.D.C.-II	..	..	..	..	..	..	45
13	GNDTP Unit-I and II	220	220	220	220	220	220	220
14	GNDTP Ext. Unit-III and IV	220	220	220	220	220	220	220
15	Ropar Thermal Project Stage-I	..	420	420	420	420	420	420
16	Ropar Thermal Project Stage-II	..	..	..	..	210	420	420
17	Micro Hydel Schemes	..	..	1.50	2.50	2.50	7.00	7.00
18	Diesel Sets	14	10	10	10	10	10	10
Total		1537	2325	2460.50	2451.50	2716.50	3048.00	3093.00

It would be seen from the above table that the installed capacity is likely to increase from 2325 MW in 1984-85 to 3093 MW in 1989-90. The Generation Capacity and energy availability from the full utilisation of these projects in the State, however be as in table 7.4.

TABLE 7.4
Energy availability upto 1989-90

Year:	Energy availability in MKWH	Generating capacity in MW
1984-85	7537	1522
1985-86	8786	1567
1986-87	9564	1704
1987-88	10144	1697
1988-89	11915	1885
1989-90	12754	2117

7.5. The projections of the gap between the requirements and availability of power upto the year 1989-90 are given in the following table :-

TABLE 7.5
Estimated gap between demand and supply of Power

Serial No.	Item	Years				
		1985-86	1986-87	1987-88	1988-89	1989-90
1	2	3	4	5	6	7
1	Generating capacity available MW	1567	1704	1697	1885	2117
2	Anticipated Peak demand MW	1939	2142	2351	2572	2807
3	Deficit (Col. 2-1) MW	372	438	654	687	690
4	Additional installed capacity required to offset the generating capacity deficit MW	581	684	1022	1073	1078
5	Energy availability MKWH	8786	9564	10144	11915	12754
6	Energy requirements-MKWH	9926	10955	12054	13218	14455
7	Deficit (Col. 6-5) MKWH	1140	1391	1910	1303	1701

From the above table it is evident that the State would continue to face power deficit in the coming year.

7.6. The broad strategy followed to determine the inter-se priorities in the power sector is to lay emphasis on the completion of the ongoing projects,

with a view to realising full benefits from them within the shortest possible time. The following table indicates programme-wise details regarding approved outlay for Sixth Plan, Outlay for 1984-85 and outlay for Seventh Plan and the Annual Plan 1985-86.

TABLE 7.6

Programme-wise outlays for Sixth Plan, 1984-85 Seventh Plan and Annual Plan 1985-86

(Rs. in lakhs)

Programme	Sixth Plan 1980-85 Approved outlay	Approved outlay 1984-85	Outlay	
			Seventh Plan 1985-90	Annual Plan 1985-86
1	2	3	4	5
A. Generation	42060.00	16264.00	114250.00	18719.00
B. Transmission and Distribution—				
(a) Transmission	14960.00	—	—	—
(b) Normal Development Works	5594.00	—	—	—
(c) System Improvement of Transmission system	2945.00	—	—	—
Total—B	23500.00	4800.00	43871.00	4800.00
C. Rural Electrification—				
(i) From R.E.C.	3174.00	200.00	5429.00	891.00
(ii) From State Plan	3960.00	—	—	—
Total—C	7134.00	200.00	5429.00	891.00
D. Power Development	600.00	241.00	250.00	30.00
Total—PSEB	73294.00	21505.00	163800.00	24440.00
E. (a) New and Renewable source of Energy including Bio-gas				
(i) Bio-gas (Agriculture Department)	30.00	5.00	39.00	5.00
(ii) New and Renewable source of Energy	—	—	121.00	13.00
(b) Integrated Rural Energy Programme	—	—	90.00	17.00
Total—E	30.00	5.00	250.00	35.00
Grand Total	73324.00	21510.00	164050.00	24475.00

7.7. The Electricity Board has no capital of its own. The total capital structure comprise loans which are raised from the State Government and other financial institutions i.e. Life Insurance Corporation, Rural Electrification Corporation and Agriculture

Refinancing Development Corporation. In addition, the funds are also raised from the market by way of issuing bonds which are guaranteed by the State Government. The provision to raise loan against G.P.F.

investment is also there. The plan budget of the sub-head 'Power' for Seventh Five-Year Plan 1985-90

and the Annual Plan 1985-86 will be financed as per details given in the following table :—

TABLE 7.7

Sources of Finances for implementing Power Sector

(Rs. in crores)

Sources	Seventh Five Year Plan 1985-90	Annual Plan 1985-86
1. Borrowing from the market (Bonds)	62.74	16.82
2. Borrowing from L.I.C.	43.82	6.72
3. Borrowing from R.E.C.	53.38	8.00
4. Borrowing from IDBI	9.29	9.29
5. Consumer's contribution	75.00	13.00
6. Retained Profit	(-217.95)	(-21.66)
7. Net inventories used on plant works	(-4.45)	(-3.45)
Total	21.83	28.72
8. State loan	1616.17	215.68
9. Plan Outlay (Power)	1638.00	244.40

The various projects/programmes to be executed during 7th Plan and in 1985-86 are discussed below :—

A. Multipurpose Projects:**(i) Beas Projects (Unit I, II and their Extensions):**

7.8. These are inter state projects with Punjab, Haryana and Rajasthan as partners. These projects are being executed by the Beas Construction Authority. All these projects have already been commissioned and the installed capacity of 566 MW as Punjab's share has been added to the system. The allocation now provided both for Seventh Five-Year Plan and the Annual Plan 1985-86 for these projects is only for completing the left over jobs and for discharging the contractual liabilities.

(ii) Thein Dam Project :

7.9. The Project envisages the construction of 147 metre high dam on River Ravi, 24 kms. upstream of Madhopur Headworks. The project is now estimated to cost Rs. 742.59 crores at July 1984 (provisional) price level and envisages the installation of four units of 150 MW capacity each in the Power house at the dam site. In case the construction of project commences immediately, the first unit of the project is likely to be commissioned in 1992-93. As this is the only major hydel project left with Punjab, the Government has now decided to execute this project expeditiously and with this in view this project is being funded adequately both in Seventh Five-Year Plan

1985-90 and the Annual Plan 1985-86. An outlay of Rs. 500.00 crores and Rs. 75.00 crores has been provided for Seventh Plan and the Annual Plan 1985-86 respectively.

Power Projects:**I Ropar Thermal Project—Stage-I:**

7.10. Both the Units of the project of 210 MW installed capacity each have already been commissioned. A sum of Rs. 27.00 crores and Rs. 16.00 crores has been provided for Seventh Five-Year Plan and the annual plan 1985-86 respectively. This allocation would be for liquidating balance payments and completion of left over jobs of the project.

II Ropar Thermal Project Extension-II (420 MW) :

7.11. This project has been approved by the Planning Commission, Government of India as a Sixth Plan Project. It envisages installation of two additional units of 210 MW capacity each at Ropar Thermal Project. Keeping in view the dismal power supply position, the work was taken up on this project even in 1984-85 to utilise existing infrastructure man force of RTP Stage-I as this is the only project which is expected to add significant installed capacity (420 MW) and increase the energy availability during Seventh Plan considerably. As such the project is adequately funded during the Seventh Plan and for the Annual

Plan 1985-86 respectively. The details of outlays and the cost of the project is given as under :—

	(Rs. in lakhs)
(i) Latest cost of the project as on 31-3-85 ..	35197.00
(ii) Expenditure during 1984-85 ..	1496.00
(iii) Spill over requirements after 1984-85 ..	33701.00
(iv) Allocation for 7th Plan 1985—90 ..	32600.00
(v) Allocation for 1985-86 ..	3750.00

7.12 The major items on which the allocation of 3750.00 lakhs for 1985-86 would be spent are temporary buildings (store, sheds etc.), permanent buildings (residential buildings, hospitals, schools, shopping centres, club etc.), main power station, other technical buildings including Central rooms (excluding foundations), foundation for Power Plant and equipment, steel structures and general facilities. The project is expected to be commissioned in 1987-88.

II. Mukerian Hydel Project: 162MW :

7.13. This is an ongoing project of the 6th Plan which envisages installation of 4 power houses (two power houses comprising 6 units of 15 MW installed capacity each and other two power houses consisting of 6 units of 19.5 MW installed capacity each) with a total installed capacity of 207 MW. Although formal approval of the project is still awaited due to inter-State aspects but the work on this project is going on for the last many years. The 1st power house comprising 3 Units of 15 MW installed capacity each has already been commissioned. The work on the remaining power houses which was at initial stages had to be deferred during 1983-84 due to constraint on resources. Only in 1984-85 the work of project was again taken up speedily. The project has been adequately funded both for Seventh Five-Year Plan and the annual Plan 1985-86. The estimated cost of the project calculated at Rs. 115.58 crores at 1980 prices level has been revised upward to Rs. 270.00 crores in 31st March, 1985.

7.14. The details of outlay and expenditure up to date are given below :—

	(Rs. in lakhs)
1. Cost estimate at 1980's price level ..	11558.00
2. Cost estimates at 1982's price level ..	23519.00
3. Cost estimates at 31-3-1985's price level ..	27000.00
4. Anti. expenditure incurred up to 1984-85 ..	11036.27
5. Spill over requirement after 1984-85 ..	15963.73
6. Allocation for 7th Plan 1985—90 ..	14208.00
7. Allocation for Annual Plan 1985-86 ..	4700.00

7.15. The major items on which the proposed allocation of Rs. 4700.00 lakhs would be spent are hydel channel (excavation and lining), By-pass channel, Bridges, cross drainage works, Temporary Buildings etc. It is envisaged that the project would be ready for commissioning in 1987-88.

IV. Micro Hydel Schemes :

7.16. There are a large number of small canal falls available in Punjab which can be utilised for generation of power. So far 18 such schemes with total installed capacity of 78.874 MW at an estimated cost of Rs. 13961 lakhs have been prepared and submitted to C.E.A. for approval. Only five micro schemes have been cleared from the Government of India. Two schemes, namely, Nidam Pur and Daudhar have already been taken up for execution and orders have placed on BHEL as a turn key job. Work on remaining three schemes i.e. Dhariwal, Thuhi and Rohti will be taken up in 1985-86. The installed capacity of 7.00 MW would be added to the system from these schemes by 1988-89. This scheme is fully funded in the Seventh Plan. An outlay of Rs. 1300.00 lakhs and 200 lakhs is provided for Seventh Plan and in Annual Plan 1985-86, respectively. The experience to be gained in the execution of these five schemes will then be fruitfully utilised for execution of other schemes.

V. Participation in Hydel Projects with neighbouring States :

7.17. After the completion of on going projects like APSHP, MHP and Thein Dam Punjab will be left with little hydel Power potential to be exploited in the State. To meet with the ever growing demand for power Punjab will have to either go in for exploitation of vast Hydro potential of H.P. and J & K in collaboration with the concerned States. A memorandum of understanding has been reached with Himachal Pradesh for Joint collaboration of Baspa Hydro Electric Project (400 MW) and Karcham Wangtoo Hydro Electric Project (600 MW) respectively. As per memorandum of understanding Punjab will bear 75 per cent of the cost and receive 63 percent share in power. Accordingly it is proposed to carry out detailed investigations immediately and start the work on these two projects during Seventh Five-Year Plan. An outlay of Rs. 200.00 lakhs and 142.00 lakhs are provided for Seventh Plan, 1985—90 and Annual Plan 1985-86 respectively.

VI. Renovation/Modification of GNDTP-Bhatinda :

7.18. Although the performance of all the 4 units of GNDTP-Bhatinda has been improving from year to year due to better mangement techniques and improvement in the coal supply/quality yet the Plant and machinery installed at Bhatinda Thermal Plant had some inherent design deficiencies. The coal handling system is not adequate vis-a-vis the need of the plant. The design deficiencies have been identified in consultation with CEA and BHEL and the following remedial measures have been suggested :—

- (i) Improvement and extension of coal handling system.

- (ii) Modification/Replacement of Electro-Static precipitators and connected Ash handling system.
- (iii) Providing Economisers and Air Heater Block of Modified Design.
- (iv) Providing additional clarifier for D.M. Plant.

PSEB had already taken up the work in this regard and economisers of two units have already been replaced and the work for the replacement of the third economiser is under execution. Orders for all other equipment have already been placed. Outlay of Rs. 950.00 lakhs and Rs. 650.00 lakhs has been provided in Seventh Five-Year Plan and for Annual Plan 1985-86 respectively for this project. Taking in view the urgency of this scheme the Centre Government has also agreed to provide loan for this scheme over and above the foresaid allocation.

VII. UBDC-II :

7.19 UBDC Stage-II with installed capacity of 45 MW (3 units of 15 MW installed capacity each) stands approved by the Planning Commission as a part of Thein Dam Project. The Government has already decided to take up this project by PSEB independent to Thein Dam though the pre-Thein benefit from this project is partial that too only for 3 months a year. So it has been decided to take up this project for execution in 1986-87 so that it would complete alongwith the Thein Dam. This project is fully funded (Rs. 5000.00 lakhs) for the 7th Five-Year Plan and no allocation has been provided for 1985-86.

VIII. Other Completed Projects :

7.20 The projects namely GNDTP-Bhatinda III & IV, Anand Pur Sahib Hydel Project and Shanan Projects have been completed. The allocation provided both for Seventh Five-Year 1985-90 and the Annual Plan 1985-86 for all these projects is only for completing the left over jobs and for liquidating the balance payments.

NEW SCHEMES

IX. Shah Pur Kandi Project (94 MW):

7.21 The Shah Pur Kandi Project envisages the construction of barrage across river Ravi down stream of the Thein Dam site and upstream of the existing Madho Pur Headworks. The Project would create an installed capacity of 94 MW (two units of 47 MW capacity each) of power. The original cost of the project which was estimated at Rs. 68.16 crores at 1980's price level has been revised upward to Rs. 160.00 crores (at 31st March, 1984 price level). It is felt in the meeting of the Central Working Group

on Energy that it would be more viable if the Commissioning of this project is synchronised with the commissioning of Thein Dam. An allocation of Rs. 1742.00 lakhs and Rs. 6.00 lakhs only is provided for Seventh Plan and the Annual Plan 1985-86 respectively. The allocation of Rs. 6.00 lakhs is provided for the investigation staff already posted on the project.

X. Sutlej-Yamuna Link Project:

7.22, The Sutlej-Yamuna Link Project has four units of 44 MW installed capacity (two units of 12 MW capacity each near Ropar and the other two units of 10 MW capacity each near Rajpur). Preliminary Works for construction of Sutlej-Yamuna Link for carrying Haryana share of surplus Ravi Beas Waters are in progress. The canal takes off from down stream of Anand Pur Sahib Hydel Project Power House-II and will leave Punjab territory near Rajpura. The Project report for this project was submitted to Central Electricity Authority in November, 1982 and is still under consideration. The cost estimates of the project at November, 1982's price level is Rs. 78.00 crores. An allocation of Rs. 2.00 crores is provided for Seventh Plan and it would be taken up for execution in 1987-88.

XI. Ropar Thermal Project Stage-III:

7.23. RTP-III—As per initial proposals 5 units of 210 MW capacity each were to be installed at Ropar Thermal Project. Planning Commission has however, approved only four units so far, two units under stage-I and two under stage-II. It is now proposed to install two more units under stage-III for which the project report is under preparation. Only one unit would be taken up for execution during Seventh Plan. The manpower and machinery already available under stage-II would be suitably utilised.

XII. GNDTP Stage-III (Unit V & VI):

7.24 This project envisages installation of two units of 210 MW installed capacity each near the existing 4 units of 110 MW each at Bhatinda. The project report has already been submitted to CEA for its approval. The work of this project is proposed to be taken during Seventh Five-Year Plan. A sum of Rs. 4000.00 lakhs has been provided both for RTP-III and GNDTP Stage-III (V and VI) jointly for the Seventh Five-Year Plan. However no allocation is provided for Annual Plan 1985-86.

(B) Transmission and Distribution :

7.26. The transmission lines are the means to transmit power from the power plants to grid-substation and further the sub-transmission and distribution system helps to carry the power to the consumers. Thus, transmission and distribution works are very essential and must keep pace with the generation. Inadequate transmission and distribution system results in poor voltage and increased losses. The consumers do not get proper voltage and, therefore, suffer while the State Electricity Board suffers because

of transmission losses. The development of transmission and distribution system has not kept pace with the expansion of generation facilities in the State because of various reasons including inadequacy of funds. This has been avoided in the Seventh Plan and adequate provision has been made for this purpose both for Seventh Five-Year Plan 1985-90 (Rs. 43871 lakhs) for 1985-86 (Rs. 4800.00 lakhs).

(1) CONTINUING SCHEMES

(a) Beas Transmission Project —

7.27. The project (220 KV and above, 132 KV and below) provides for the transmission lines connected with the Beas Project Unit-I (Dehar Power Plant) and are meant for the evacuation of power from the Power Plant, interconnection with existing grid and carrying the power to the load centres and certain augmentation work. The works are of two kinds, namely BCB common works and PSEB works.

(i) BCB Common Transmission Works :

7.28. These Works consist of certain 220 KV and above lines which are common to 3 partner States, namely, Punjab, Haryana and Rajasthan and being executed by the Beas Construction Board. As per decision of the Standing Committee of the Beas Construction Authority, the cost of these works is being shared in the ratio of 24.5 per cent, 51.7 per cent and 23.8 per cent among, Punjab, Haryana and Rajasthan, respectively.

(ii) PSEB Works :

The works connected with the Beas Transmission Projects are being executed by PSEB (exclusively). These are of the three types namely, 220.KV, 132.KV and 66KV works.

(b) 7.29. The transmission works comprising lines, new substations and augmentation of various sub-stations provided in the transmission projects namely UBDC-I, Bhakra Right Bank, GNDTP Project, GNDT-Ext. project and Ropar Thermal Project are connected with their respective generation schemes. The works on most of the projects have been continuing since the last few years. Due to non-availability of adequate funds it has not been possible to complete these works covered under respective projects with the result that there has been backlog and works are pending which were planned much earlier. Efforts would be made to undertake works during Seventh Plan for completing the pending and new transmission works of these projects.

(c). 220 KV, 132 KV and 66 KV transmission works of Fifth plan :

7.30. The works for 220 KV, 132 KV and 66 KV transmission system connected with the 5th Plan schemes has been under execution for the last few years. Due to constraint of financial resources many works are still under construction and would complete in due course. It is expected that these works would be completed by the middle of the Seventh Five-Year Plan.

(d) 220/132/66 KV Transmission works of the Sixth Plan connected with New Schemes (PSEB)

7.31. The project transmission works relating to generation schemes such as Anand Pur Sahib Hydel Project and Mukerian Hydel Project Phase-I taken up during Sixth Plan has been finalised by the CEA/Planning Commission. It is envisaged that these works would be completed by the end of Seventh Plan.

(e) 220/132/66KV Transmission Works of the Seventh Plan connected with new scheme (PSEB).

7.32. The project transmission works for Seventh Plan relating to new generation schemes such as Mukerian Hydel Project-Phase-II, Ropar Thermal Project Stage-II and UBDC-II has been finalised by the CEA/Planning Commission.

II. Sub-Transmission Lines (33 KV) and Sub-stations :

7.33. These works comprise construction of 33KV transmission Lines and sub-station which are not covered under the above transmission projects. These 33 KV sub-station, serve as links between the main transmission sub-station and the consumer sub-stations at 11 KV voltage. A number of 33 KV sub-stations have been planned and are under execution whereas some new substations have to come up in the rural areas. Unless the 33 KV sub-stations are completed and brought in position as planned, it would not be possible to meet the requirement of tubewells and other industrial connections in the rural and urban areas. The completion of the sub-stations would also help reduction of distribution losses.

Normal Development Works :

7.34. The normal development works include giving general (domestic and commercial) and industrial connections, erection of new LT and HT lines, distributive sub-stations and augmentation thereof. The information showing achievement under Normal Development Works (General and industrial connections) upto 1984-85 and target both for Seventh Five-Year Plan and the Annual Plan 1985-86 are given as under :—

TABLE 7-8

Serial No.	Particulars	Unit	Ach. upto 1984-85	Target	
				Seventh Plan 1985-90	Annual Plan 1985-86
1	2	3	4	5	6
1	General Connection (Domestic/Commercial)	.. No.	2276012	625000	125000
2	Industrial Connection	.. No.	68532	25000	5000

Improvement of Transmission and Distribution System and reduction of transmission and distribution losses in Punjab.

7.35. Due to haphazard load growth in achieving 100% rural electrification in the State, low load factor in the rural areas, rural load being farflung, the transmission and distribution losses in the State have been quite high. A system where agriculture accounts for about 40% of the total consumption the transmission losses are likely to be high. PSEB has laid down certain guidelines for increasing the efficiency of the pump sets thus expecting, more reduction in T and D losses in agriculture sector. There is however, considerable scope for reduction in transmission and distribution losses through system improvement. As a result of various measures undertaken during the last few years it has been made possible to reduce the transmission losses from 34.9% in the years 1968-69 to 19.03% in the year 1984-85. There is a scope for further reduction of losses and it is expected that transmission and distribution losses would be reduced to the level of 18% by the end of the Seventh Five-Year Plan 1985-90.

(c) Rura Electrification :

7.36. In the Sixth Plan, Rural Electrification has been given due emphasis, now that all the villages have been electrified at least in a formal sense, the next step is to intensify and improved use of power in the rural areas. The most important directions are (i) the energisation of tubewells/pumping sets 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 conditions by augmentation and improvement works.

Energisation of Tubewells :

7.37. The number of tubewells/pump set energised in the State upto the end of 1984-85 was 410,519. It is proposed to go a little slow, under this programme due to persistent shortfall in the availability of energy anticipated throughout the Seventh Plan period. Thus the target for energising the tubewells has now been fixed at 100,000 in the Seventh Plan. and 25000 for the Annual Plan 1985-86.

SCIENCE AND TECHNOLOGY COMPONENT :

7.38. It has already been decided that Science and Technology Component shall form an integral part of the power Sector. It is established fact that the Works entrusted to PSEB for development of Power can be executed/maintained technoeconomically only in a scientific manner by using the latest technology. Efforts will be made in the Seventh Plan to acquire and utilise the latest technology for the development of Power Sector which in addition to its routine jobs will include :—

- (i) Development of non-conventional sources of Energy like Solar Power, Wind Power and Bioproducts etc.

- (ii) Devising ways and means for conservation of energy in the industrial and agricultural sector and imparting necessary guide lines to the consumer for using latest technology and equipment.

The details of schemes falling under this programme is given as under :—

A--POWER DEVELOPMENT

(a) Investigation :

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

(b) Research Station :

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

(c) Load Despatch Centre :

7.41. The necessity of running the power system on an integrated basis has already been recognised. The State of Punjab is covered under Northern Region, which also comprises Rajasthan, Haryana and Himachal Pradesh. It is proposed to have a Regional Load despatch Centre at Delhi under auspices of Northern Regional Electricity Board. For achieving close coordination within the constituent States of the region, State load Despatch Centres are to be set up in each State. Such a centre in the State of Punjab is being set up at Patiala.

B New and Renewable Source of Energy including Bio-gas (Energy)

(i) Installation of Bio-gas Plants :

7.42. The most important scheme under this programme is "installation of Bio-gas Plants". It was taken up during 1974-75. Since then the scheme has been adopted in a phased manner. Earlier it was a 100% Centrally sponsored scheme but from the year 1979-80 it was transferred to the State Sector. To begin with the scheme was adopted with 25% subsidy which was reduced to 20% from the year 1976-77. The rate of subsidy was again enhanced to 35% of the

total capital cost of the Plant w.e.f. 1981-82. However, towards the close of the year 1982-83 it was again taken up as a central sector programme and the financing pattern was also changed. Revised pattern of Central subsidy for Bio-gas Plant is as under :—

Size of the plant (cum)	Amount of subsidy (Rs.)	
	For members of S.C.	All others
2	2350	1560
3	2860	1900
4	3220	2140
6	2610	2610

Size of the plant (cum)	Amount of subsidy (Rs.)	
	For members of S.C.	All others
8	3100	3100
10	3700	3700
15	5430	5430

7.43 During the years 1977-78, 1978-79 and 1979-80, no expenditure on the scheme was incurred. However, during the year 1980-81, a sum of Rs. 4.00 lacs was spent for defraying the additional cost of gas holders/guide frames pertaining to the Gobar Gas Plants, set up during 1976-77 (3rd phase). The phase-wise progress of bio-gas is given below :—

TABLE 7.9
Progress of Biogas Development work in the State of Punjab upto 31st March, 1985

	1974-75 Phase-I	1975-76 Phase-II	1976-77 Phase-III	1981-82 Phase-IV	1982-83 Phase-V	1983-84 Phase-VI	1984-85 Phase-VII	Total
Target	2002	4250	3500	700	2500	1250	1500	15702
Lifted (gas holders & guide frames)	1938	4197	3215	486	2324	892	91	13143
Installed	1883	4089	2458	383	1181	396	996	11386
Backlog (out of lifted)	55	108	757	103	1143	496	(KVIC & Janta Model) N.A.	2662
Percentage installed (lifted/Installed)	97.16	97.46	76.45	78.80	50.82	44.4	—	74.18 (Average)

7.44. The department has installed 11,386 plants out of 13,143 plants lifted upto 31st March, 1984. Under the changed financing pattern, Government of India will bear 100% expenditure both on staff and subsidy for Bio-gas plants in six districts namely, Ferozepur, Gurdaspur, Jalandhar and Hoshiarpur (one unit) Ludhiana and Patiala. In the remaining six districts, the expenditure on staff will be borne by the State Government for which Rs. 5.00 lacs has been provided for 1985-86. However, the subsidy portion in these districts will be provided by Government of India. It is envisaged to install 2000 Bio-gas Plants of various capacities ranging from 2 cum to 15 cum in the State during 1985-86 and the total cost of the scheme is Rs. 95.00 lakh.

(ii) New and Renewable Source of Energy :

7.45. These Schemes would be executed by the Technology department and the funds would be charged to the head Science and Technology. The scope of these schemes would include research

and the implementation of programme pertaining to New & Renewable source of energy. A sum of Rs. 121.00 lakhs and Rs. 13.00 lakhs has been provided for this scheme in Seventh Five-Year Plan and the Annual Plan 1985-86, respectively.

(b) Intergal Rural Energy Programme (IREP) :

7.46. This programme has been taken as a full-fledged programme and now being extended to all States in Seventh Plan. This programme is based on area development approach with the block as the unit of Planning for meeting energy needs for domestic and productive activities through the optimum mix of conventional and non-conventional energy sources. It involves setting up a State and District level cell which will prepare and implement integrated Rural Energy Projects for the selected blocks.

7.47 This would envisage decentralised energy production and distribution for meeting the Energy needs of the dispersed rural population. In the Pilot

Programme taken up by States, a number of innovative ideas have been introduced for production of energy from renewable sources, such as bio-gas, solar, wind and micro hydel power. In addition, optimisation of the available energy has been intended through distribution of smokeless chulhas, improved kerosene stoves, improved wood burning stoves, mobile lowhead lift pumps, improved bullock carts, bullock driven pumps, etc. Even Energy plantation has been taken up under some pilot projects to meet the fuel needs of the people. It is thus a programme which

needs an integrated and multi-disciplinary approach on the one hand and urgent efforts at dissemination of available information and extension work on the other.

7.48. A sum of Rs. 90.00 lakhs and Rs. 17.00 lakhs has been provided for Seventh Five-Year Plan and the Annual Plan 1985-86 respectively for this programme. The funds would be charged to the head 'Science and Technology', execution may be done by any other department.

CHAPTER VIII

INDUSTRY AND MINERALS

Punjab which has shown spectacular performance in agricultural production has not shown the same degree of vitality on the industrial front. It is however, gradually catching up. In the case of Industries its contribution to the State income in 1983-84 was 13.5 per cent as compared to all India average of 14.5 per cent, the corresponding contribution was 12.6 per cent and 17.4 per cent, respectively in 1979-80. This share is required to be pushed up further to have a diversified State economy and for achieving continuing higher rate of economic growth. The policy thrust adopted during the Sixth Plan shall, therefore, be continued with greater vigour during the Seventh Five-Year Plan. For that reason, the following long range objectives adopted during the Sixth Plan period shall be honoured and further nourished :—

- (i) Accelerated growth and realisation of economic benefits from the infrastructure already created ;
- (ii) Diversified rapid industrialisation of the State ;
- (iii) Promotion of rural industries to ameliorate the economic condition of the weaker sections of the society ;
- (iv) Special emphasis on small scale industrial units to create maximum employment ;
- (v) Incentives to industrialists for setting-up of industries ; and
- (vi) Export of State's industrial products and exploring new markets for exports.

8.2 In the Sixth Plan against the approved outlay of Rs. 8183.00 lakhs an actual expenditure of Rs. 7414.40 lakhs was incurred. For the Seventh Five-Year Plan an outlay of Rs. 12331.00 lakhs has been approved while approved outlay for the Annual Plan 1985-86 is Rs. 1910.00 lakhs. Sector-wise details of the schemes included in the Seventh Five-Year Plan are given as under :—

A. VILLAGE AND SMALL SCALE INDUSTRIES

8.3 By and large the spectrum of industries in the State is mainly in the small/tiny sector. The growth of this sector during the Sixth Plan period has been a significant feature of the planned economic development in the State. The increase in the number of such units, expansion in the volume of production, employment created and the extent of industrial dispersal testify the progress achieved. Vast potential however, still exists in small scale sector. In view of the fact that small industries have an advantage in terms of investment, high employment potential and easy dispersal in rural and backward areas ambitious targets were fixed for setting-up small scale industries during the Sixth Plan. The achievements made have been equally encouraging. Against the target of 55700 new units targeted to be set-up during the Sixth Plan the actual achievement has been 56139 new units.

8.4 The main physical targets for the small scale and village industries during the Seventh Plan are given below (in table No. 8.1) in comparison with base year (1984-85) level and clearly indicate the growth expected in this sector.

TABLE 8.1
Physical targets for the Small Scale and Village Industries during the Seventh Plan

Sr. No.	Item	Base Year		Plan period			
		1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8) —
1	Units	100899	108899	116899	124899	132899	140899
2	Fixed Investment (Cr. Rs.)	508	559	615	677	745	820
3	Production (Cr. Rs.)	1320	1452	1597	1757	1933	2126
	(a) Modern Industry	1124	1236	1359	1495	1645	1809
	(b) Power-loom	57	63	69	76	83	91
	(c) Village Industry	139	153	169	186	205	226
4	Exports (Cr. Rs.)	118	130	143	157	173	190
5	Employment (lakhs)	5.46	6.01	6.61	7.27	8.02	8.80

Note.—Investment Production and Exports are at constant prices with 1979-80 as base.

8.5. Against the Sixth Plan outlay of Rs. 2061.00 lakhs for the Village and Small Scale Industries the

actual expenditure incurred was Rs. 1944.69 lakhs. For the Seventh Five-Year Plan an outlay of

Rs. 3460.00 lakhs has been provided. In the Annual Plan 1985-86 an outlay of Rs. 514.00 lakhs has been earmarked. Scheme-wise details are added in the succeeding paragraphs.

Directions and Administration :

8.6 IN 1.1 Strengthening of the cell for the grant of incentives : The State Government had been evolving policies for the grant of various incentives for the promotion of new industries. A policy in this regard was announced on 16th February, 1973 (now called the Old Policy). A revised policy was announced in March, 1979 which is called the new policy. The Department had been managing the administration of these schemes by making adjustment of staff from various other schemes but a stage has now come where it has become necessary to adequately strengthen this cell to effect recoveries which fall due next year and to maintain proper accounting. During the Seventh Five-Year Plan, an outlay of Rs. 5.00 lakhs has been provided and only a token provision of Rs. 0.01 lakh is made for the year 1985-86.

Small Scale Industries :

8.7 IN 2.1 District Industries Centres (DICs).— These Centres which were created during the Sixth Plan will continue to function in all the 12 districts of the State. The expenditure on staff of these centres is to be met by the Government of India and the State Government on 50 : 50 basis. Other programmes of promoting industries cover grant of seed/margin money, grant of loans and promotion of Rural Industries Programmes/Rural Artisan Programme. An outlay of Rs. 300.00 lakhs has been provided as State share for this programme and an equal amount will be forthcoming from the Government of India as 50 per cent contribution, the outlay proposed for the year 1985-86 is Rs. 54.00 lakhs which includes Rs. 32.20 lakhs for staff, Rs. 16.80 lakhs for seed/margin money and Rs. 5.00 lakhs for the building of District Industries Centre, Amritsar.

8.8 IN 2.2 Generating Set Subsidy : To counteract the shortage of power and to encourage the industrial units to purchase their own generating sets as a stand by arrangement to meet power cut imposed on the electric consumption of all industrial units in the State from time to time due to power shortage which has almost become a permanent feature. The scheme for the purchase of generating set subsidy which was introduced during the year 1973-74, but later on withdrawn is being revived as the availability of power has not improved. The scheme envisages subsidising the cost of generating sets, purchased by various industrial units through Punjab Financial Corporation/Nationalised Banks, subject to a maximum of Rs. 0.50 lakhs. Outlays of Rs. 100.00 lakhs and Rs. 20.00 lakhs have been provided for Seventh and Annual Plans respectively.

8.9 IN 2.3 Capital Subsidy : Central scheme for 15 per cent subsidy on fixed capital investment is applicable in three districts of Hoshiarpur, Sangrur and Bhatinda and 10 per cent subsidy is admissible in the districts of Ferozepur and Gurdaspur. In the State Plan, a subsidy on the Central pattern @ 15 per cent is provided to units set-up in border, bet and sub-montane areas which are declared industrially

backward by the State Government. During the Sixth Plan period Rs. 572.16 lakhs have been advanced under the scheme. In order to maintain the tempo of development in the State the scheme will continue in the Seventh Plan period also. An outlay of Rs. 2000.00 lakhs has been provided for the Seventh Plan and Rs. 275.00 lakhs in the Annual Plan 1985-86. A minimum of 1250 industrial units are expected to benefit during the Seventh Plan. There is a backlog of Rs. 460.00 lakhs from the Seventh Plan which will be carried over to the Seventh Plan.

8.10 IN 2.4 Training of staff and visit to Industries in other States.—Under this scheme officers of the Industries Department are sent for training at various institutes like NITE in Bombay and CFTI in Hyderabad. The scope of the scheme has been enlarged to cover sponsored visits of industrialists to other industrially developed areas in the country. An outlay of Rs. 5.00 lakhs has been provided for the Seventh Plan and Rs. 1.00 lakh for the Annual Plan 1985-86.

8.11 IN 2.5 Equipping and Modernisation of Industrial Development Centres (I.D.C.s) At present eight Industrial Development Centres for engineering goods, one each for paint and varnish, electronics items, plastic moulds, rubber goods, textile, agricultural implements, rolling mills, gear grinding facilities and two for seasoning and chemical treatment of wood/timber are functioning in the State. These centres were set-up mostly during the period from 1955 to 1965 and a few centres were set up during 1976-79. These centres are providing common facilities to the industrial units which can not afford to have their own machinery due to heavy investment involved. The industrial development centres have played a major role in the growth of the small scale industry of the State during the last two decades. With the development of industry the need for provision of common facilities and other development facilities has become all the more important. The machinery presently installed in these centres has become obsolete or have outlived its utility. Further additional machinery and equipment for the designing/development of new products as per latest/modern designs and common facilities in the new area of technology is required. Therefore, a provision of Rs. 80.00 lakhs has been made for this scheme for the Seventh Plan and Rs. 12.00 lakhs for the year 1985-86.

8.12 IN 2.6 Equipping and Modernisation of Quality Marking Centres—At present nine Quality Marking Centres for engineering goods, one for sports and leather goods, one for electronics products and four for textile/handicrafts are functioning in the State. Apart from these three Industrial Development-cum-Quality Marking Centres one each for rubber goods, paint and varnish and for electronics items, are also carrying out various activities, in addition to their normal activities under this scheme. Most of the Quality Marking Centres were established during the period 1956-1962. During the last two decades, fast development of the industry in the small scale sector of the State, has taken place. These centres have played a major role in the quality improvement of products, in providing testing facilities and in tendering technical guidance for implementing inplant quality control. With the assistance of these centres the

small scale industry of the State has been able to export a sizeable portion of its production to various countries despite very tough competition from developed countries. But now, it is felt that the testing equipment and instruments available in these centres have either outlived their utility or have become obsolete with inflow or more sophisticated technology in industry. The laboratories of these centres are not fully equipped to cater to the needs of small scale units which have developed significant skills for quality products. To carry out modernisation of these centres an amount of Rs. 40.00 lakhs is provided for the Seventh Plan and Rs. 5.00 lakhs for 1985-86.

8.13 IN 2.7 Sewing Machine Development Centre, Ludhiana :—This Centre is being set-up at Ludhiana with the assistance to UNDP/UNIDO. Because of reasons such as non-availability of a suitable subcontractor, difficulty in locating the suppliers and high cost involved in procurement of imported equipment to be provided by UNDP/UNIDO, the project implementation has been delayed by a couple of years. Presently, all loose ends of the project have been tied up. In order to implement the scheme an amount of Rs. 30.00 lakhs is provided for the Seventh Plan and Rs. 2.00 lakhs has been made available for the year 1985-86.

8.14 IN 2.8 Punjab Test House, Ludhiana :—During the Sixth Five Year Plan this scheme was taken up in the pattern of other institutes like National Physical Laboratory, New Delhi and National Test House, Alipur, Calcutta, with the objective of providing testing facilities in different branches of engineering and textiles. For the present it is proposed to set-up mechanical engineering, electrical engineering, chemical engineering and textile laboratories. It is also proposed to complete the construction work. The building work is in progress and two laboratories pertaining to textiles and chemicals have already been set-up and machinery installed. It is expected that the rest of the laboratories will be completed in 1985-86. An outlay of Rs. 50.00 lakhs has been provided in the Seventh Plan and Rs. 12.00 lakhs for 1985-86 for the completion of building.

8.15 IN 2.9 Modernisation of Small Scale Industries :—This scheme was started during the Fifth Five Year Plan and is continuing since then. Under this programme 450 small scale units have so far been covered. As a number of small scale units in the State are still following outmoded technology and using obsolete machinery, for their technological upgradation the continuation of the scheme is considered essential during the Seventh Five Year Plan. Thus a provision of Rs. 75.00 lakhs for the Seventh Plan and Rs. 10.00 lakhs for the year 1985-86 have been earmarked.

8.16 IN 2.10 Research and Development Centre for Bicycles, Ludhiana :—This centre is being set-up at Ludhiana with the assistance of UNDP/UNIDO. Due to certain reasons beyond the control of Government as well as the Project authorities the project implementation has been delayed by a couple of years. However, during this period there has been some escalation in the project cost. The Government of

India have been requested to provide additional UNDP funds for the completion of this project. Lot of facilities particularly those of heat treatment shop, metal finishing section i.e. planting and painting shop, metallurgical and mechanical laboratory, special laboratory for life and environmental tests of bicycles and its components will have to be completed during the Seventh Five Year Plan. In order to complete the project an amount of Rs. 30.00 lakhs is provided. An outlay of Rs. 2.00 lakhs is provided for 1985-86.

8.17 IN 2.11 Extension of Central Food Technological Research Institute Building, Ludhiana :—An extension centre of Central Food Technological Research Institute, Mysore is functioning at Ludhiana. The State Government has provided the requisite building which houses the laboratories. The institute has an extension plan, for which addition to building was taken up during the Sixth Five Year Plan. But for certain unavoidable reasons the work of additional building could not be completed. This is to be taken up during the Seventh Plan period. An amount of Rs. 6.00 lakhs have been provided for the Seventh Plan period and Rs. 2.00 lakhs for the year 1985-86.

8.18 IN 2.12 Implementation of Quality Control Order on Household Electrical Appliances :—In order to improve the quality of household electrical appliances, Government of India have issued an order called the House Hold Electrical Appliances (Quality Control) Order 1981, under the Essential Commodities Act. This order came into force with effect from 12th November, 1981, for protecting health and life of the consumers using such appliances. For the implementation of this order, a Central electrical laboratory is being set-up. For the implementation of this scheme, an amount of Rs. 25.00 lakhs is provided during the Seventh Plan and an outlay of Rs. 6.00 lakhs for the year 1985-86.

8.19 IN 2.13 Effluent Treatment Plant in various IDCs.—The Industrial Development Centres (Engg.) at Ludhiana, Batala, Patiala, Bhatinda, Jullundur, Amritsar and Moga are providing heat treatment facilities to needy small scale industrial units of their respective areas. Effluent treatment plants have to be installed in these centres as to meet the provisions of the Water Prevention and Control of Pollution Act, 1974. For this purpose an outlay of Rs. 30.00 lakhs is required during the Seventh Plan period for implementation of this scheme and Rs. 10.00 lakhs is provided for the year 1985-86.

8.20 IN 2.14 Chief Inspector of Boilers :—The number of boilers have increased from 802 during 1966, to 1032 during 1982-83 and the staff strength has remained the same. It has become very difficult for the present staff to cope up with the additional burden of work as a result of increase in number of boilers because it tentamounts to more inspections of boilers, mountings and fittings, renewal of licences and other related work i.e. issue of notices and receipt of treasury challans. In order to carry out the smooth working of boiler inspection, it is necessary to appoint additional staff. An outlay of Rs. 8.00 lakhs is provided during the Seventh Plan period and Rs. 1.25 lakhs for 1985-86.

8.21 IN 2.15 Incentives for Quality Certification of SSI Products :—The Government of India, Department of Industrial Development DCSSI, New Delhi has introduced a new scheme of incentives for quality certification of small scale industry's products, which intend providing financial compensation to the entrepreneurs as an incentive for improving the quality of the products. The total cash incentives shall be subject to a maximum ceiling of Rs. 2000.00 and the Central Government would reimburse to the State Government 50 per cent of the same. During the Seventh Five Year Plan, an amount of Rs. 21.00 lakhs is provided for the purpose and Rs. 3.00 lakhs for the year 1985-86 as State share.

8.22 IN 2.16 Setting up of New UNDP aided projects :—The State Government has submitted nine project proposals to the Government of India for seeking assistance under the Third India UNDP Country Programme 1985—90. A meeting was taken by DCSSI, New Delhi on 11th November, 1983, in which the officers of Punjab Government also participated. In this meeting the matter regarding fixing the priority of these proposals was discussed and three proposals (i) Exposure of Industry to Modern Technology/latest Designs of Industrially Development Countries and upgradation of Technology (ii) Development Centre for Rerolling Industry at Mandi Gobindgarh and (iii) Machine Tool Development Centre, Batala were recommended for inclusion in the third India U.N.D.P. country programme. For the implementation of U.N.D.P. approved project an outlay of Rs. 30.00 lakhs has been provided tentatively for Seventh Plan and a token provision of Rs. 0.01 lakh has been made for 1985-86.

8.23 IN 2.17 Conservation of Energy Improvement :—This scheme envisages all round improvement of productivity. The provisions for this programme for the Seventh Five Year Plan and Annual Plan, 1985-86 are Rs. 30.00 lakhs and Rs. 6.00 lakhs respectively. The programme includes (i) Diagnostic Study for Productivity Improvement, (ii) Energy Conservation Studies and (iii) Productivity/Quality Improvement Awards.

8.24 IN 2.18 Promotion of Industries based on utilisation of Agricultural Waste/Residue :—The agriculture waste/residue material in the State being in abundance, there is need for developing some industrial units for the conversion of such material into bales of high density and also to develop some mechanisation for the useful utilisation of the same. Research and development works in this area have undertaken by a number of organisations in foreign countries. The research results have revealed that the agricultural waste/residue material can be utilised as fuel for boilers, agriculture electrical dehydration and such other applications. The agricultural wastes can be used for generation of producer gas i.e. the product of gassified dry biomass as fuel for the diesel generators. Allocation for this scheme for the Seventh Five Year Plan is Rs. 10.00 lakhs and a token provision of Rs. 0.01 lakh is made for the year 1985-86.

8.25 IN 2.19 Entrepreneurial Training Programme with I.L.O. Assistance :—The entrepreneurial

development is a very important aspect of industrialisation. The Industries Department has so far provided infrastructural facilities and raw material to a few units. There has been lack of proper guidance and training to prospective entrepreneurs coming out of technical institutes and engineering colleges. For successful nurturing of the entrepreneurs, after imparting theoretical training they need a package of assistance, services and proper follow up. For these activities, it is proposed to set up a cell for organising entrepreneurial training programme. An amount of Rs. 20.00 lakhs is provided for the Seventh Five Year Plan and an outlay of Rs. 4.00 lakhs is provided for 1985-86. A case for I.L.O. in-puts amounting to 1,57,000 US Dollars is being moved by the State Government.

8.26 IN 2.20 Productivity Awards :—Punjab is dominated by Small Scale/tiny industries. Due to various constraints the level of productivity in the industry is very low. The ministry of Industries, Government of India desired that a scheme of awards on the pattern of National awards be started in the State to encourage the small scale and tiny units to improve their productivity. It is proposed to institute appropriate district level awards for the best small scale and tiny units. An amount of Rs. 10.00 lakhs is provided for the entire period of Seventh Five Year Plan. For Implementation of the scheme during 1985-86 an outlay of Rs. 2.00 lakhs is provided.

8.27 IN 2.21 Marketing Assistance Programme:
(i) *Export Awards* :—Majority of the exporters in Punjab are in the small scale sector and they do not get due recognition for their contribution in the field of exports from the Government of India. In order to boost their morals and recognise their services/achievements made in the field of exports, Punjab Government honours outstanding exporters by awarding them shields, trophies, medals and merit certificates. For this purpose Rs. 4.00 lakhs is provided in the Seventh Plan whereas Rs 0.50 lakh is provided for the implementation of this scheme for the year 1985-86.

(ii) *Participation in Industrial Fairs* : 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. Under this scheme financial assistance is given to the recognised export houses as prescribed in the incentive code. an outlay of Rs. 22.00 lakhs is provided for the Seventh Plan and Rs. 4.50 lakhs for 1985-86.

(iii) *Trade Centre* :—The trade centre set up at Ludhiana during 1980 needs further improvements and additional staff for the fuller utilisation of the infrastructure facilities created. An outlay of Rs. 5.00 lakhs has been provided in the Seventh Plan Rs. 0.50 lakh for the year 1985-86.

8.28 IN 2.22 Publicity : The objective of this scheme is to publicise the promotional schemes of the Department through the release of advertisements regarding infrastructure and incentives in important newspapers and magazines etc., installation of boards at strategic points within the State and outside the

State, publicity through the radio and other media. Publicity material in the form of leaflets is also printed under this scheme and made available to the prospective entrepreneurs. An outlay of Rs. 15.00 lakhs is provided during the Seventh Five Year Plan period. The allocation for 1985-86 is Rs. 3.00 lakhs.

8.29 IN 2.23 Punjab Small Industries and Export Corporation (PSIEC):—The area of operation of the Corporation covers the activities like supply of scarce raw materials, infrastructure facilities, emporias, marketing assistance, export and development of handicrafts. The authorised capital of the Corporation is Rs. 7.50 crores and the paid up capital as on 30th June, 1984 is Rs. 441.66 lakhs (including Rs. 15.00 lakhs contributed by the All India Handicrafts Board). The turnover of the Corporation (except Engineering Wing) for the financial year ending 30th June, 1983 and 30th June, 1984 was Rs. 3907.66 lakhs and Rs. 3422.73 lakhs respectively. An annual increase of about 20 per cent is expected in the succeeding years.

8.30 As against the share capital of Rs. 441.66 lakhs PSIEC, the loans from the State Government are outstanding to the extent of Rs. 573.00 lakhs as on 30th September, 1984. Further a sum of Rs. 167.00 lakhs is outstanding towards term loans from the banks. As a result of reconciliation of cost of land with Director of Industries, Punjab, another Rs. 200.00 lakhs will be payable by the Corporation to the Government on account of enhanced compensation of land. Thus the total outstanding loans amount to Rs. 940.00 lakhs. Therefore, the debt equity ratio of the Corporation works out to 2.13:1 as on 30th September, 1984. It may be mentioned that all the banks and financial institutions insist that debt equity ratio should not be more than 2:1. The Corporation's own resources are inadequate to discharge the functions assigned to it. It is, therefore, necessary to raise further the capital base of the corporation for obtaining more institutional finance from the banks.

8.31 The corporation has undertaken the development of industrial focal points under Self Financing Scheme and needs margin money for raising loans from the banks for development of land. Keeping in view all its requirements Rs. 50.00 lakhs have been provided for the Corporation as equity during the Seventh Five Year Plan period and Rs. 10.00 lakhs have been provided for the year 1985-86.

Handloom Industries :

8.32 There are about 24000 looms in the State employing about 37000 persons. For the development of this sector an outlay of Rs. 180.00 lakhs has been provided for the Seventh Plan and Rs. 23.00 lakhs for the year 1985-86. The outlay will be utilised for the rebate on sale of handloom cloth strengthening of the SASMIRA centre and share capital contribution to Handloom and Hosiery Corporations.

8.33 IN 3.1(i) Rebate on the sale of Handloom Cotton Cloth: Rebate on the sale of Handloom cloth is an incentive for popularising the State handloom products and clearance of accumulated stocks. It is

proposed to allow 20 per cent rebate on the sale of handloom cloth during the exhibition of festivals and organised sale of handloom cloth through the Punjab State Handloom and Textile Development Corporation. A matching contribution is also available from Development Commissioner, Handloom, New Delhi. A sum of Rs. 50.00 lakhs has been provided for the scheme during the Seventh Plan period and Rs. 8.00 lakhs for the year 1985-86.

8.34 IN 3.1 (ii) Strengthening of Silk and Art Silk Manufacturers Industrial Research Association (SASMIRA) Centre: The proposal to establish a Regional Centre of SASMIRA at Amritsar was included in the Fifth Five Year Plan. The building of the Regional Centre is complete but due to certain difficulties the centre could not start functioning as per its plan. It is proposed to run the centre during the Seventh Five Year Plan with assistance from the Government. An allocation of Rs. 10.00 lakhs has, therefore, been provided for the Seventh Five Year Plan and Rs. 2.00 lakhs is provided for the year 1985-86.

8.35 IN 3.2 Punjab State Handloom and Textile Development Corporation : This Corporation was incorporated in 1976 with an authorised capital of Rs. 1.00 crore (subsequently raised to Rs. 5.00 crores). It has a paid-up capital of Rs. 3.18 crores. The corporation was set-up for the development of handloom and textile industry in the State. Since its inception it has undertaken the setting-up of four Handloom Weaving Complexes under Export Production Project and has covered 186 weavers by providing them yarn, technical inputs and marketing assistance. This corporation has also undertaken training programme in weaving for the scheduled castes.

8.36 Through the various weaving complexes, Common Facility Centres and Training-cum-Production Centres, the Corporation produced cloth worth Rs. 31.46 lakhs during 1983-84 as compared to Rs. 16.20 lakhs during 1982-83. Its marketing division handled sales worth Rs. 110.00 lakhs during 1983-84 as against Rs. 75.00 lakhs during 1982-83. The sales include procurement made by the Corporation from the open market. An outlay of Rs. 100.00 lakhs has been provided for the Seventh Plan period to enable the Corporation to float joint sector ventures. A sum of Rs. 5.00 lakhs is provided for 1985-86.

8.37 IN 3.3 Punjab State Hosiery and Knitwear Development Corporation : This Corporation was incorporated in 1977 and has an authorised capital of Rs. 2.50 crores. The paid up capital as on 31st March, 1984 is Rs. 152.70 lakhs, besides a loan of Rs. 20.65 lakhs was also granted to the Corporation during the year 1983-84, there was a provision of Rs. 80.00 lakhs for the Corporation during 1984-85. A UNDP assisted development oriented project intended for export diversification of knitwear, with UNDP inputs of US dollar 51.78 lakhs was taken up for the implementation. No institutional finance was envisaged for initial construction. For use of industrial scale equipment received from UNDP, the Corporation has applied for IDBI loan of Rs. 180.00 lakhs. In addition, working capital loan of Rs. 217.44 lakhs

from banks. For the Seventh Five Year Plan an outlay of Rs. 20.00 lakhs is provided for this Corporation so as it could initiate joint sector ventures. For the year 1985-86 an outlay of Rs. 8.00 lakhs has been provided.

Khadi and Village Industries :

8.38 IN 4.1 The Punjab State Leather Development Corporation : This Corporation was set-up in February, 1981 by the State Government and started its commercial operation only from October, 1982. The paid-up share capital of the Corporation is Rs. 106.90 lakhs against the authorised capital of Rs. 200.00 lakhs.

8.39 So far the resources available with the Corporation have been very much limited and as such the activities of the Corporation have mostly remained confined to the running of the Punjab Tanneries Limited and Punjab Footwear Limited, besides developing a net work of sales outlets. The Corporation has now framed a detailed programme for setting-up a number of additional projects as per details given in Annexure-I to the chapter. For the Seventh Five Year Plan an outlay of Rs. 200.00 lakhs is provided and Rs. 30.00 lakhs has been earmarked for the year 1985-86.

Handicrafts :

8.40 IN 5.1 Development of Handicraft Industry : The Plan proposals for this programme includes training schemes for imparting training to the artisans, in trades like tilla juti, plastic inlay, punja durries cut glasses/ceramics and advance training in carpet weaving. During the training period stipend @ Rs. 100.00 per month per trainee will be paid where after the artisans will engage themselves in the work. For the implementation of this programme, an outlay of Rs. 25.00 lakhs has been provided for the Seventh Plan period and Rs. 5.00 lakhs for the year 1985-86.

Sericulture :

8.41 IN 6.1 Sericulture : Sericulture is practised in the sub-montane areas of the State on a modest scale as a subsidiary profession. Annually about 1,000 ounce of silk seed is reared as a result of which approximately 40,000 Kgs. of silk cocoons are produced. During the Seventh Plan period it is proposed to continue the grant of subsidy @ Rs. 2,000.00 per rearer for the construction of rearing huts, provide

technical knowhow to the rearers by arranging a 40 days training course on stipend basis of Rs. 100.00 per trainee, to undertake construction of rearing units in the existing sericulture farms for chowki rearing and to set-up a modern reeling unit. The construction of a grainage building is also to be taken up. An allocation of Rs. 49.00 lakhs is earmarked for the Seventh Plan and Rs. 10.22 lakhs provided for the year 1985-86.

8.42 IN 7.1 Strengthening of Statistical Cell : During the Fifth and Sixth Five Year Plans, there was skeleton staff provided under this scheme. The same is insufficient to meet the growing demands for an efficient and scientific base for industrial statistics. In conformity with the decision taken by the Central Statistical Organisation, Government of India there is a paramount need to strengthen the statistical cell for collection, compilation and dissemination of statistical information. In order to establish a sound base for updating the reliable industrial statistics an outlay of Rs. 5.00 lakhs has been provided for Seventh Plan period only.

B. MEDIUM AND LARGE INDUSTRIES :

8.43 Within Industry itself, the development cannot remain limited only to small and tiny industry. Small industry flourishes best when there is commensurate development of medium and large scale industry. The objective was followed during the Sixth Plan and programmes implemented have given a fill-up to the coming up of new units in medium/large sector. The target fixed could, however, not be achieved as against the target of 170 units only 111 new units could be brought under production in the Sixth Plan period. Unlike the position of Centre, the State Government's financial resources are too meagre to permit large scale direct investment in Industry. The Punjab State Industrial Development Corporation and the Punjab Financial Corporation are acting as the financial Institutions for the development of Industry. As far as setting-up of new projects are concerned the Punjab State Industrial Development Corporation is far ahead as compared to other Corporations. To date it has established 26 projects in public sector and 22 in joint sector. Against the target of 170 new units for sixth plan only 111 new units could be brought under production. The reasons for shortfall are (i) shortage of entrepreneurial talent, funds and institutional finance (ii) power shortage and (iii) disturbed conditions in the State. Main physical targets of this sector are given below in table No. 8.2 :—

TABLE NO 8.2

Sr. No.	Item	Plan Period						
		Base year 1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	
1	2	3	4	5	6	7	8	
1	Units (Nos.)	..	314	339	364	389	414	439
2	Employment (in thousands)	..	158	174	191	210	231	254
3	Fixed investment (crores Rs.)	..	757	833	916	1008	1109	1220
4	Production (crores Rs.)	..	1404	1544	1698	1868	2055	2261
5	Exports (crores Rs.)	..	110	121	133	146	161	177

Note.—Investment, Production and Exports are at constant process with 1979-80 as base.

8.44 This sector includes two major programmes share capital provision and incentives which also includes infrastructure development of land. The approved outlay for the Sixth Five Year Plan was Rs. 6087.00 lakhs. The actual expenditure incurred during the period is Rs. 5445.20 lakhs. For the Seventh Five Year Plan an outlay of Rs. 8831.00 lakhs has been approved which also includes the past liability on account of declared incentives. For the Annual Plan 1985-86 an allocation of Rs. 1390.00 lakhs has been approved. Scheme-wise details are given in the succeeding paragraphs.

Financial Corporations :

8.45 IN 8.1 Punjab Financial Corporation :— The Punjab Financial Corporation is primary a term lending institution in the State of Punjab and provides setting-up new industrial projects as also for the expansion, diversification renovation or modernisation of existing ones. The rate of interest varies from 9.25 percent per annum to 16 percent per annum depending on the size and location of the unit. As on 31st March, 1984 the authorised and paid up share capital of the Corporation stood at Rs. 10.00 crores and Rs. 6.97 crores respectively.

8.46 The Corporation lays special emphasis on the development of small scale industries, and to foster growth of industry in backward areas of the State. The benefit of the concessional rate of interest on loans is granted to industrial units after availing of refinance from the Industrial Development Bank of India. The Corporation also disburses Central Subsidy to units located in notified backward areas. The loans sanctioned and disbursed during the last 5 years is given below :

TABLE NO. 8.3

(Rs. in lakhs)

Year	Amount sanctioned	Amount disbursed
1979-80	989.53	887.19
1980-81	1314.54	844.70
1981-82	1517.39	940.81
1982-83	2800.26	1467.17
1983-84	2855.30	1557.40
1984-85	1054.74	1066.30

8.47 The Corporation also evolved schemes under 20-Point Programme like Composite Loan scheme for units wherein loan upto Rs 25,000 are granted to units set-up by Artisan, Village and Cottage Industries at a concessional rate of interest of 9.25 percent per annum. Schemes for scheduled castes entrepreneurs where loans from Rs. 25,000 to Rs. 15.00

lakhs are granted at concessional rate of interest varying from 9.25 per cent to 11 per cent. The scheme for physically handicapped entrepreneurs under which loan upto Rs. 2.00 lakhs is granted at a concessional rate of interest of 9.25 percent per annum. For the Seventh Five Year Plan, the Corporation envisages to double its performance what it has achieved in the Sixth Plan. So, it is proposed to further strengthen the share capital base during Seventh Plan by Rs. 900.00 lakhs. Since matching grant will be available from IDBI an outlay of Rs. 450.00 lakhs is provided for the Seventh Plan period and an outlay of Rs. 50.00 lakhs for the year 1985-86.

Development Corporations :

8.48 IN 9.1 Punjab State Industrial Development Corporation :—The Corporation at present functions both as institutional entrepreneur for the promotion of the medium and large scale industries as well as financial institutions in the State. The authorised share capital of this Corporation is Rs. 4000.00 lakhs and the subscribed capital Rs. 3682.50 lakhs, capital reserves and surpluses being Rs. 236.00 lakhs. Upto 1983-84 the Corporation has invested Rs. 4126.00 lakhs in different companies besides disbursing loans of the order of Rs. 4275.00 lakhs. Based on its present policy, the Corporation prefers to limit its investment in the joint sector projects to 10 per cent of the equity capital, though, wherever found necessary, it considers investment upto 26 per cent. In view of its primary role as a catalyst for promotion of Industries in the State, the Corporation disinvests its share holdings in favour of a co-promoter after a reasonable period of time.

8.49 The Corporation is functioning as a second state level financial institution for extending term loans under IDBI's refinance scheme since 1976, it can extend term loans upto Rs. 90.00 lakhs for projects involving capital outlay upto Rs. 300.00 lakhs promoted by companies with owned capital not exceeding Rs. 250.00 lakhs. The Corporation also offers the facility of direct subscription under writing upto 15 per cent of the equity capital for projects in private sector. Besides, the Corporation administers the Seed Capital Scheme of IDBI wherein eligible entrepreneurs can get up to Rs. 15.00 lakhs to fill up the gap, if any in their contribution to the project cost. Total loans sanctioned by the Corporation upto 30th June, 1984 under the IDBI's refinance scheme amounting to Rs. 2687.00 lakhs out of which loans amounting to Rs. 1423.00 lakh have since been disbursed. Under the Seed Capital scheme of the IDBI the Corporation has so far disbursed assistance of Rs. 30.43 lakhs.

8.50 The Corporation has so far (upto 30th June, 1985) obtained 141 letters of intents/registrations for setting up projects in the State in Public, Joint or Assisted Sectors. Total 48 projects promoted by the Corporation have since been commissioned.

8.51 Keeping in view the strategy/objective for the Seventh Plan, the Corporation proposes to implement its programme as per the proposals given in, Annexure-II. There are about 15 projects of the

Corporation which have already been taken up under implementation and which are committed to be completed in the first 2-3 years of the Seventh Five Year Plan. Keeping in view the requirements and taking into account the availability of funds from internal sources an outlay of Rs. 3000.00 lakhs is provided for the Seventh Plan and Rs. 500.00 lakhs for 1985-86.

Other Corporations:

8.52 IN 10.1 Punjab State Electronics Development and Production Corporation: This Corporation was incorporated on 27th March, 1976 for the promotion of electronics industry in the State of Punjab in public, joint, assisted and private sectors and for the creation of other infrastructure facilities necessary for the growth of electronics.

8.53 The authorised share capital of the Corporation is Rs. 500.00 lakhs and the paid up capital is Rs. 345.49 lakhs. The Corporation has till now made investment of Rs. 302.49 lakhs. in different companies registered for different projects. Besides, the Corporation has developed an Electronics Town called 'ELTOP' in industrial area, SAS Nagar over an area of 290 acres and at a projected cost of Rs. 218.00 lakhs. 44 sheds and 84 plots have been allotted to the perspective entrepreneurs. The Corporation has extensive plans for the development of electronics industry as per details given in Annexure-III. An outlay of Rs. 1000.00 lakhs has been provided for this Corporation for the Seventh Five Year Plan and Rs. 80.00 lakhs for 1985-86.

8.54 IN 10.2 Goindwal Industrial and Investment Corporation: This Corporation was set up with an authorised share capital of Rs. 500.00 lakhs, is charged with the responsibility of execution of Nucleus industrial Project Goindwal. The paid up capital is Rs. 318.00 lakhs. The master plan for the Goindwal Nucleus Industrial Complex was prepared by the Inter-Disciplinary Committee appointed by the State Government which incorporates modern trends in architecture and town planning. The plan evolved on a perspective of 50 years, visualises an industrial township spread over 6,000 acres of land with population of 3 lakhs. The first phase of the township was planned over about 3500 acres with a population of about 1.5 lakhs. An area measuring 475.75 acres was acquired in May, 1981 and the development work was started in August, 1981. Since then considerable progress has been achieved. Construction of road storm water drainage and street lighting have been completed. Power for Industrial load is available on demand immediately. As a consequence of the development taken in hand about 453 industrial plots of sizes varying from 500 square yards to 15 acres, depending on the requirement of the entrepreneurs, have been carved out. Apart from this, residential plots varying in sizes from 200 square yards to 500 square yards aimed to cater to the immediate requirement of entrepreneurs who propose to set up industry at Goindwal have also been developed.

8.55 The Corporation received a large number of applications for allotment of industrial plots. The applications have been processed and as a consequence

384 industrial plots have been allotted to perspective entrepreneurs while others will be allotted shortly. Residential plots are also in the process of allotment. The outlay for the Corporation for the Seventh Plan is provided at Rs. 100.00 lakhs and Rs. 15.00 lakhs for the year 1985-86.

Industrial Areas/Focal Growth Points:

8.56 IN 11.1 (i) Acquisition of land for focal growth points:—The main objective of this scheme is to provide all infrastructural facilities at one point by providing developed plots to the entrepreneurs. The State Government also provided land free of cost to a few Central Government projects. It has been observed that there had been enhancement in compensation of land acquired for focal points and for the Central Government projects. Accordingly, outlay has to be provided for meeting decretal claims of compensation to land owners. It has been decided as a matter of principle that in future, Industrial Focal Points shall be set up on self financing basis by the Punjab Small Industries and Export Corporation and the Department will acquire land only for Central/State Government projects. Accordingly, funds have been provided only to meet the liability which would arise due to the enhancement in the compensation of land acquired for existing Industrial Focal Growth Points and Central Government Projects. During the Seventh Five Year Plan, an outlay of Rs. 500.00 lakhs is provided and Rs. 50.00 lakhs for the year 1985-86.

8.57 (ii) Interest Free Loan : Punjab Government introduced a scheme for the grant of Interest Free Loan in lieu of an old scheme (Grant of refund of sales tax/purchase tax and interstate tax, 1969) with the objective to promote the growth of industries in the State. Under this scheme, two policies are presently being followed. The first policy was introduced in 1973 which is now called 'Old Policy'. The second policy was introduced in April, 1978 which is now known as 'New Policy'. Under the old policy, Interest Free Loan is granted on the basis of 4 to 5% of the sales subjects to a maximum of Rs. 5.00 lakhs per year. The loan is granted to the unit each year for a period of 5 years. Under the New Policy, this loan is granted each year for 5 to 10 years depending upon the location of the unit at 5 to 6 percent of their annual sale subject to maximum limit of Rs.7.00 lakhs. The entire loan paid during the period from 5 to 10 years is repayable in three annual equal instalments starting from 11th anniversary of the disbursement of first instalment of loan.

8.58 The new Industrial Code is being finalised which provides for grant of exemption from the payment of sales tax refund of sales tax and grant of interest free loan. Pending final decision, it has been decided to provide Rs. 2500.00 lakhs for the Seventh Plan and Rs. 500.00 lakhs for the year 1985-86.

8.59 (iii) Land Subsidy: Punjab being an agricultural developed State, land for industrial purpose is very expensive with the result that some of the industrial projects becomes unviable. In order to provide land to the entrepreneurs at a subsidised rate a subsidy

of 75 per cent on the cost of land in excess of the ceiling price is allowed to the industrial units. The requirement of fund for the Seventh Five Year Plan has been earmarked at Rs. 831.00 lakhs. For the year 1985-86, an outlay of Rs. 100.00 lakhs is provided for this purpose.

8.60 (iv) Subsidy to Punjab Alkalis Ltd: The subsidy to Punjab Alkalis a subsidiary of PSIDC is allowed as a special case. During the Seventh Five Year Plan, the requirement of funds for this unit has been assessed to be Rs. 250.00 lakhs and for the year 1985-86, Rs. 50.00 lakhs, these allocations have accordingly been earmarked.

8.61(v) Reimbursement of Octroi/Terminal Tax: A scheme for the reimbursement of octroi/terminal tax paid by the industrial units for a period of 5 to 10 years in a graded manner from the date of registration/going into production had been in operation. The exemption shall also be allowed on building materials plant and machinery, raw materials consumed in the premises of the units. Outlays of Rs. 200.00 lakhs for the Seventh Plan and Rs. 45.00 lakhs for the year 1985-86 have been provided.

Mines and Minerals :

8.62 IN 121. Development of Mines and Minerals:—The programme of remote sensing to mineral exploration, minerals research, in Punjab will be taken

up. Remote sensing and study of photogeology is very useful tool in exploring sub-surface geology and mineral occurrence interpreting engineering geological data and hydrological basins of the State. It is proposed to carry out the minerals survey for alkaline earth, saltpetre, constructional material, foundry sand and engineering geological survey on the basis of the latest technique of remote sensing. The scope of geophysical survey, drilling and installation of tubewells for industrial entrepreneurs is to be enhanced. The allocation for this programme during the Seventh Plan is provided at Rs. 30.00 lakhs and Rs. 4.00 lakhs is earmarked for the year 1985-86.

Weights and Measures:

8.63 IN 13.1 Implementation of Weights and Measures Act: The fundamental task of the Weights and Measures Organisation is to ensure the standard Weights, Measures and Measuring instruments in all trades transactions so as to protect the consumer's interest. Its workload had increased to a great extent in view of the substantial increase in the number of trades premises and by widening its sphere in the field of clinical thermometers, taxi-auto-rickshaws fare meter and water meter, etc. The organisation has, therefore, to be strengthened by providing equipment and completion of secondary standard laboratory building at Amritsar. An outlay of Rs. 10.00 lakhs is provided for the Seventh Plan and Rs. 2.00 lakhs for the year 1985-86.

ANNEXURE
SEVENTH FIVE-YEAR PLAN 1985—90 AND
PROJECTS TO BE UNDERTAKEN BY PUNJAB

Serial No.	Name of the project	Actual capacity	Status of project	Date of start	Expected date of completion
1	2	3	4	5	6
1	Wet Blue Tannery, Amritsar	.. 1500000 sq. ft.	Public Sector	3 months after allocation of funds	12 months from commencement
2	Wet Blue Tannery, Sangrur	.. Ditto	Ditto	Ditto	Ditto
3	Shoe Uppers Project	.. 200000 pairs	Joint Sector	Ditto	6 months from commencement
4	Polyurethane Sole Project	.. 144000	Ditto	Ditto	Ditto
5	Polythelene Shoe Lasts Project	.. 60000	Ditto	Ditto	Ditto
6	Rubber Sole Project	225000 Sheets	Public Sector	Ditto	12 months from commencement
7	Stiffner for toe and heel	.. 1000000 Nos.	Ditto	Ditto	Ditto
8	Adhesive for footwear and other leather goods	60000 litres	Ditto	Ditto	Ditto
9	Leather Board from leather shaving and card board	100000 sheets	Ditto	Ditto	Ditto
10	Scheme for systematic development of Mtg. infrastructure	—	Ditto	Ditto	—
11	Investment in leather centres to make them commercially viable	—	Ditto	—	—
	(a) In 4 tanning centres				
	(b) In 12 footwear centres				
	(c) In 12 hide flaying centres				
12	Investment in subsidiaries to revive the unit	—	Ditto	Ditto	—
13	Leather Complex—				
	Development of expenditure relating to setting of leather complex at Jalandhar	..	Ditto	—	—

ANNUAL PLAN 1985-86

STATE LEATHER DEVELOPMENT CORPORATION

(Rs. in lakhs)

Latest Cost Estimates				Equity capital contribution by Government					Equity to be provided by Govt.
Equity	Debt	Total cost	Govt. participation	1985-86	1986-87	1987-88	1988-89	1989-90	
7	8	9	10	11	12	13	14	15	16
15	21	36	100%	10	5	—	—	—	15
15	21	36	100%	10	5	—	—	—	15
15	21	36	51%	8	—	—	—	—	8
20	21	41	51%	10	—	—	—	—	10
12	20	32	51%	6	—	—	—	—	6
12	17	29	100%	—	12	—	—	—	12
12	18	30	100%	—	12	—	—	—	12
10	15	25	100%	—	10	—	—	—	10
10	15	25	100%	—	—	10	—	—	10
45	—	45	100%	10	10	10	10	5	45
40'									
18'	45	132	65%	25	20	20	15	7	87
29'									
60'	—	60	100%	15	15	15	10	5	60
				2	5	3	—	—	10
				96	94	58	35	17	300

PROJECTS UNDERTAKEN/TO BE UNDERTAKEN BY PUNJAB

Serial No.	Name of the Company/ Project	Annual Capacity	Status of the Project	Date of start	Expected date of completion	Latest cost estimates		
						Total cost	Equity	Debt
1	2	3	4	5	6	7	8	9
(A) Committed expenditure in respect of projects of the 6th Plan which will continue in the 7th Plan :								
(a) Electronic Industries :								
1	Electronic Systems Punjab Limited (Data Acquisition Systems Projects)	Turnover Rs. 8.00 crores	LI : Obtd. FC : Signed FIC. NACG. Obtd.	1983	1985	461.00	141.20	319.80
2	Colour Picture Tube Project	4.00 lakh nos.	LI : Obtd. FC. Finalised FIC. Finalised CG. Recd.	1984-85	1986	4500.00	1500.00	3000.00
(b) Electrical Industries :								
1	Telephone Cables (Pb.) Ltd.	1 million CKM	LI. Obtd. FC. Finalised FIC : NA CG Obtd.	1984	1986-87	2100.00	700.00	1400.00
2	Pb. Anand Lamps Ind. Limited	GLS. Lamps and F. Tubes 55 M and 10 M resp.	LI : Obtd. FIC : Signed CG. Obtd. FC : Signed	1984	1985-86	1780.00	600.00	1180.00
3	2-Wheelers lead Acid Batteries (Indo-Asian Batteries Pb. Ltd.)	4.5 lakh	LI : Obtd. FIC : Signed FC : Not yet CG : Not yet	1985	1987	170.00	60.00	110.00
(c) Chemical Industries :								
1	Pb. Polyfibres Ltd.	15,000 TPA	LI : Obtd. FC : Signed FIC : Selected CG : Applied	1984-85	1986	6000.00	1500.00	4500.00
2	Mehra Bio-Chem. Pb. Ltd.	Esters and Ethers 1350 TPA	LI : Obtd. FIC : Signed FC : CG. Not yet	1984	1985	141.00	54.00	87.00
(d) Pharmaceutical Industries :								
1	Scandomax (I) Limited	Sulphmephoxazole and Trimethotrim-30 & 10 TPA resp.	R : Obtd. FIC : Finalised FC : NA CG : NA	1984-85	1985-86	160.00	55.00	105.00
2	National Insecticides and Chem. Ltd. Monocrotophos (Tech.) and Phosphomidon (T)	200 TPA each	R : Obtd. FIC : Finalised FC : NA CG : NA	1985	1986	245.00	85.00	160.00
(e) Metallurgical and Engineering Industries :								
1	Insulec Pb. Ltd.	C. Foils 600 TPAC. clad Laminates 1,100 TPA	LI : Obtd. FC : Signed FIC : Signed CG : Not yet	1984	1986	600.00	200.00	400.00
2	XLO Berrale Pb. Limited	1500 TPA (brake linings and clutches facings)	LI : Obtd. FC : Signed FIC : Finalised CG : Not yet	1984	1985-86	350.00	100.00	250.00

II
INCLUDING ANNUAL PLAN 1985-86
STATE INDUSTRIAL DEVELOPMENT CORPORATION

(Rs. in lakhs)

Name of the collaborator	If in Joint Sector	Yearwise equity capital contribution by PSIDC							Employment details Nos.		
		Extent of participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1984-85 (Projected including actuals upto 30-6-84)	1985-86	1986-87	1987-88	1988-89	1989-90	During construction	During operations
10	11	12	13	14	15	16	17	18	19	20	
Public Sector		75%	105.00	50.00	55.00	—	—	—	—	100	1200
Agro International		11%	165.00	50.00	115.00	—	—	—	—	100	1200
Public Sector		51%	349.45	50.00	150.00	149.35	—	—	—	100	500
Pb. Anand Batteries Ltd.		26%	156.00	90.00	66.00	—	—	—	—	100	800
Indo Asian Switchgears, (P) Ltd., Jalandhar		50%	22.50	1.00	2.50	19.00	—	—	—	50	150
JCT, Phagwara		11%	165.00	10.00	40.00	115.00	—	—	—	100	600
Mehra Fero Alloys, Asr.		50%	19.50	10.00	9.50	—	—	—	—	20	100
Dr. B.S. Grewal, Chd.		44%	17.50	5.00	10.00	2.50	—	—	—	40	100
Adaish Partap Singh Kairon		15%	10.50	5.00	5.50	—	—	—	—	25	120
Tech. Invest (I) Ltd.		26%	47.00	2.00	5.00	40.00	—	—	—	100	1000
XLO India Limited		26%	26.00	15.00	11.00	—	—	—	—	20	250

SEVENTH FIVE YEAR PLAN 1985-90
PROJECTS UNDERTAKEN/TO BE UNDERTAKEN BY

Serial No.	Name of the Company/ Project	Annual Capacity	Status of the project	Date of start	Expected date of completion	Latest cost estimates		
						Total cost	Equity	Debt.
1	2	3	4	5	6	7	8	9
3	Maharaja Engg. Invest. (P) Ltd.	LPG Valves-3.50 lakhs LPG Reg. 3.5 lakhs, HPG valves 2.0 lakhs, HPG Regulators-0.5 lakhs	LI : Obtd. FIC : Signed FC : Selected CG : Not yet	1984	1985	155.00	57.00	98.00
(f) Automobile Industries :								
1	Swaraj Vehicles Ltd.	10,000 nos.	LI : Obtd. FC : Finalised CG : Applied FIC : Finalised	1984	1985-86	6000.00	2000.00	4000.00
2	Guru Nanak Transmissions Ltd.	5.00 lakhs nos. (Axle Shafts)	LI : Obtd. FIC : Finalised FC : NA CG : Not yet	1984	1985	200.00	75.00	125.00
(g) Agro Based Industries :								
1	Pb. Agro Furane Ltd.	Furfural-6000 TPA, Edible Oiti-3000 TPA	LI : Obtd. FIC : signed FC. Signed CG. Obtd.	1984-85	1986	3965.00	1215.00	2750.00

II (contd.)

INCLUDING ANNUAL PLAN 1985-86

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION

(Rs. in lakhs)

If in Joint Sector		Yearwise equity capital contribution by PSIDC							Employment details Nos.	
Name of the collaborator	Extent of participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1984-85 (Projected including actuals upto 30-6-84)	1985-86	1986-87	1987-88	1988-89	1989-90	During construction	During operations
10	11	12	13	14	15	16	17	18	19	20
T.S. Toor Maharaja Super Stores U.K.	50%	21.00	10.00	11.00	—	—	—	—	50	150
Punjab Tractors Ltd.	—	10.00	10.00	—	—	—	—	—	200	8000
GNA Enterprises Ltd., Goraya	50%	30.00	1.00	4.00	25.00	—	—	—	50	300
Ballestra SA, Switzerland	26%	312.00	250.00	62.00	—	—	—	—	100	600
Total of 'A'				546.50	350.85	—	—	—	—	—

SEVENTH FIVE-YEAR PLAN 1985-90 INCLUD-
PROJECTS UNDERTAKEN/TO BE UNDERTAKEN

Serial No.	Name of the Company/ Project	Annual Capacity	Status of the Project	Date of Start	Expected Date of Completion	Latest Cost Estimates		
						Total Cost	Equity	Debt
1	2	3	4	5	6	7	8	9
(B) EXPENDITURE IN RESPECT OF PROJECTS TO BE TAKEN UNDER ACTIVE IMPLEMENTATION IN								
(a) Electronic Industries :								
1	T.V. Tube Glass Shells	1.00 million Nos.	LI : Obtd. ; FIC : Not yet FC : Not yet	1985-86	1989-90	7500.00	2000.00	5500.00
(b) Chemical Industries :								
1	Nylon 6 Filament Yarn	6000 TPA	LI : Obtd. ; FIC : To be finalised FC : Not yet	1985	1989-90	6800.00	1650.00	5150.00
2	Sulphuric Acid & Super Phosphate	200 TPD	LI : Obtd. FIC : Being finalised FC : NA	1985	1987-88	600.00	200.00	400.00
3	Stable Bleaching Powder	5000 tonnes	R : Obtd. FIC : Selected FC : NA	1984	1985	150.00	60.00	90.00
4	Sodium Nitrate/Nitrate	2000 TPA each	R : Obtd. FIC : Not yet FC : NA	1985	1987	236.00	94.00	142.00
5	Isoproton (Tech.)	500 TPA	R : Obtd. FIC : Finalised FC : NA	1985	1985-86	300.00	110.00	190.00
6	Hydrazine Hydrate	300 TPA	R : Obtd. FIC : Finalised FC : Not Yet	1985	1985-86	200.00	73.00	127.00
7	Figured Glass Project	3 M. Sq. Mtr.	LI : Recd. FIC : Not yet FC : NA	1985	1987-88	500.00	182.00	318.00
8	Vitamin C	500 TPA	LI : Obtd. FIC : Finalised	1985-86	1987-88	800.00	265.00	535.00
9	Salicylic Acid & Aspirin	500 TPA	LI : (MOU) : Signed FIC : Finalised FC : NA	1985	1986-87	310.00	124.00	186.00
(c) Electrical Industries :								
1	Spark Plug & Glow Plugs	(a) 4 million (b) 25 million	LI : Obtd. FIC : Finalised FC : Finalised	1985	1988-89	600.00	200.00	400.00
2	Tungsten Wires & Filaments & Molybdenum Wires	100 M. Units & 5 tonnes resp.	LI : Obtd. FIC : Finalised FC : Not yet	1985	1988-89	450.00	164.00	286.00
3	Hydro Turbines & Generators	20 sets upto 10 MW caps.	LI : Obtd. FIC : Finalised FC : Finalised	1985	1988-89	1000.00	315.00	685.00

II (Contd.)

ING ANNUAL PLAN 1985—86

BY PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION

(Rs. in lakhs)

Name of the Collaborator	If in Joint Sector			Year-wise equity capital contribution by PSIDC					Employment Details Nos.	
	Extent of Participation by PSIDC	Equity Capital to be provided by PSIDC	Upto 1984-85 projected and actuals upto 30-6-84	1985-86	1986-87	1987-88	1988-89	1989-90	During construction	During operation
10	11	12	13	14	15	16	17	18	19	20
THE SEVENTH PLAN :										
To be finalised	26%	520.00	—	5.00	25.00	100.00	250.00	240.00	100	500
Under finalisation	26%	429.00	1.00	5.00	50.00	100.00	175.00	99.00	100	500
Being finalised	26%	52.00	—	5.00	15.00	32.00	—	—	50	250
Mr. Hari Ram Aggarwal, Tarn Taran	10%	4.50	2.50	2.00	—	—	—	—	35	70
Under finalisation	50%	40.00	2.00	25.00	13.00	—	—	—	20	70
Pb. Agro-Weedicides Ltd., Chandigarh	10%	9.50	3.00	6.50	—	—	—	—	20	140
Harcharan Singh, Delhi	50%	29.00	1.00	15.00	13.00	—	—	—	20	100
To be finalised	26%	44.00	1.00	10.00	20.00	13.00	—	—	30	200
Bhagat Ind. Corpn., N. Delhi	26%	65.00	2.00	15.00	20.00	28.00	—	—	50	200
Chemtech Engg. (P) Ltd., Madras	50%	55.00	2.00	25.00	28.00	—	—	—	25	100
Duncans Agro Industries Ltd., Calcutta (MOU)	26%	52.00	2.00	2.00	8.00	15.00	25.00	—	100	500
Pb. Anand Batteries Ltd.	26%	39.00	—	2.00	10.00	20.00	7.00	—	25	150
Crompton Greaves	26%	78.00	—	2.00	15.00	15.00	46.00	—	100	300

ANNEXURE
SEVENTH FIVE-YEAR PLAN 1985—90 INCLUDING
PROJECTS UNDERTAKEN/TO BE UNDERTAKEN BY

Sr. No.	Name of the Company/ Project	Annual Capacity	Status of the Project	Date of Start	Expected date of completion	Latest cost Estimates			
						Total cost	Equity	Debt	
1	2	3	4	5	6	7	8	9	
(d) Metallurgical and Engineering Industries :									
1	BP-CP Galvanised Sheets	50,000 TPA	LI : Obtd. FIC : Under finalisation FC : Under finalisation	1985	1987-88	1200.00	400.00	800.00	
2	Industrial Sewing Machines	5,000 Nos. p.a.	LI : Obtd. FIC : Finalised FC : Finalised	1985	1986-87	150.00	55.00	95.00	
3	Typewriters	25000 units	LI : Obtd. FIC : Finalised FC : Finalised	1985	1987-88	450.00	150.00	300.00	
(e) Automobiles Industries :									
1	Diesel Engines	30000 Nos.	LI : Obtd. FIC : Finalised FC : Not yet	1985	1989-90	1800.00	600.00	1200.00	
2	Hydraulic Brakes	1 lakh Nos.	R : Obtd. FIC : Finalised FC : Not yet	1985	1986-87	293.00	100.00	193.00	
3	Wheel Rims	6 lakhs Nos.	LI : Obtd. FIC : Finalised FC : Not yet	1985	1988-89	1500.00	500.00	1000.00	
(f) Agro-based Industries :									
1	Paper Project at Hoshiarpur	33000 TPA	LI : Obtd. FIC : Finalised FC : NA	1986	1989-90	7500.00	1875.00	5625.00	
2	Paper Project at Sangrur	.. ..	LI : Obtd. FIC : Not yet FC : NA	1986	1989-90	7500.00	1875.00	5625.00
Total of (B)								..	

II (Contd.)

ANNUAL PLAN 1985-86

PUNJAB STATE INDUSTRIAL DEVELOPMENT CORPORATION

(Rs. in lakhs)

Name of the collaborator	If in Joint Sector		Year-wise equity capital contribution by PSIDC					Employment Details Nos,		
	Extent of Participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1984-85 projected and actuals upto 30-6-84	1985-86	1986-87	1987-88	1988-89	1989-90	During construction	During operation
10	11	12	13	14	15	16	17	18	19	20
Being finalised	10%	40.00	—	10.00	30.00	—	—	—	50	250
Indl. M/cs Delhi(P)Ltd., New Delhi	10%	4.00	—	2.00	2.00	—	—	—	50	150
Modi Rubbers Ltd.	26%	39.00	—	1.00	10.00	28.00	—	—	100	500
Kirloskar Oil Engines Ltd ; Poona and PTL	26%	156.00	6.00	10.00	40.00	50.00	50.00	—	150	1400
XLO India Ltd.	26%	26.00	2.00	15.00	9.00	—	—	—	20	200
Sh. R.K. Garg	26%	130.00	—	5.00	20.00	50.00	55.00	—	40	300
Duncans Agro Industries Corpn. Ltd.	26%	488.00	—	20.00	50.00	100.00	150.00	168.00	100	500
Not finalised	26%	488.00	—	20.00	50.00	190.00	150.00	168.00	100	500
				192.50	428.00	641.00	924.00	675.00		

ANNEXURE
FIVE-YEAR PLAN 1985-90
PUNJAB STATE ELECTRONIC DEVELOPMENT AND

Serial No.	Name of the Project	Annual Capacity	Status of the Project	Date of start	Expected date of completion
1	2	3	4	5	6
1	Punjab Communications Ltd. (P.C.L.)	7500 Nos.	Under commercial production	21-7-81	1-12-81
2	Punjab Power Packs Ltd. (PPL) 100% Export Units	1.2 MAH	Proto type trial runs are going on	25-9-81	June, 1984
3	Magnetic Information Technology India Limited (MITL)	2.00 M Nos.	Under commercial production	10-8-82	Nov., 1983
4	INCOMNET India Limited	7200 Modules	Factory bldg. is near completion	8-9-83	July, 1984
5	Manufacturing Technologies India Limited (MITL)	360000 Sq. ft.	Bldg. has completed T.L. sanctioned by Financial Institutions, part of capital goods has been obtained and LC has been opened for the remaining	25-2-83	June, 1984
6	Power Technologies India Ltd. (PTL)	150000 Nos.	All Govt's approvals have been received; expected to go into production in Feb./ March, 1985	3-11-83	Feb./March, 1985
7	MITGART INDIA Limited	40,00,000 Nos.	Bldg. is near completion. Equipment has been ordered by the Collaborator in U.S.A. All Govt. approvals have been received	31-1-84	Feb/March, 1985
8	International Micro Electronics Systems India	3,25,00,000 Nos.	LI has been received		Under implementation
OTHER NEW COMPANIES					
9	Intermagnetics India Ltd.	500 MRM	Project is expected to go into production during March, 1985	29-4-83	March, 1985
10	Zimag India Limited	75000-B/W. Sets 25000-CTV Sets	Agreement has been signed with M/s AGRA International Inc. & New Co. has been incorporated	17-4-84	..
11	Lithium Batteries Project	..	Corpn. has signed an agreement with Ballard Technologies Corpn., Canada	..	..
12	Consumer Electronics Punjab Limited—VCRS, VCPS, Projection TV	..	..	..	..
NEW PROPOSED PROJECTS					
13	Floppy Disc Drives/Computers	..	..	..	..
14	DC Brushless PCB	..	..	..	..
15	Stepper Motors	..	..	..	..
16	Digital Electronics PBX/PABX	..	..	..	..
17	Electronics Teleprinter/Telex Printers/Daisy wheel & dot matrix Printers	..	..	..	..
18	Electronic Office Equipment/Telex Facsimile & Tele-conferencing etc.	—	—	—	—

III
INCLUDING ANNUAL PLAN, 1985-86
PRODUCTION CORPORATION

(Rs. in lakhs)

Latest Cost Estimate			Equity capital contribution by Govt.					Total 5-year Plan	Employ- ment detail during operation (No.)	Expected annual turnover	PSE DPC's share	
Total cost	Equity	Debt	Upto									
			1984-85	1985-86	1986-87	1987-88	1988-89	1989-90				
7	8	9	10	11	12	13	14	15	16	17	18	19
141.00	74.00	67.00	—	56*	28*	—	—	—	84.00	154	4.00 crores	—
155.04	68.00	76.00	7	—	30*	31*	—	—	61.00	184	3.42 crores	—
183.00	82.00	97.00	—	—	—	—	—	—	—	1200	17.00 crores	30%
141.00	51.00	90.00	6	—	—	—	—	—	—	324	4.20 crores	33%
188.00	78.00	110.00	10	—	—	—	—	—	—	250	2.20 crores	26%
111.00	45.90	65.10	—	6.88	—	—	—	—	6.88	205	8.00 crores	26%
302.00	120.00	182.00	—	24	—	—	—	—	24.00	200	3.00 crores	20%
4500.00	1800.00	—	—	50	130	—	—	—	180.00	1052	78 crores	10%
2155.00	780.00	1450.00	88	—	—	—	—	—	—	280	22.00 crores	26%
380.00	160.00	220.00	—	41.60	—	—	—	—	41.60	800	20.00 crores	26%
600.00	250.00	350.00	—	16.50	11	—	—	—	27.50	270	3.75 crores	11%
258.00	120.00	138.00	—	6.00	20	5	—	—	31.00	315	21.50 crores	26%
600.00	240.00	360.00	—	10.00	14	—	—	—	24.00	210	—	10%
400.00	160.00	240.00	—	4.00	12	—	—	—	16.00	200	—	10%
200.00	80.00	120.00	—	2.00	6	—	—	—	8.00	200	—	10%
400.00	160.00	240.00	—	—	16	—	—	—	16.00	300	—	10%
1000.00	400.00	600.00	—	—	10	50	—	—	60.00	500	—	15%
1500.00	600.00	900.00	—	—	17	50	23	—	90.00	700	—	15%

ANNEXURE
SEVENTH FIVE-YEAR PLAN
PUNJAB STATE ELECTRONICS/DEVELOPMENT AND

Serial No.	Name of the Project	Annual capacity	Status of the Project	Date of start	Expected date of completion
1	2	3	4	5	6
19	Mobile Radio Telephone System	—	—	—	—
20	Satellite Earth Station and Related Equipment including Computers	—	—	—	—
21	Data Communication Equipment	—	—	—	—
22	Video tax System and Modems and Central Data Banks/X-Ray & Bio-Medical equipments	—	—	—	—
23	Fibre Optics Communication Cables and Systems	—	—	—	—
24	Polyester Films for Magnetic Tapes	—	—	—	—

***FOR NEW PROJECTS**

PCL : 1. Group Translator. 2. 30 Channel PCM.

PPPL : 1. Ni-Cd Pocket Plate Cells. 2. Sealed Cylindrical Ni-Cd. Cells.

III (Contd.)

INCLUDING ANNUAL PLAN, 1985-86

PRODUCTION CORPORATION

(Rs. in lakhs)

Latest Cost Estimates			Equity capital contribution by Govt						Total Five-Year Plan	Employ- ment during operation (No.)	Expected annual turnover	PSEDPC's share
Total cost	Equity	Debt	<i>up to</i>									
			1984-85	1985-86	1986-87	1987-88	1988-89	1989-90				
7	8	9	10	11	12	13	14	15	16	17	18	19
600.00	240.00	360.00	—	—	—	20	4	—	24.00	500	—	10%
2000.00	800.00	1200.00	—	—	6	34	40	—	80.00	1200	—	10%
600.00	240.00	360.00	—	—	—	10	26	—	36.00	400	—	15%
1500.00	600.00	900.00	—	—	—	50	50	53	153.00	600	—	26%
4500.00	1800.00	2700.00	—	—	—	50	150	259	459.00	900	—	26%
13900.00	5560.00	2340.00	—	—	—	100	200	312	612.00	1250	—	11%
			100	216.98	300	400	493	624	2033.98	12194		

3. Multi-channel Radio. 4. Selection Level Meter.

3. Silver Zinc Aircraft Batteries.

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 small provision for Civil Aviation largely for construction of airfields and training purposes. Development of tourism has also been included in this sector. An outlay of Rs. 184.20 crores has been approved for transport sector for 1985-90 against the outlay of Rs. 113.25 crores during Sixth Plan (1980-85). The break-up of sectorwise expenditure during 1980-85 and proposed outlay for 1985-90 is given in the table below :—

Transport Sector Outlay

(Rs. in lakhs)				
Sr. No.	Sub-Sector	Expenditure 1980-84	Anticipated Ex- penditure 1984-85	Outlay 1985-90
1	2	3	4	5
1	Roads and Bridges	4860.31	1280.00	9800.00
2	Road Transport	3957.59	1200.00	8300.00
3	Civil Aviation	69.47	14.00	120.00
4	Tourism	131.00	25.00	200.00
Total		9018.37	2519.00	18420.00

Plan Programmes in respect of each of these sub-heads are given below:

Roads and Bridges

9.2 The role of road transport in moving certain types of commodities and its role in carrying the traffic far into the interior of the State are some of its important functions, which cannot be performed by any other modes of transport like railways. Thus there is a need for developing additional capacity of the road system for meeting the needs.

9.3 The quantum of traffic on the 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 the main routes of the road system in the State. In a predominantly agricultural State, with large surpluses of farm produce, village roads are an essential component of the rural infrastructure. During the Fourth Five-Year Plan, an expenditure of Rs. 49.48 crores was incurred on roads. The total road length including National Highways in the State increased from 7,278 kms. to 23,222 Kms. during the period from 1969-70 to 1973-74. During 1974-79, a sum of Rs. 54.64 crores was incurred on this programme and during this period total road length in the State increased from 23,222 kms. to 30,863 kms. In the Annual Plan

1979-80, an expenditure of Rs. 15.31 crores was incurred on this programme and during the period 515 kms. of link roads were constructed. The number of villages not connected by roads which stood at 652 at the end of 1978-79 was reduced to 364 as on 31st March, 1980 by connecting 288 villages during 1979-80. During 1980-84, the expenditure incurred on this programme was Rs. 48.60 crores. The anticipated expenditure during the Sixth Five-Year Plan period will be Rs. 61.40 crores against the approved outlay of Rs. 70.00 crores. Main achievements of road kilometrage of different kinds of roads at the end of Fourth and Fifth Plans and at the end of 1984-85 are given as under:—

(Kms)

Sr. No.	Item	Position as on			
		1973-74	1978-79	1979-80	1984-85
1	2	3	4	5	6
1	National Highways	964	964	964	964
2	State Highways	1862	1900	1900	1900
3	Major District Roads	2076	2100	2100	2100
4	Other District Roads	2335	2379	2388	2431
5	Village Roads	15985	23520	24524	26052
Total		23222	30863	31876	33447

Seventh Five-Year Plan

9.4 An outlay of Rs. 98.00 crores has been approved for this programme during 1985-90. The programme includes improvement/strengthening and widening of existing roads in order to cater to the needs of increased heavy vehicular traffic. The approved outlay of Rs. 98.00 crores includes Rs. 37.60 crores for completion of spillover works. In this sector, the most important programme is to remove the deficiencies in the State Highways system and upgrading some selected stretches of roads after taking into account the projected traffic. The above provision is proposed to be supplemented with funds from Marketing Board for construction and improvement of rural roads. Missing links in this sector will also be provided with the help of funds made available by the Marketing Board. Areas not covered by the marketing Board will be looked after by the State and funds for this purpose have been provided to fill in these gaps. The emphasis will also be laid on making the roads fair weather by constructing bridges and culverts. In order to decrease the pressure on roads within Municipal Committee Limits, bye passes will be constructed. An outlay of Rs. 12.80 crores has been provided for 1985-86 for carrying out the programmes under this sub-head. Keeping in view this strategy,

outlays approved for the major programmes are given below :

(Rs. in crores)

Sr. No.	Name of the Scheme	Outlay	
		1985-90	1985-86
1	2	3	4
1	Widening/strengthening of existing roads ..	60.00	5.00
2	Bridges ..	15.00	5.25
3	Roads within M.C. Limits ..	9.00	0.50
4	Bye-passes ..	5.00	0.40
5	Main roads & missing links ..	2.00	0.30
Total ..		91.00	11.45

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

Main Roads and Missing Links

9.5 At the end of Sixth Plan 1980—85 spillover requirements of six construction works initiated during 6th Plan will be Rs. 103.61 lakhs, which has been fully provided in Seventh Five-Year Plan. In addition to this, an outlay of Rs. 96.39 lakhs has been provided for new works. A sum of Rs. 30.00 lakhs has been approved for carrying out only the spillover works during 1985-86.

Improvement, Widening and providing additional crust on existing roads

9.6. Keeping in view the sharp increase in the traffic on the road system both for passenger and freight, high priority has been accorded to the improvement of existing roads. Under this scheme road side amenities viz., parking places for vehicles along important roads at suitable places and covered space for drivers for rest will also be provided. The spillover requirement for completing 82 works under this programme at the end of Sixth Five-Year Plan will be Rs. 1034.34 lakhs. An outlay of Rs. 6000.00 lakhs during 1985—90 has been provided for completing these works and for undertaking new construction works. With this provision, 2030 kms. of road length will be improved. During 1985-86, an outlay of Rs. 500.00 lakhs has been approved for spillover works only.

Village Roads

9.7. All villages (12,188) in the State except 155 villages were provided first links by the end of 1984-85. Now the main thrust of the programme is to provide interlinks which will be done through the funds made available by the Marketing Board. The missing gaps, if any, in the implementation of programme will be filled through State funds. It is in this context that an outlay of only Rs. 55.00 lakhs has been approved for 1985-86 in Seventh Five-Year Plan. Out of this Rs. 30 lakhs have been provided for linking of 6 villages situated in upper Water Shed-Dholbaha-Choe bridge and Rs. 25 lakhs for meeting the spillover requirements of village roads (including linking of one additional village) not being

financed by Marketing Board. The position regarding remaining 148 villages is given in the following table :—

Sr. No.	Details	No. of villages	District-wise break-up
1	2	3	4
1	Bechirag villages	68	Amritsar (2), Gurdaspur (21), Jalandhar (3), Kapurthala (39), Hoshiarpur (3)
2	Villages acquired for defence purposes and not to be linked due to military objections	11	Gurdaspur (5), Ferozepur (5), Kapurthala (1)
3	Villages that can not be linked due to non-availability of land	20	Gurdaspur (2), Jalandhar (5) Hoshiarpur (10), Patiala (1), Ropar (2)
4	Villages beyond major drains	4	Jalandhar (3), Patiala (1)
5	Villages with lesser population	1	Kapurthala (1)
6	Flood affected villages in river bed	38	Ferozepur (38)
7	Others	6	Hoshiarpur (4), Ropar (2)
Total		148	

Bridges

9.8. Construction of bridges and culverts is a necessary requirement in order to make fair weather roads. The spillover requirement under this scheme at the end of Sixth Five-Year Plan is Rs. 949.30 lakhs for completion of 26 bridges. An outlay of Rs. 1500.00 lakhs has been approved for completing 50 spillover works and for under taking new construction during Seventh Five-Year Plan. A sum of Rs. 525.00 lakhs has been provided during 1985-86 for spillover works only and about 13 bridges will be completed.

Central Road Funds

9.9. This scheme is fed from the proceeds of levy on motor spirit. Allocations are made to the State Government for programme approved by the Ministry of Transport, Government of India. An outlay of Rs. 400.00 lakhs for Seventh Five-Year Plan and Rs. 40.00 lakhs for 1985-86 has been approved for carrying out the approved works.

Improvement of Roads within Municipal Committees Limits

9.10 The stretches of main roads passing through the Municipal limits need widening and improvement. Under this scheme such stretches are being widened, improved in almost all the Districts of Punjab. At the end of Sixth Five-Year Plan work on 33 roads under this scheme remained in progress and spillover requirement for completing these works is Rs. 425.77 lakhs. This amount has been fully provided in Seventh Five-Year Plan and additional amount of Rs. 474.23 lakhs has been provided for under-taking new construction during this period. In the Annual plan 1985-86, a sum of Rs. 50.00 lakh has been provided for spill-over works only.

Machinery and Equipment:

9.11. In order to cope with the enlarged road building activities and consequent maintenance programme, a sum of Rs. 200.00 lakhs has been provided in the Seventh Five-Year Plan and Rs. 35.00 lakhs during 1985-86 for the purchase of machinery.

Bye-passes :

9.12. The tremendous growth of internal traffic in a number of towns has created traffic problems. Bye-passes are being provided to lessen the traffic load within the city. The works on six bye-passes are already in progress and their spillover requirements to be carried over to Seventh Plan will be Rs. 268.77 lakhs. During Seventh Five-Year Plan an outlay of Rs. 500.00 lakhs has been provided for completing the spillover works and for undertaking new construction. During this period, road length of 50 Kms. relating to bye-passes will be constructed. A sum of Rs. 40.00 lakhs has been approved in the Annual Plan 1985-86 for spillover works only.

Research and Development, Field training, Labs., and purchase of equipment :

9.13. Under this scheme, a laboratory is proposed to be set up at Patiala to evolve new and economical techniques of construction. It will also 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 approved for this purpose. A sum of Rs. 5.00 lakhs has been provided for the purchase of equipment and technical books for the library during 1985-86.

Road Transport :

9.14. 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 sector undertakings, viz. Punjab Roadways and PEPSSU Road Transport Corporation. Both the undertakings are at present running in losses. The main factor responsible for this situation is attributed to the increased cost of input in the road transport industry without corresponding increase in bus fares. Efforts, however, have been made to reduce losses by improving operational efficiency through appropriate administrative measures and improvement in utilisation indices with better workshop facilities, route rationalisation and improved scheduling etc. Their urgent requirements include construction of additional depots and replacement of old buses.

The outlays approved for Seventh Plan and Annual Plan 1985-86 for two undertakings are given below:—

Scheme	(Rs. in lakhs)	
	1985—90	1985-86
1. Punjab Roadways ..	5550.00	650.00
2. P.R.T.C. ..	2750.00	550.00
Total ..	8300.00	1200.00

The Punjab Roadways, being a departmental undertakings, has no access to institutional finance. The provision for this purpose is made in the State Plan. The P.R.T.C., besides the plan provision, receives contribution from the Railways and is expected to raise funds from the financial institutions also.

Punjab Roadways:

9.15. During 1974—79, an expenditure of Rs. 2037.04 lakhs was incurred by the Punjab Roadways and 575 buses were added to the fleet. Besides, 846 buses were purchased for replacement of old buses. In the Annual Plan 1979-80, expenditure incurred was Rs. 551.67 lakhs. The Punjab Roadways added 90 buses to its fleet besides replacement of 200 buses. A sum of Rs. 2722.59 was incurred during 1980—84 and the Punjab Roadways added 215 buses to its fleet and replaced 962 buses. The revised outlay for 1984-85 for this undertaking is Rs. 600.00 lakhs. The anticipated expenditure during 1980—85 will be Rs. 3322.59 lakhs. The Punjab Roadways would close Sixth Plan with a backlog in acquisition of fleet and replacement of old buses, even though an excess expenditure above the plan outlay was incurred. Due to escalation in the cost of buses, targets for replacement of 1,132 buses and addition of 511 buses for the 6th Plan could not be achieved and there is a backlog of 170 buses for replacement.

9.16. A provision of Rs. 5550.00 lakhs and Rs. 650.00 lakhs has been approved for 1985—90 and 1985-86 respectively for this undertaking. The proposed outlays for the implementation of its development programme are given below:—

Sr. No.	Item	(Rs. in lakhs)	
		1985—90	1985-86
1	Land and Building ..	500.00	100.00
2	Acquisition of fleet—		
	(i) Expansion ..	..	..
	(ii) Replacement ..	4965.00	530.00
3	Workshop facilities ..	75.00	18.00
4	Other expenditure ..	10.00	2.00
	Total ..	5550.00	650.00

As a result of this development programme, the Punjab Roadways will purchase 1,774 buses for replacement. In Annual Plan, 1985-86, it will only replace 190 buses with no expansion programme. During 1985-90, 2 sub-depots at Gurdaspur and Fazilka will be upgraded as fullfledged depots at a cost of Rs. 55.00 lakhs. One central workshop and one central store will be set up in the State at an estimated cost of Rs. 140.00 lakhs. An amount of Rs. 305.00 lakhs has also been approved for the improvement of existing workshops and Bus stands.

9.17. During Annual Plan 1985-86, a sum of Rs. 80.00 lakhs has been provided for the improvement of bus stands/workshops and Rs. 20.00 lakhs will be spent for carrying out the spillover works.

Pepsu Road Transport Corporation (PRTC):

9.18. During 1974-79, the Corporation incurred an expenditure of Rs. 803.49 lakhs for the development activities of the Corporation. Out of this the State Government contributed a share capital of Rs. 392.00 lakhs. The Corporation added 137 buses to its fleet and replaced 488 buses during this period. During 1979-80, the Corporation incurred an expenditure of Rs. 372.67 lakhs, out of which share capital contribution of the State Government was Rs. 157.00 lakhs. With this amount the Corporation purchased 203 buses for replacement of old buses and for its expansion programme. During 1980-84, the Corporation expended Rs. 2265.07 lakhs, which included a share capital contribution of Rs. 1235.00 lakhs by State Government. During this period the Corporation purchased 468 buses. The Corporation had an investment plan of Rs. 981.00 lakhs for 1984-85, which was subsequently revised to Rs. 1139.00 lakhs. The State's share capital contribution which was approved at Rs. 500.00 lakhs was also revised to Rs. 535.00 lakhs during 1984-85. The actual implementation of its plan during 1984-85 was restricted to Rs. 531.36 lakhs due to paucity of funds. The total share capital contribution provided to the Corporation for Sixth Plan was Rs. 1770.00 lakhs against an outlay of Rs. 1025.00 lakhs. The share Capital Contribution was increased keeping in view the inadequate institutional finance available to the Corporation due to its red balance sheet.

9.19. The Corporation will implement its development programme at a cost of Rs. 5985.83 lakhs during Seventh Plan. During 1985-86, the Corporation has approved its plan of Rs. 1,147.50 lakhs on its development programme. The sources of finance are given as under:—

Sr. No.	Source	(Rs. in lakhs)	
		1985-90	1985-86
1	State Govt. Contribution ..	2750.00	550.00
2	Northern Railway's Contribution	1375.00	275.00
3	Institutional Finance ..	1860.83	322.50
	Total ..	5985.83	1147.50

The details of development programme of the Corporation is given in the following table:—

Sr. No.	Item	(Rs. in lakhs)	
		Outlay	
		1985-90	1985-86
1	Acquisition of fleet—		
	(i) Expansion ..	723.35	101.00
	(ii) Replacement ..	4002.48	810.00
2	Workshop facilities ..	175.00	59.00
3	Others ..	10.00	2.00
4	Land and Buildings ..	575.00	75.00
5	Repayment of interest to the State Government ..	500.00	100.00
	Total ..	5985.83	1147.00

9.20. During Seventh Plan, the Corporation proposes to replace 1446 buses including a backlog of 210 buses relating to Sixth Five Year Plan. In addition the Corporation will add 255 buses to its existing fleet under its expansion programme during this period. It may be pointed out that a reduction in bus fleet from 1075 to 1035 as on 31st March 1985 occurred due to non-availability of funds for replacement of buses.

9.21. In the Annual Plan, 1985-86, the Corporation will replace 273 old buses and will add 40 buses to its fleet to make up the backlog and will add one bus to its expansion programme.

Civil Aviation :

9.22. 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 a fleet of 21 pushpak aircrafts and one Bonanza aircraft (4 seater) on which flight training is imparted for the preparation of 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 air-crafts loaned to various Aviation Clubs in the State.

9.23. During 1980-84, an expenditure of Rs. 69.47 lakhs was incurred for providing financial assistance to Aviation Club, Patiala and for purchase of machinery for running AME School and to impart flight and simulator training to the

trainees. An outlay of Rs. 14.00 lakhs was provided in the Annual Plan 1984-85 for this purpose. The physical achievements made during the Sixth Plan period are indicated below:—

Sr. No.	Name of the Training	Unit	Students Trained	Remarks
1	Commercial Pilot Licence issued	No.	61	
2	Private Pilot Licence issued	Do	111	
3	FIR/AFIR	Do	27	
4	Bonaza Rating and Instrument Rating	Do	50	
5	Simulator Rating	Do	126	
6	Aircraft Maintenance Engineering (3 year course)	Do	20	In addition 70 students will be under training

9.24. An outlay of Rs. 120.00 lakhs has been approved for this sub-head in order to implement the following programmes during the Seventh Five-Year Plan period.

9.25. Aircraft Maintenance Engineering School at Patiala impart training for 3 Year Diploma Course in Aircraft Maintenance. During Seventh Plan an outlay of Rs. 25.00 lakhs has been provided as grant-in-aid to the school in order to enable it to admit 100 students for training in this course. During 1985-86, an outlay of Rs. 5.00 lakhs has been approved for this purpose and 20 students will be admitted in the course.

9.26. The department has a Ground Simulator Training Unit at Patiala for imparting training to pilots for better job opportunities, in Indian Airlines. A sum of Rs. 5.00 lakhs during 1985-90 and Rs. 1.00 lakh during 1985-86 has been approved as grant-in-aid to Aviation Club, Patiala, for meeting its expenses.

9.27. An outlay of Rs. 35.00 lakhs has been provided for taking over flying clubs during the Seventh Plan in order to ensure better flying management and training in the State. This provision is over and above the grant-in-aid available to these clubs in the non-plan budget. During 1985-86, an outlay of only Rs. 5.00 lakhs has been approved for taking over one club in the State.

9.28. The existing airfield at Ludhiana has been taken over by Govt. of India to run Vayudoot Service. As such new infrastructure at Ludhiana for flying clubs is required to be developed for the club. As such an amount of Rs. 23.00 lakhs has been approved for the construction of flying clubs building at Ludhiana during 1985-86 for which 10 acre land is already available. Rs. 2.00 lakhs has been provided for the development of Amritsar Flying Club.

9.29. In the Annual Plan, 1985-86, a sum of Rs. 4.00 lakhs as initial investment has been approved for undertaking the Construction work of Ludhiana Airfield for which land is available.

9.30. During 1980-84, an expenditure of Rs. 40.47 lakhs was incurred for purchase of machinery and equipment for the clubs. During 1984-85 an expenditure of Rs. 8.00 lakhs has been incurred for this purpose. A sum of Rs. 30.00 lakhs has been provided for the following items of machinery during Seventh Five-Year Plan period.

	(Rs in lakhs)
1. Replacement of trainer aircraft	20.00
2. Spares and re-enginning	10.00
Total	30.00

In the Annual Plan, 1985-86, a sum of Rs. 5.00 lakhs has been provided for replacement of pushpak aircraft and purchase of spares.

Tourism :

9.31. 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. 226.00 lakhs to the Corporation upto 31st March, 1984, by way of share capital contribution in addition to the transfer of existing assets valued at Rs. 139.00 lakhs. During 1984-85, an outlay of Rs. 25.00 lakhs has been provided for this purpose. The total paid up capital by the end of Sixth Plan accordingly will be Rs. 390.00 lakhs, including transfer of assets. The authorised capital of the Corporation has been raised from Rs. 5.00 crores to Rs. 8.00 crores and accordingly an outlay of Rs. 190.00 lakhs has been approved during Seventh Plan as share capital contribution to the Corporation. In the Annual Plan 1985-86 an outlay of Rs. 19.99 lakhs has been provided capital contribution to the Corporation by the State. In order to provide further boost to the tourist activities in the State, a token provision of Rs. 10.00 lakhs in Seventh Five year plan and Rs. 0.01 lakhs in 1985-86, has been made for Directorate of Tourism in order to enable it to implement various Centrally sponsored schemes.

Final provision will be made after examining the details of schemes to be implemented by Directorate of Tourism.

CHAPTER X

EDUCATION

Education is an effective means for transforming the society through human resources development. The proper educational system cultivates the knowledge, skill, positive attitude, sense of awareness and responsibility towards rights and duties and impart inner strength to face oppression, humiliation and inequality amongst the people.

10.2. During the past three decades the educational facilities have been expanded and upgraded in the State. A good net work of 12,391 primary schools, 1,427 middle schools and 2,519 high and higher secondary schools have been established by collective efforts of the government and of the privately-managed educational institutions. The State has now a primary school in every village, a middle school within 2.0 kms. and a high/higher secondary school within 2.5 kms. of every village. This is better than the norm of one km. for a primary school, 3 km. for a middle school and 5 km. for a high and higher secondary school fixed by the

Government of India. There are, however, some educationally backward pockets which need the educational facilities at the middle and higher secondary school level.

10.3. In the Seventh Five-Year Plan (1985—90) the emphasis will be shifted from expansion and upgradation of education to consolidation and qualitative improvement. A high priority is being accorded to meeting of deficiencies in the existing institutions. To fall in line with National Policy on Education, the 10 plus 2 system of education will be introduced in a phased manner.

10.4. An outlay of Rs. 8,703.00 lakhs has been earmarked for the sub-head 'General Education' in the Seventh Plan against the allocation of Rs. 5,300.00 lakhs in the Sixth Plan. An outlay of Rs. 1317.00 lakhs has been provided for 1985-86. The programme-wise allocation for the Seventh Five-Year Plan and in the Annual Plan 1985-86 is as under :—

(Rs. in lakhs)						
Programme	Sixth Plan (1980—85)]		Annual Plan] (1984-85)	Seventh Plan (1985—90)	Annual Plan (1985-86)	
	Approved Outlay	Anticipated Expenditure	Approved Outlay	Approved Outlay	Approved Outlay	
1	2	3	4	5	6	
1. Primary Education ..	726.00	495.95	24.05	1336.00	176.55	
2. Middle, High/Hr. Secondary Education ..	3066.00	4049.32	1060.08	5344.00	791.60	
3. College Education ..	900.00	529.33	140.88	1215.00	210.95	
4. Languages ..	103.00	85.12	24.67	87.00	12.50	
5. Youth Services ..	76.75	74.69	20.79	113.00	22.00	
6. Sports ..	230.00	151.07	35.00	170.00	32.00	
7. Archives ..	5.00	3.92	1.53	55.00	12.40	
8. Archaeology and Museums ..	63.00	55.62	17.00	216.00	33.00	
9. Art and Culture ..	90.25	21.73	5.00	167.00	26.00	
10. International Home for Children at Chhatbir ..	40.00	3.83	1.00	—	—	
Total ..	5,300.00	5470.58	1,330.00	8,703.00	1,317.00	

1. Primary Education :

10.5 In the Seventh Five-Year Plan, an outlay of Rs. 1336.00 lakhs has been provided for primary education against the allocation of Rs. 726.00 lakhs in the Sixth Plan. Enhanced provision is mainly for

strengthening the supervision net work and meeting acute deficiencies of drinking water and toilet facilities, school buildings, class rooms, etc. An outlay of Rs. 176.55 lakhs has been provided under this programme for the year 1985-86 against the allocation of Rs. 24.05 lakhs in the year 1984-85.

10.6. It is estimated that there is need for more than 16000 class rooms in the primary schools. To meet this acute deficiency, State funds will be augmented with funds available under RLEGP for the construction of class rooms. An outlay of Rs. 500.00 lakhs has been provided in the Seventh Plan under the State Plan budget which would be supplemented by an equal amount from the RLEGP. An outlay of Rs. 100.00 lakhs is allocated for the year 1985-86 to match of RLEGP funds. For meeting the shortage of furniture in primary schools an outlay of Rs. 150.00 lakhs has been provided in the Seventh Five-Year Plan and an outlay of Rs. 35.00 lakhs in the Annual Plan 1985-86.

10.7. Most of the primary schools at present are without the drinking water and toilet facilities. To meet this deficiency, an outlay of Rs. 78.00 lakhs is made in the Seventh Plan and of Rs. 17.42 lakhs for 1985-86. Arrangement for sweeping/dusting is also woefully lacking in schools and is being attended to by students themselves. To appoint part-time sweepers in some primary schools an outlay of Rs. 37.00 lakhs has been provided in the Seventh Plan and an outlay of Rs. 1.88 lakhs in the Annual Plan 1985-86. An other Rs. 451.00 lakhs have been provided for qualitative improvement at primary level education.

10.8. For toning up efficiency in primary schools in the State there is need for strengthening the supervision net work. To make up this deficiency it is proposed to appoint one Sub-Divisional Education Officer with supporting staff at each sub-divisional level involving an expenditure of Rs. 100.00 lakhs in the Seventh Plan and Rs. 20.55 lakhs in 1985-86. An outlay of Rs. 14.00 lakhs has been provided to open 25 primary schools in the Seventh Plan in new habitations/townships. To arrange seminars and workshops for Block Education Officers, Central Head Teachers and Head Teachers of the primary schools an outlay of Rs. 6.00 lakhs has been set aside in the Seventh Plan and Rs. 1.00 lakh during 1985-86.

2. Middle and Secondary Schools :

10.9 At the middle and secondary stage priority will be given to providing science rooms, science laboratories, laboratory attendants, science apparatus/equipment and provision of other basic facilities such as furniture, etc. in the schools. Steps have been taken to introduce 10+2 system in a phased manner. The programme of upgradation and expansion of schools is to be restricted only to identified neglected pockets.

(i) Middle School Education :

10.10. In the Seventh Plan, an outlay of Rs. 1488.00 lakh has been provided against an approved outlay of Rs. 1386.05 lakhs in the Sixth Five-Year Plan for the middle school education. An outlay of Rs. 215.75 lakhs has been provided for this programme in the year 1985-86.

10.11. Presently, there are 1335 Government middle schools in the State. Out of these only 16 schools have proper science rooms. To meet this need, an outlay of Rs. 800.00 lakhs has been provided for

construction of science rooms in the Seventh Plan and Rs. 125.00 lakhs in the Annual Plan 1985-86. Each Science room will be equipped with science apparatus worth of Rs. 5000. This will cost of 72.50 lakhs in the Seventh Plan. In 1985-86 the science equipment and apparatus would be provided in 440 schools for which Rs. 22.00 lakhs is set aside. There is dearth of furniture in most of the middle schools. In the Seventh Plan each school is to be provided furniture worth of Rs 5000 involving an expenditure of Rs. 72.35 lakhs. In 1985-86, this deficiency would be met in 500 schools for which Rs. 25.00 lakhs have been provided. Most of the middle schools lack drinking water and toilet facilities. To provide this facility in all the middle schools an outlay of Rs. 72.50 lakhs is provided @ Rs. 5000 per school for the Seventh Plan. In 1985-86 an outlay of Rs. 25.00 lakhs has been provided to cover 500 schools. There is an estimated shortage of 4200 class rooms at the middle school level. To meet the deficiency in a phased manner an outlay of Rs. 300.00 lakhs has been provided in the Seventh Plan.

10.12. Although a middle school has been provided within the 2.0 Km. against the all-India norm of 3 Kms. yet there are certain isolated pockets which need this facility. For this purpose, an outlay of Rs. 100.00 lakhs has been provided to upgrade 50 primary schools to middle school level in the Seventh Plan. In 1985-86 an outlay of Rs. 6.00 lakhs has been provided. Need to impart non-formal education to the children in the age-group 11—14, who are out of schools, cannot be denied. To arrange non-formal education for two hours a day, it has been proposed to open 200 more non-formal education centres in the State. For this purpose, a provision of Rs. 40.00 lakhs in the Seventh Plan period and Rs. 7.75 lakhs in 1985-86 is made. Under a new scheme 'Universalisation of elementary education', an outlay of Rs. 30.65 lakh has been provided in the Seventh Plan and Rs 5.00 lakhs in the Annual Plan 1985-86 for the preparation, purchase, distribution and display of motivational material.

(ii) High and Higher Secondary Education :

10.13. Against the allocation of Rs. 1679.95 lakhs in the Sixth Plan an outlay of Rs. 3856.00 lakhs has been provided in the Seventh Five-Year Plan to meet the basic deficiencies in existing high and higher secondary schools and also for the expansion of facilities.

10.14. To strengthen teaching of science education science laboratories are the basic need for high/higher Secondary schools. Presently out of 1992 Govt. high and higher secondary schools, most of the schools are without science laboratories. To cover these schools an outlay of Rs. 1000.00 lakhs has been provided in the Seventh Plan and Rs. 215.00 lakhs has been provided in the Annual Plan 1985-86. The appointment of laboratory attendants in the laboratories will involve an expenditure of Rs. 200.00 lakhs in the Seventh Plan. An outlay of Rs. 20.00 lakhs has been provided for the year 1985-86 for this purpose. For the provision of science equipment and apparatus in the science laboratories an outlay of Rs. 100.00 lakhs is being allocated in the Seventh Plan. Out of this, an outlay of Rs. 40.00 lakhs is to be utilised

in 1985-86. Greater priority is being accorded to strengthen and upgrade educational facilities at the high/higher secondary school level so as to enable these institutions to smoothly switch to 10+2 system of education.

10.15. At present out of 1922 Govt. schools only 245 schools have proper library facilities. To cover more schools in the Seventh Plan, an outlay of Rs. 45.00 lakhs and in the Annual Plan 1985-86 an outlay of 5.00 lakhs has been provided. There is also shortage of furniture in the high and higher secondary schools. For this purpose, the outlay of Rs. 80.00 lakhs in the Seventh Plan and Rs. 28.52 lakhs in the annual plan 1985-86, are provided. The provision of proper toilet and drinking water facilities especially in the co-educational institutions in the rural areas need special attention. For providing these facilities in 1100 schools an outlay of Rs. 55.00 lakhs has been provided in the Seventh Plan. In the Annual Plan 1985-86, a target of covering 220 schools is fixed for which a provision of Rs. 11.00 lakhs has been made.

10.16. There is also a shortage of class rooms in the High and Higher Secondary schools. An outlay of Rs. 200.00 lakhs has been allocated in the Seventh Plan to tackle this problem in a phased manner. In 1985-86 an outlay of Rs. 20.00 lakhs has been provided for meeting the spill-over requirement of buildings for the Govt. High schools at S. A. S. Nagar (Mohali) and Dholbaha.

10.17. The Government of India/N.C.E.R.T. has introduced a modified scheme to select talented students for awarding National Talent Search Scholarships. Under this scheme the screening test would be conducted by the State and the final test by the NCERT. To prepare students for the final examination an outlay of Rs. 24.00 lakhs has been provided in the Seventh Plan and an outlay of Rs. 6.00 lakh in the Annual Plan 1985-86. To encourage students belonging to economically poorer strata of society to reach and sustain top level in studies, scholarships are awarded at the rate of Rs. 10.00p.m. to economically poor but brilliant students in 9th to 10th classes. In the Seventh Plan an outlay of Rs. 30.00 lakhs and in the Annual Plan 1985-86, allocation of Rs. 6.00 lakhs has been provided under the scheme "Scholarships for poor but brilliant students."

10.18. For the upgradation of 25 middle schools to the level of High Schools, an outlay of Rs. 100.00 lakhs has been provided in the Seventh Plan. In 1985-86, an outlay of Rs. 5.00 lakhs has been provided to upgrade 5 schools.

10.19. In consonance with the National Policy, a decision has been taken to introduce the 10+2 system of education in the State. To begin with, this system will be introduced in only 90 Government Higher Secondary Schools in the Seventh Plan in a phased manner. In the first phase only 36 schools would be covered under this system from the year 1986-87. However, the preparatory work has to start in 1985-86. The infrastructure such as science laboratories and additional teaching staff, etc., specially for the voca-

tional stream at plus 2 stage which envisages covering of Agriculture, Home Science and Commerce will have to be provided for. Outlays of Rs. 1000.00 lakhs in the Seventh Plan and Rs. 100.00 lakhs in 1985-86 are being provided for the introduction of this new system of education in the State.

(iii) Teacher Training

10.20. The in-service training of primary school teachers will be handled by the SCERT from the Seventh Plan. The content as well as quality of training will be improved. A provision of Rs. 50.00 lakhs in the Seventh Plan and Rs. 10.00 lakhs in the Annual Plan 1985-86 has been provided for meeting the expenditure on account of T.A./D.A. of the teachers attending the in-service training. In-service training and reorientation courses for the teaching staff is necessary with a view to refresh and enrich their knowledge and expose them to the changing methodology of teaching. At present the in-service training to teachers of middle and secondary schools is imparted in three in service training institutions at Jalandhar, Patiala and Ferozepur. An outlay of Rs. 60.00 lakhs in the Seventh Plan and Rs. 12.00 lakhs in 1985-86 has been provided for the in-service training to secondary school teachers in the existing three Centres. The existing three centres can at best handle 5000 teachers in a year and 25000 in the entire plan period. The expansion in the in-service training programme has become all the more necessary as the State has decided to go in for 10+2 system of education. To cope with the training needs it has been decided to set up three more in-service training centres with an expenditure of Rs. 80.25 lakhs in the Seventh Plan. In 1985-86 an outlay of Rs. 15.00 lakhs has been provided for initiating steps towards setting up of these centres. It is expected that the matching contribution would also be forthcoming from Government of India for these Centres.

10.21. With a view to initiate follow up programme for middle and secondary school teachers who are imparted in-service training, it has been decided to set up centres for continuing education. The outlays of Rs. 450 lakhs in the seventh Plan and Rs. 1.00 lakh in the Annual Plan 1985-86 are being provided. NCERT is to bear in full the non-recurring expenditure of these centres and also provide matching contribution for the recurring expenditure.

10.22. For the improvement and strengthening of science education in schools there is need to initiate a programme of conducting science seminars, science fairs and exhibitions, provision of workshop facilities and also the monitoring and appraisal of this programme. The aim is to give science education a practical slant and create greater awareness of science amongst the student community. For this purpose, an outlay of Rs. 15.00 lakhs in the Seventh Plan and Rs. 2.08 lakhs in 1985-86 has been set aside. For the supervision and guidance of the projects 'Strengthening and Improvement of Primary education', set up with the assistance of UNICEF, an outlay of Rs. 1.25 lakhs is earmarked in the Seventh Plan @ Rs. 0.25 lakh per year. Remaining expenditure for these projects is to be borne by the Govt. of India through N.C.E. R. T.

(iv) Adult Education :

In the Seventh Plan an outlay of Rs. 500.00 lakhs has been provided for adult education programme. An outlay of Rs. 10.00 lakhs has been provided for opening 300 new centres to cater to 9000 adults in 1985-86.

(v) Physical Education (Games and Sports)

10.23 Against the allocation of Rs. 131.34 lakhs in the Sixth Five-Year Plan an outlay of Rs. 300.00 lakhs has been provided in the Seventh Five Year Plan. In 1985-86 an outlay of Rs. 70.00 lakhs has been provided for (a) Pre-competition coaching camps, (b) Sports material in middle, high and higher secondary schools for mass participation, (c) latest sports equipment and infrastructure for Sports School at Jalandhar, (d) Cub-bulbul and scouting in schools, etc.

(vi) Direction and Administration :

10.24 In the Sixth Plan, Audit Cells were established in seven districts. In the Seventh Plan, it has been decided to cover the remaining five districts with audit cells. For this purpose an outlay of Rs. 11.00 lakhs in the Seventh Plan and an outlay of Rs. 1.00 lakhs in 1985-86 has been provided.

3. COLLEGE AND UNIVERSITY EDUCATION

10.25 In the Seventh Plan, an outlay of Rs. 1215.00 lakhs has been provided against the allocation of Rs. 900.00 lakhs in the Sixth Plan. This provision is made to strengthen the continuing programmes and also for introduction of new ones. An outlay of Rs. 210.95 lakhs is being provided for the Annual Plan 1985-86 against the approved outlay of Rs. 140.88 lakhs in the previous year for the following programmes,—

(i) Direction and Administration :

10.26 An outlay of Rs. 5.00 lakhs has been provided in the Seventh Plan for creation of staff at the headquarters. To handle the voluminous work at the headquarters, it is proposed to establish a computer system for basic information which will cost Rs. 55.00 lakhs in the Seventh Plan. In 1985-86, an outlay of Rs. 21.50 lakhs is to be utilised for this purpose.

(ii) Grants to the Universities :

10.27 To meet the need of setting up of chairs and introducing job-oriented courses in the Universities, an outlay of Rs. 75.00 lakhs has been provided in the Seventh Plan and Rs. 18.20 lakhs in the Annual Plan 1985-86. The UGC provides matching contribution for various defined construction works in the Universities. Allocations of Rs. 200.00 lakhs in the Seventh Plan and Rs. 40.00 lakhs in 1985-86 are provided as State share to carry out the UGC aided projects in the Universities of the State. An other provision of Rs. 20.00 lakhs is being made for continuation of the Regional Centre

at Bhatinda. In the Annual Plan 1985-86, an outlay of Rs. 4.00 lakhs has been provided for this Centre.

(iii) Expansion and improvement in Govt. Colleges :

10.28 Apart from meeting the needs of a newly opened college at S.A.S. Nagar (Mohali) two new Home Science Colleges are to be opened under the scheme 'Expansion of Colleges'. An outlay of Rs. 300.00 lakhs has been provided in the Seventh Plan under this scheme and Rs. 40.00 lakhs in 1985-86. To start new courses, science classes and for meeting deficiencies in colleges, an outlay of Rs. 400.00 lakhs has been provided under the scheme 'Improvement in existing colleges' during the Seventh Plan. For the year 1985-86 an outlay of Rs. 60.00 lakh is allocated under this scheme. The UGC also provides matching contribution to carry out defined projects in the colleges. To match the UGC share the outlays of Rs. 40.00 lakhs in the Seventh Plan and Rs. 6.00 lakhs in Annual Plan 1985-86, are allocated. To handle increased load of office work in the Government colleges an outlay of Rs. 5.00 lakhs has been provided for additional staff in the Seventh Plan.

(iv) Other programmes in colleges :

10.29 For the construction of buildings for the hostels and also for meeting other requirements in hostels of Government Colleges, an outlay of Rs. 60.00 lakhs has been provided in the Seventh Plan. In the year 1985-86, out of the outlay of Rs. 10.00 lakhs, Rs. 8.00 lakhs are to be incurred on the construction of buildings for the hostels. The outlays of Rs. 30.00 lakhs and Rs. 6.00 lakhs are provided in the Seventh Plan and the Annual Plan 1985-86 respectively, for the continuation of the scheme 'State merit scholarships'. Another scheme 'Seminars and refresher Courses' will continue for which an outlay of Rs. 5.00 lakhs has been allocated in the Seventh Plan and Rs. 1.00 lakh in 1985-86. An outlay of Rs. 20.00 lakhs is being provided under the scheme 'Establishment and strengthening of district libraries' in the Seventh Plan. This provision is made for the construction of new library building and to provide matching grants to the Raja Ram Mohan Roy Foundation, Calcutta, for the purchase of books. In 1985-86, an outlay of Rs. 4.00 lakhs has been allocated under this scheme.

4. Development of Languages :

10.30 This programme aims at the development of Punjabi, Hindi, Urdu, and Sanskrit in the State. In the Seventh Plan for the development of Punjabi an outlay of Rs. 41.00 lakhs has been provided for (i) mobile exhibition and sale of books, (ii) rapport, with writers/literary associations outside the Punjab (iii), preparation of multi language dictionaries, (iv) publication of Bal Sahit, (v) translation of renowned works of different languages, (vi) publication of general knowledge material, and (vii) preparation of Punjabi Kosh. In the Annual Plan 1985-86, an outlay of Rs. 6.15 lakhs has been provided for these works. For the development of Hindi, an outlay of Rs. 8.00 lakhs in the Seventh Plan and an outlay of

Rs. 1.25 lakhs in 1985-86 have been provided for (i) publication of literary monthly magazine, (ii) pension to writers, (iii) publication of children literature. For the development of Urdu, an outlay of Rs. 7.00 lakhs has been provided for giving poetry and prose awards, competition, etc. An outlay of Rs. 5.00 lakhs will be spent for the development of Sanskrit during Seventh Plan. An outlay of Rs. 5.00 lakhs has been allocated for the setting up of a statistical cell in the directorate.

10.31 To meet the expenditure on administration of the Punjab State University Text Book Board the outlays of Rs. 20.00 lakhs in the Seventh Plan and Rs. 2.50 lakhs in 1985-86 are allocated.

5. N. S. S. and Youth Services :

10.32 In the Seventh Plan, an outlay of Rs. 113.00 lakhs has been allocated against the approved outlay of Rs. 76.75 lakhs in the Sixth Plan. This provision is for the continuation of on going schemes (i) youth festivals, (ii) teachers training camps, (iii) youth leadership training/hiking, trekking/mountaineering camps (iv) grant-in-aid for the establishment of village youth clubs/college clubs (v) inter-state tours, and also for the new schemes (vi) establishment of district youth centres (vii) establishment of State youth training and development centre and (viii) celebration of International Year of the Youth.

10.33 The National Service Scheme (NSS) is a Centrally Sponsored scheme (7:5) which aims at imparting education through community services. Grants to the Universities are given for organising the N.S.S. activists (students) at the rate of Rs. 80 per student per year and for arranging camps at the rate of Rs. 100 per camper. During the Seventh Plan, 1.38 lakhs students would be covered under N.S.S. scheme. During 1985-86 it is proposed to spend an outlay of Rs. 22.00 lakhs under N.S.S. and Youth Services.

6. Sports and Games :

10.34 The Punjab is a leading State in the matter of sports. For this programme, an outlay of Rs. 170.00 lakhs has been provided in the Seventh Plan and Rs. 32.00 lakhs in the year 1985-86. This outlay has been provided for (a) coaching and competitions, (b) sports scholarships, (c) purchase of sports equipment, (d) grant-in-aid to the Punjab Sports Council for the construction of sports complexes and (e) sports hostels.

7. Archives :

10.35 In the Seventh Plan and an outlay of Rs. 55.00 lakhs has been allocated against the approved outlay of Rs. 5.00 lakhs in the Sixth Plan. The increase in outlay has been provided for the schemes (i) modernisation and preservation of Archives; (ii) strengthening of State Archives Library; (iii) setting up of a cell at Amritsar for material relating to Maharaja Ranjit Singh; and (iv) modernisation of preservation techniques. An outlay of Rs. 12.40 lakhs has been provided in 1985-86 for this programme.

8. Archaeology and Museums :

10.36 With a view to strengthening and expanding the activities under this programme, an outlay of Rs. 216.00 lakhs has been provided in the Seventh Plan against the allocation of Rs. 63.00 lakhs in the Sixth Plan. This provision is made for (i) conservation/preservation, landscaping/beautification of ancient and historical monuments; (ii) purchase of modern machinery and equipment; (iii) transplantation of paintings; (iv) excavation and exploration and publication of annual archaeological report; (v) development of archaeological library; (vi) modernisation of archaeological laboratory; (vii) museum publications; (viii) renovation/improvement and display in museums/galleries; and (ix) strengthening of technical/administrative wings of the department. For the year 1985-86, an outlay of Rs. 33.00 lakhs has been allocated under this programme against the allocation of Rs. 17.00 lakhs in 1984-85.

9. Promotion of Art and Culture :

10.37 Under this programme an outlay of Rs. 167.00 lakhs has been allocated in the seventh Plan and outlay of Rs. 26.00 lakhs for the Annual Plan 1985-86. This provision is for strengthening of the existing schemes (i) revival of folk songs/dances; (ii) sponsoring cultural troupes and candidates; (iii) grant-in-aid to the institutions for promotion of art and culture; (iv) holding of musical and cultural festivals, melas, seminars, conferences; and (v) strengthening of technical/administrative wings.

The Prime Minister of India made an announcement at Hussainiwala on 23rd March, 1985 for the setting up a Zonal Cultural Centre at Patiala, for establishing cultural linkages amongst the States comprising the North Zone. The Government of India is to meet the entire non-recurring expenditure. For meeting the recurring expenditure of this centre, the participating States namely, Punjab, Haryana, Himachal Pradesh, Jammu and Kashmir and Rajasthan are to contribute Rs. 1.00 crore each during the Seventh Plan towards the Endowment Fund of Rs. 5.00 crore. The Punjab State has provided Rs. 1.00 crore in the Seventh Plan and Rs. 15.00 lakhs in 1985-86 as its share of Endowment Fund for this Centre.

TECHNICAL EDUCATION

The main thrust in this sector during the Seventh Five Year Plan will be as under :—

- (i) Diversification of courses at various level
- (ii) To complete the on-going works to make full use of huge investment already made.
- (iii) Setting up one Regional Engineering College.
- (iv) To strengthen the existing institutions by making up the deficiencies in the form of buildings, machinery and equipment.
- (v) Replacement of old and unserviceable machinery and equipment.

2. Against the outlay of Rs. 300.00 lakhs and anticipated expenditure of Rs. 290.43 lakhs during the Sixth Plan, the Draft 7th Five-Year Plan en-

visages an outlay of Rs. 2504.00 lakhs which includes a provision of Rs. 260.00 lakhs for the year 1985-86. The programme-wise details are given below :—

(Rs. in lakhs)

	Sixth Plan		Seventh Plan	
	Outlay	Anticipated Exp.	Outlay 1985-90	Proposed outlay 1985-86
1. Direction and Administration	10.00	4.79	10.00	2.00
2. Engineering Colleges (Private)	45.50	40.60	95.50	17.10
3. Regional Engineering College (Semi Govt.) Continuing Scheme	86.00	102.72	209.00	75.20
4. Engineering College (Govt.) (New Scheme)			600.00	Nil
5. Government Polytechnics	80.00	92.13	1146.75	117.85
6. Private Polytechnics	9.50	11.75	171.75	10.55
7. Industrial Training Schemes	33.00	16.78	200.00	25.00
8. Other Programmes continuing scheme	36.00	21.66	71.00	12.30
Total	300.00	290.43	2504.00	260.00

3. At present two Engineering Colleges are functioning in private sector at Patiala and Ludhiana. In order to meet the outstanding demand of other districts of the State, it is proposed to establish one Regional Engineering College and two state Engineering Colleges during the Seventh Plan period. Setting up of these institutions will go a long way in imparting professional training to the youth of this State to enable them to take up self employment ventures. A sum of Rs. 750.00 lakhs has been provided during the 7th Plan period for this purpose.

An outlay of Rs. 59.00 lakhs has been provided for the setting up of an Institute of Entrepreneurial Development and Management at Sangrur during the Seventh Five Year Plan.

4. Government Polytechnics :

Against the Sixth Five Year Plan provision of Rs. 80.00 lakhs a sum of Rs. 92.13 lakhs is likely to be expended upto the end of 1984-85. A sum of Rs. 1146.75 lakhs and Rs. 117.85 lakhs has been provided for Seventh Five-Year Plan (1985-90) and Annual Plan (1985-86) respectively for the implementation of various programmes in Government Polytechnics in the State. A sum of Rs. 283.50 lakhs (capital component of Rs. 132.00 lakhs) has been provided for the 7th Five Year Plan (1985-90) for the introduction of various level new Diploma Courses. A sum of Rs. 4.10 lakhs has been provided for the year 1985-86.

5. Setting up of New Government Polytechnic in the State :

A new Government Polytechnic at Bhatinda was set up in 1981-82 during the 6th Plan period. An outlay of Rs. 65.00 lakhs was provided during the 6th Five Year Plan for this project, against which a sum of Rs. 75.29 lakhs has already been spent upto 1983-84 and Rs. 30.00 lakhs is anticipated to be expended during 1984-85, for the completion of workshop Block. An outlay of Rs. 810.00 lakhs has been provided for the seventh Five Year Plan (1985-90) for completing the construction works, purchase of Machinery and equipment and staff of Government Polytechnic, Bhatinda and for the opening of two new Polytechnics including one for Women.

6. Providing Separate feeder in each Government Polytechnic :

For the 7th Plan period a sum of Rs. 5.00 lakhs has been provided for this scheme. The students studying in Government Polytechnics are given practical training according to the curriculum laid by the Technical Teachers Training Institute. It has generally been experienced that due to power shortage, severe cuts are imposed by the Electricity Board, with the result that the practical training of the students suffers badly. In the interest of students training, it is proposed to provide independent feeder to the Polytechnics.

7. Installation of New Tubewell at Government Polytechnic, Amritsar :

The tubewell already installed in the premises of Government Polytechnic, Amritsar is completely dead. In order to install a new Tubewell, rough cost estimated amounting to Rs. 1,68,000 has been prepared by the P.W.D. Public Health Authorities for which Government have already accorded their administrative approval. A sum of Rs. 1.75 lakh has been provided for the installation of new Tubewell during the year 1985-86.

8. Private Polytechnics :

For the implementation/continuation of various programmes/schemes in the private Polytechnics, an outlay of Rs. 171.75 lakhs has been provided for the 7th Five Year Plan. Out of which a sum of Rs. 10.55 lakhs has been provided for the year 1985-86. For the introduction of various level new Diploma Course, a sum of Rs. 147.00 lakhs has been provided for the 7th Five Year Plan and Rs. 2.00 lakhs for the Annual Plan 1985-86.

CONTINUING SCHEMES

9. 3-Year diploma course in Architectural Assistantship at Thapar Polytechnic Patiala :

The scheme has already been cleared by the Government of India/State Government. A sum of Rs. 2.00 lakhs has already been released to the institute during 1983-84 and a sum of Rs. 2.00 lakhs is likely to be released during the current year. The course is likely to be started from 1985-86. Allocation of Rs. 16.00 lakhs and Rs. 5.00 lakhs have been provided for this plan scheme for the 7th Five Year Plan and Annual Plan 1985-86 respectively.

10. 3-Year Diploma course in Electronics and communication at Mehar Chand Polytechnic, Jalandhar :

After clearance from the Government of India/State Government the course has already been started from July, 1982. A sum of Rs. 1.00 lakhs is likely to be released during the current financial year. A sum of Rs. 6.50 lakhs has been provided for the 7th Plan period. Out of which Rs. 3.00 lakhs has been provided for the Annual Plan 1985-86.

11. One-Year Post Diploma Course in Hospital Engineering at Thapar Polytechnic Patiala :

After clearance from the Government of India/State Government the course has already been started from July, 1984. A sum of Rs. 2.00 lakhs has already been released to the Institute upto 1983-84. A sum of Rs. 2.00 lakhs is likely to be released during 1984-85. The product of this course will be responsible for installation, operation and maintenance of Electro-medical and Mechno-medical equipment and plants. An outlay of Rs. 2.25 lakhs has been provided for the 7th Plan period and Rs. 0.55 lakhs for the Annual Plan 1985-86.

INDUSTRIAL TRAINING SCHEME :

12. Besides, keeping in view the recommendations made by the I.T.I., a sum of Rs. 175.00 lacs is needed for replacement of most of the existing machinery and equipment in the Laboratories and Workshops of the Institutions so as to introduce new curriculum. In addition to this a new scheme for starting Book Bank for Scheduled Castes/Weaker Sections trainees getting training in Technical Trades will be introduced on the pattern of Engineering Colleges and Polytechnics where such type of facilities are already available.

SPECIAL TRADE DIPLOMA LEVEL INSTITUTIONS

13. Introduction of new courses at Government Polytechnic for Women at Jalandhar :

Government Polytechnic for Women at Jalandhar was started in the year 1970, Four Courses viz :

- (1) Pharmacy and dressers.
- (2) Secretarial Practice and Stenography.
- (3) Library Science and
- (4) Architectural Assistantship.

are running in this Institute. Two more courses viz. (i) Electronics (ii) Interior decoration and display are to be added during the 7th Plan period. An outlay of Rs. 20.00 lakhs has been provided for the 7th Plan (1985—90) and a sum of Rs. 7.00 lakhs for the Annual Plan 1985-86.

Modernisation of Equipment/Building/Machinery and Library in Special Trade Diploma Level Institutes :

14. Technical Teachers Training Institute, Chandigarh has suggested new curriculum and scheme of studies, which entail the replacement of most of the existing machinery and equipment in the laboratories and workshops of these special diploma level Institutions. In order to introduce this new scheme of studies, which is very essential in view of the advancement in Technology, atleast a sum of Rs. 175.00 lakhs shall be needed during the 7th Plan period.

Starting of Book Bank for S.C. trainees/getting training in technical Trades in all the Institutes under the Industrial Training Department :

15. The facility of Book Bank is already available to the students belonging to Scheduled Castes/Weaker Sections studying in Polytechnics and Engineering Colleges. This facility is not available to the students studying in Special Trade diploma level institutions. In order to provide Books to such trainees and to remove the disparity within the two wings of the same department, it is proposed to establish book bank in these institutions during the 7th plan period. A sum of Rs. 5.00 lakh and Rs. 3.00 lakhs has been provided for the 7th Five Year Plan (1985—90) and Annual Plan (1985-86) respectively.

Other Programmes

16. In order to continue the programmes of the 6th Five Year plan in respect of modernisation and strengthening of equipment in polytechnics, award of scholarships providing students amenities and development of campus, development of libraries,

Book Bank for poor students and construction of incomplete and remaining staff quarters in Government Polytechnic, a total sum of Rs. 71.00 lacs has been provided for these purposes during the 7th Plan period as against Rs. 36.00 lacs provided during the 6th plan period.

APPENDIX
BASIC INFORMATION (GENERAL EDUCATION)

1. Availability of School facilities—

	Distance in Kms from the Village	
	Norms fixed by Govt. of India	Available in State as on 31-3-84
(i) Primary School ..	1.0	in every village
(ii) Middle School ..	3.0	2.0
(iii) High/Higher Sec. School ..	5.0	2.5

2. Number of Schools (as on 31-3-84)

	Central Government	State Government	Private (recognised)	Total
(i) Primary Schools ..	13	12,208	170	12,391
(ii) Middle Schools ..	4	1,335	88	1,427
(iii) (a) High Schools ..	9	1,883	368	2,260
(b) Hr. Sec. Schools ..	1	109	134	244
(c) Schools with 10+2 system of education ..	9	—	6	15

3. Number of Teachers (As on 31-3-84)

(i) Primary stage ..	297	46,619	4,665	51,581
(ii) Middle stage ..	253	25,958	4,566	30,777
(iii) High/Hr. Sec. Stage ..	228	1,5855	3,549	19,632

4. Average Number of teachers per school (As on 31-3-84)

(i) Primary stage ..	4
(ii) Middle stage ..	7
(iii) High/Hr. Sec. stage ..	18

5. Number of students (provisional)

(i) Primary (6—11 years) (30-6-85) ..	Boys :	10,57,069
	Girls :	8,85,301
	Total	19,42,370
(ii) Middle (11—14 years) (31-3-85) ..	Boys :	4,35,673
	Girls	2,98,850
	Total	7,34,523
(iii) High/Hr. Sec. (14—17 years) (31-3-85) ..	Boys :	2,36,423
	Girls	1,41,114
	Total	3,77,534

6. Teacher-pupil ratio (As on 30-9-83) in the State

(i) Primary stage :	.. 1:38
(ii) Middle stage :	.. 1:24
(iii) High/Hr. Sec. Stage ..	.. 1 : 17

7. Percentage drop-out in 1983-84

(i) Primary (6—11 years)	.. Total	40.40
	Boys :	40.60
	Girls	40.00
(ii) Middle (11—14 years)	.. Total :	10.00
	Boys :	10.97
	Girls :	8.48

8. In-Service Training Centres

(i) For J.B.T. Teachers :	..	10
(ii) For Masters/Mistresses :	..	3

9. College

	No. of Colleges (As on 30-9-83)			Number of students (As on 30-9-83)		
	Government	Non-Government	Total	Boys	Girls	Total
(i) Art & Science	35	127	162	79,539	52,653	1,32,192
(ii) Commerce	1	..	1	262	38	300
(iii) Home Science	..	2	2	..	536	536
(iv) Teacher Training (B Ed.)	3	15	18	890	2,699	3,589
(v) Physical Education	1	1	2	312	208	520

B. FINANCIAL AND PHYSICAL NORMS ADOPTED FOR UP-GRADATION OF SCHOOLS.

(a) Up-gradation from Primary to Middle—			Rs.
(i) Implication in terms of additional funds	Salaries :	..	93,000
	Contingencies	..	6,275
	Total	..	99,275
(ii) Implication in terms of staffing pattern	Masters/Mistresses :	..	Two
	C and V Teachers :	..	Two
	Art and Craft Teacher	..	One
	P.T.I. :	..	One
	Class IV	..	One
(b) Up-gradation from Middle to High School—			(Rs.)
(i) Implication in term of additional funds	Salaries :	..	1,13,750
	Contingies :	..	11,250
	Total	..	1,25,000
(ii) Implication interms of additional staff	Headmaster :	..	One
	Masters/Mistress	..	Four
	D.P.E.	..	One
	Clerk	..	One
	Class IV	..	Two
(C) Starting of vocational Schools—			Rs.
(i) Implications in terms of additional funds :	Salaries :	..	52,000
	Machinery & equipment material and supplies etc.	..	26,800
	Sheds (Two)	..	80,000
	Total	..	1,58,800
(ii) Implication in terms of additiona staff:	Vocational Teachers :	..	Three
	Workshop Attended :	..	One

CHAPTER XI

SCIENCE AND TECHNOLOGY AND ENVIRONMENTAL PROGRAMME

A. Science and Technology :

The potential of Science and Technology for contributing to the objectives of modernisation and development is far greater than has been realised in the recent past. Substantial capabilities have been built, but these have not been brought to bear in full measures on the national tasks. In the formulation of Seventh Plan this weakness has now been identified and efforts would be made to ensure that the S&T Component would become an integral part of the every sector. The main areas/functions to be covered by it are as follows :—

- (i) Identification of new technology for agriculture, industry, power, irrigation etc.;
- (ii) All matters relating to arrangements for processing the new technology ;
- (iii) All matters relating to liaison with research institutions, national laboratories, universities and Department of Science and Technology, Government of India ;
- (iv) Dissemination of new technology in the State; and
- (v) Development and utilisation of renewable sources of energy.

11.2. The Department of Science and Technology was set-up in 1983-84 in the state. In the absence of any implementing agency/Directorate in the State, a State Council for Science and Technology was established with a view to act as focal agency in the state for Science and Technology policy, advice, planning, coordinating and providing Science and Technology activities within the State. The Department of Science Technology and Environment has identified the Science and Technology schemes in major sectors of the State Plan which is annexed to this chapter.

11.3. During the year 1983-84, an outlay of Rs. 20.00 lakhs is transferred to State Council for Science and Technology for implementation of the scheme. The same amount of funds was again transferred to State Council for the implementation of schemes both of Science and Technology and the Environmental Programme during 1984-85.

11.4. A sum of Rs. 400.00 lakhs and Rs. 53.00 lakhs has been provided for the Science and Technology schemes (not covered under any other sector of development) both for the Seventh Five-Year Plan and the Annual Plan 1985-86 respectively. The Schemes which would be taken during Seventh Plan period are given as under :—

(a) New and Renewable Source of Energy

11.5. State Subsidy on Solar Cookers :

With a view to popularising the use of Solar Cookers and to give boost to the sale of these cookers in

order to save conventional fuel, the Department of Non-conventional Energy Sources (DNES) is giving subsidy at the rate of 33% of the price of a Solar Cooker subject to a maximum of Rs. 150. A number of State Governments are also providing subsidy from their own resources at Rs. 115 to Rs. 150 per piece in addition to the amount being given by the Government of India. Presently, the price of Solar Cooker varies from Rs. 550 to Rs. 650 per piece and in the coming years its prices are likely to go up. It is, therefore, very necessary for the State Government to allow subsidy at the rate of Rs. 100 per piece irrespective of the cost of Solar Cooker as an incentive to the customer which will go a long way in popularising this device. A sum of Rs. 35 lakhs is provided during the 7th Five-Year Plan on the sale of thirty five thousands Solar Cookers.

However a sum of Rs. 5.00 lakhs has been provided for the year 1985-86 on this account.

11.6 Solar Water Heating System :

To popularise the use of Solar Water Heaters and to save conventional fuel, the Government of India is very keen to make it a success. We have continuous flow of Solar Energy which can be made use of to the maximum. In order to supplement the efforts made by the Government of India as well as cover more areas to provide additional benefits, some efforts are required to be taken during the 7th Five Year Plan period. The D.N.E.S. is giving subsidy for the installation of Solar Water Heaters on Government buildings like Milk Plants, tourist bungalows, Schools and colleges, Hospitals and College/School Hostels. It also gives subsidy for the installation of this system on private buildings. To make use of the funds being given by the Government of India for this purpose, it is very necessary that the State Government should come out with its incentive share to attract more funds from Government of India. A sum of Rs. 35.00 lakhs and Rs. 5.00 lacs has been provided for 7th Plan and the Annual Plan 1985-86 respectively for this purpose.

11.7. Agro Residue Based Power Generation :

It is proposed to set up a power generation unit based on the agro waste by gasification of agro based rice straw etc. This power shall be fed into the grid and supplied to the consumers. A special committee has already been set up consisting of Government representatives and experts in the field by the Department of Science, Technology and Environment and the project is likely to be commissioned during the period of 7th Five-Year Plan.

A sum of Rs. 5.00 lacs for the 7th Five Year Plan and Rs. 1.00 lakh for 1985-86 has been provided for this programme.

11.8. Community and Institutional Bio-gas Plants :

The Government of India bears 100% cost of the installation of the Community Bio-gas Plants. As per their present policy, the various agencies namely PAIC, Thaper Polytechnic Patiala, Milk Producer's Union, Bhatinda, RDA (Hoshiarpur) & Punboard are engaged in setting up these Plants. A sum of Rs. 100.00 lakhs during the 7th Five-Year Plan and Rs. 10.00 lakhs for 1985-86 has been provided for the installation of these plants.

11.9. Wind Data Collection in the State :

The Government of India is giving utmost importance to the use of non-conventional source of Energy and wind energy is one of the sources. Wind pumps are already being installed in the State by the Government of India under its demonstration scheme. The executing agencies are experiencing difficulty for the successful running of wind pumps in the absence of a reliable wind velocity data. It is, therefore, very necessary to collect wind velocity data on various heights in the State to exactly know the velocity of the wind at those places and to determine the feasibility of installing wind pumps. The Punjab State Council for Science and Technology has already taken this project in hand during the year 1984-85.

A sum of Rs. 10 lakhs and Rs. 2 lakhs has been provided for 7th Plan and the Annual Plan 1985-86 for this programme respectively.

11.10. Basic Energy Studies in the Villages :

It is proposed to depute a team to the villages for studying their energy conditions, sources of conventional fuel and to seek their suggestions as to how the conventional fuel can be saved and to suggest improvements in the designs of chullas. This scheme would cost the state exchequer Rs. 5 lakhs during the 7th Five-Year Plan period.

However, a sum of Rs. 1.00 lakh is provided for the year 1985-86 for this purpose.

11.11. Setting up of Renewable Energy Development Agency :

Punjab has a strong case for the setting up of a Research and Development Institution in the State, because there are very few such institutions at present. In order to give an impetus to the programme of popularisation of renewable energy devices, it is proposed that an institute of renewable energy should be set up in the State with the active collaboration of the Government of India. The institute will be engaged in R&D projects in the fields of solar thermal projects, photovoltaic, energy, conversion etc. The limited experience with the existing technology in the field of renewable energy devices shows that a lot of work has to be done for improving the designs, quality

and effectiveness of these devices so as to make them more popular with the general masses. The setting up of such an institute can provide a major step in the direction of further popularisation of these devices. A sum of Rs. 25.00 lakhs is estimated for the setting up of this institute during the course of the 7th Five Year Plan.

However a sum of Rs. 5.00 lakhs has been provided for the year 1985-86 for this purpose.

11.12 Incentives for Making Improvements in the Efficiencies of Pumping Sets etc. :

Some recent studies have revealed that by making suitable changes in designs etc. of pumping sets and diesel engines, huge savings of conventional fuel can be made. In order to induce the general public to adopt the new practices and the new designs, it is proposed to give subsidy for effecting modernisation of the designs of existing pumping sets etc., to the actual users. The Government of India is also expected to give a substantial help for the scheme. A sum of Rs. 25.00 lakhs and Rs. 5.00 lakhs has been provided for Seventh Plan 1985-90 and Annual Plan 1985-86 respectively for giving subsidy to farmers and other users to improve their engines.

(b) Scientific Services :

11.13 Sponsored Science and Technology Schemes/ Pilot Trial/Extensions Through Approved Institutions in the State :

Although a number of specific schemes have been mentioned in the Draft 7th Five Year Plan of the State on Science and Technology side, a number of research projects can be initiated in the existing institutions in the State with support of the Punjab State Council for Science and Technology, which may be directly relevant to the needs of the State. The idea is to undertake projects on the applied side, which could be on immediate use in some area or the other. The remedial measures could then be taken after the results of such studies are known. It is, therefore, necessary that for sponsored research for applied science and Technology, sufficient funds should be placed at the disposal of the Punjab State Council for Science and Technology to finance such research projects. A sum of Rs. 87.00 lakhs and Rs. 5.00 lakhs has been provided for 7th Five Year Plan and for Annual Plan 1985-86 respectively for research projects.

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

Satellite imageries and Aerial photographs on 1:25000 and 1:50000 scale will be used for preparing map of the State for assessing cropping patterns, soil characteristics, water logging, flood control and afforestation etc. Similarly, Aerial photography on 1 : 10,000 scale will be used for planning of human settlements for preparation of development schemes, water supply and sewerage scheme and traffic operation plans etc.

2. Crop production forecasting will also be possible in India with the availability of remote sense data. A methodology will be developed for the estimation of areas under important crops utilising satellite imageries and crop production forecast will be made at varying stages of crop growth using remote sensing data with agro-meteorological and crop parameter.

A sum of Rs. 25.00 lakhs and Rs. 5.00 lacs has been provided for this programme for Seventh Five Year Plan 1985—90 and Annual Plan 1985-86 respectively.

11.15 Supporting Voluntary Organisations :

There are some voluntary organisations in the State like the Punjab Backward Classes Development Board which are engaged in a number of projects like Community Biogas Plant and the implementation of Dairy Extension Programmes. These organisations managed to get finances from charitable organisations in and outside the state thereby helping in the development of the State. To encourage such agencies, it is necessary to support them for deploying proper frastructure to run the projects from its headquarter. A sum of Rs. 20.00 lakhs and Rs. 2.00 lakhs has been provided during Seventh Plan and the Annual Plan 1985-86 respectively.

11.16 Technical Secretariat for the Punjab State Council for Science and Technology :

As per the guidelines given by the Government of India the Punjab State Council for Science and Technology has started functioning as a registered Society w.e.f. July, 1983 in the State. There is an urgent need for the setting up of a technical secretariat for the Council headed by a Director supported by scientific officers drawn in various disciplines. These scientific officers shall act as Member Secretaries of the working groups set up by the Council in different fields like Agriculture, Industry, Electronics, Energy etc. A proposal has been drawn up by State giving the details of the staff required by the Secretariat. A sum of Rs. 10.00 lakhs and Rs. 2.00 lakhs has been provided during Seventh Plan and Annual Plan 1985-86 respectively.

11.17 Meteorological Satellite Ground Receiving Station at Punjab Agriculture University, Ludhiana

In order to give regular information to the farmers and to make accurate and timely weather forecast, a proposal has been drawn up by the Department of Agro-Meteorology, Punjab Agriculture University Ludhiana for the setting up of a Meteorological Satellite Ground Receiving Station at the University. This station shall make use of the data sent by INSAT-I B and the forecast weather on a very accurate basis so that the farmers can adjust their farm operation accordingly. A sum of Rs. 18.00 lakhs and Rs. 5.00 lakhs has been provided for this station during Seventh Five Year Plan and the Annual Plan 1985-86 respectively.

B. Environmental Programmes :

The State Government have constituted the Punjab State Environment 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 undertaken i.e. for maintenance, upgradation, and management of environment in an integrated manner. An outlay of Rs. 100.00 lakhs and Rs. 15.00 lakhs have been provided for the 7th Five-Year Plan 1985—90 and the Annual Plan 1985-86 respectively, for the schemes (not covered under any other sub-head of development) given as under :

11.18 Scheme regarding giving support to the District Environment Committees :

The District Environment Committees were constituted by the Department of Science, Technology and Environment in June, 1984 with the following aims in view :—

- (i) For the promotion of environmental management through co-ordination and catalysis of the activities of the relevant Departments/Agencies;
- (ii) to identify areas of degradation of environment and to evolve corrective measures;
- (iii) to formulate specific projects for the upgradation of environment ;
- (iv) to elicit the co-operation of Voluntary agencies for implementation of the Projects for environmental up-gradation ;
- (v) to monitor various Programmes relating to environment in the districts, and
- (vi) for the creation of environmental awareness and for eliciting public support for environmental management.

The Deputy Commissioners are the Chairmen of their respective District Environment Committees, though it has been enjoined upon the District Environment Committees to seek financial support for the implementation of their programmes from the voluntary organisations and the local bodies. Government feel that an active financial support may be extended to these committees, for the implementation of the projects/programmes drawn up by these Committees for the upgradation of the environment. A sum of Rs 85.00 lakhs and Rs. 12.00 lakhs has been provided during Seventh Five Year Plan and Annual Plan 1985-86 respectively.

11.19 Environmental Consultancy Study :

It is proposed to set up an Environmental Consultancy Cell consisting of experts in the field in some Universities of the State which shall undertake study

in various environmental fields and render consultancy service to the needy organisation and centres in Industry, Local Government, Rural Development etc. A sum of Rs. 5.00 lakhs during the 7th Five Year Plan and Rs. 1.00 lakh in the Annual Plan for 1985-86 has been provided for this purpose respectively.

11.20 Support to voluntary organisation :

Of late environment has started engaging the attention of the Central as well as State Government. Environmental laws concerning air and water pollution have been enacted by the Central Government to check/curb the pollution of the air and water. Atmosphere is being polluted by various industries in the

State and these are becoming health hazard. In order to provide the people of the State with a clean environment it becomes the foremost duty of the State to check the degrading the state of environment and to create environmental awakening of the people by some voluntary organisations. Some of such organisations have come to the forefront and have started doing work in the field of upgradation of Environment. To encourage such voluntary Organisation to devote more vigorously in this field some state assistance is the need of the hour. A sum of Rs. 10.00 lakhs and Rs. 2.00 lakhs has been provided for Seventh Five-Year Plan 1985—90 and 1985-86 respectively for the purpose.

SCIENCE AND TECHNOLOGY COMPONENT

(Rs.in lakhs)

Name of the Scheme/Project	6th Five-Year Plan (1980-85)	1980-83 Actual Exp.	1983-84 Actual Exp.	1984-85		7th Plan 1985-90		1985-86		
				Approved outlay	Anti. Exp.	Outlay	Of which capital content	Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
Agriculture :										
AP 7.1	Estt. of Soil Testing Laboratories including mobile Testing Laboratories ..	135.00	48.17	29.26	35.00	35.00	170.00	40.00	40.00	3.00
AP 7.2	Seed Testing Lab. ..	22.00	12.85	5.33	5.50	5.50	25.00	—	5.00	—
AP 7.3	Fertilizer Quality Control	54.00	15.61	3.63	4.85	4.85	68.00	18.00	15.00	3.00
AP 7.4	Insecticide Testing Lab.	52.00	13.52	2.93	5.00	5.00	32.00	2.00	5.00	2.00
Horticulture										
AP 24.1	Setting up of Analytical Laboratory ..	—	—	—	—	—	50.00	20.00	1.00	1.00
Soil Conservation										
Sc(A) 1.1	Soil Survey in the State ..	62.00	28.87	12.46	14.00	14.00	90.00	—	15.00	—
Sc(A) 1.2	Soil and Water Resources Inventory for land use Planning & Environment ecological Improvements ..	—	—	—	—	—	10.00	—	2.00	—
Sc(A) 2.1	Training Research & Demonstration ..	30.00	16.05	2.07	3.00	3.00	40.00	—	3.50	—
Punjab Agricultural University										
(i) Research										
(ii) Agri. education extension Farmer's Training										
Animal Husbandry										
AH 3.1	Veterinary Education and Research Grant-in-aid to Punjab Agri. University, Ludhiana for development of education and research ..	275.00	170.69	68.03	66.00	50.00	392.63	—	67.37	—
AH 9.10	Modernisation of Govt. Farms—									
	(a) Cattle Farm Mattewal	—	—	—	—	—	5.00	—	0.50	—
	(b) Poultry Farm Patiala	—	—	—	—	—	—	—	—	—
	(c) Piggery Farm, Kharar	—	—	—	—	—	—	—	—	—
Community Development and Panchayats										
CD 3.9	Popularisation of smokeless Chullahs in rural areas ..	—	—	—	2.00	2.00	5.00	—	—	—
Irrigation and Flood Control (including Minor Irrigation)										
Water Development (Survey, Investigation & Research)										
WD 1.2	Investigation of Schemes	180.00	91.44	41.75	65.00	65.00	240.00	240.00	40.00	40.00
WD 1.2	Research Schemes ..	50.00	22.78	7.83	20.00	20.00	200.00	200.00	18.00	18.00

Name of the Scheme/Projects	6th Five Year Plan (1980-85)	1980-83 Actual Exp.	1983-84 Actual Exp.	1984-85		7th Plan 1985-90		1985-86	
				Approved outlay	Anti. Exp.	Outlay	Of which capital content	Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
WD 1.3 Grant-in-aid to Punjab Agriculture University, Ludhiana for research in water resources	—	—	—	2.00	2.00	10.00	10.00	2.00	2.00
Directorate of Water Resources (Kandi Watershed and Area Dev. Project)									
WD 1.5 Technical assistance, research and Training	265.00	138.13	27.67	30.00	30.00	80.00	80.00	30.00	30.00
(5) Anti-Water Logging, Drainage and Flood Control									
FC 5.2 Anti-water logging and drainage schemes for lowering the water table of Faridkot and Muktsar Areas	—	306.44	99.93	300.00	300.00	3500.00	3500.00	200.00	200.00
Power									
E. (a)(i) Installation of Bio-gas Plants	30.00	28.98	0.46	5.00	4.20	39.00	39.00	5.00	5.00
Industry and Minerals									
IN 2.13 Effluent Treatment Plants to various Industrial Development Centres	—	—	—	0.10	0.10	50.00	50.00	10.00	10.00
IN 2.17 Conservation of Energy Improvement	—	—	—	—	—	45.00	41.00	6.00	6.00
IN 2.5 Equipment and modernisation of Industrial Development Centres	100.00	48.06	17.97	10.00	10.00	292.00	255.00	12.00	12.00
IN 2.6 Equipping and Modernisation of Quality Marking Centre	39.00	10.14	3.46	2.00	2.00	152.00	135.00	5.00	5.00
IN 2.9 Modernisation of S.S.I.	40.00	9.39	0.50	2.00	2.00	175.00	167.00	10.00	10.00
IN 2.16 Setting up of new UNDP aided projects	—	—	—	—	—	200.00	135.00	0.01	0.01
IN 2.19 Promotion of Industries based on utilisation of agriculture Waste/residue	—	—	—	—	—	20.00	5.00	0.01	0.01
Technical Education									
TE 2.1 Diversified degree course in Industrial Design (Mech. Engg.) at Thapar Insti. of Engg. and Technology, Punjab	6.00	2.50	2.00	3.00	3.00	12.00	—	6.00	—
TE 2.2 Diversified degree course in Electronics and Elect. Communication at Guru Nanak Engg College, Ludhiana	10.00	3.60	2.00	3.00	3.00	9.00	—	4.00	—
TE 3.2 Setting up of an Institute for Entrepreneur Development and Management	—	0.01	—	0.20	0.20	59.00	—	0.20	—

Name of the Scheme-Projects	6th Five-Year Plan (1980-85)	1980-83	1983-84 Actual Exp.	1984-85		7th Plan, 1985-90		1985-86	
		Actual Exp.		Approved outlay	Anti. Exp.	Outlay	Of which capital content	Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
TE 5.3 Technical Education. One year Post Diploma course in Hospital Engineering at Thapar Poly. Patiala	2.50	—	2.00	2.00	2.00	2.25	—	0.55	—
TE 6.2 Modernisation of equipment/Building/Machinery and Library in Special Trade Diploma Level Institutions	—	—	—	—	—	175.00	60.00	15.00	5.00
TE 7.1 Modernisation/Strengthening of equipment in Govt. Polytechnics	18.00	6.79	2.64	2.00	2.00	20.00	—	10.00	—
Water Supply and Sewerage									
WS-7 UNDP Project Low Cost Sanitation	—	—	11.00	13.30	13.30	87.00	87.00	24.97	24.97
VS-3 Setting up of Mechanical Compost Plant at Amritsar, Jullundur and Ludhiana	42.66	—	—	—	—	70.00	70.00	20.00	20.00
VS-4 Urban Solid Waste Disposal	13.34	—	—	—	—	50.00	50.00	10.00	10.00
Setting up of Sewerage Treatment Plants	—	—	10.00	10.00	10.00	2950.00	2950.00	20.00	20.00
Total	2426.50	1594.35	608.26	914.95	936.95	10724.88	8495.75	853.11	467.19

CHAPTER XII

PUBLIC HEALTH AND SANITATION

As a matter of overall strategy, the improvement in the quality of health services will get precedence over the expansion programme and the major thrust during the Seventh Five-Year Plan will be as under :—

- (i) Completion of on-going works of Operation Theatre Complex of SGTB Hospital Amritsar and Rajindra Hospital, Patiala and to provide machinery and equipment to make them functional.
- (ii) To create the minimum physical facilities required for obtaining recognition of M.C.I for Medical College, Faridkot.
- (iii) To provide staff especially the para medical staff for the medical colleges and Teaching Hospitals according to the norms.
- (iv) Replacement of old and unserviceable machinery and equipment in the existing Medical Institutions.
- (v) Completion of on-going works to make use of the investment already made on them as also to meet building deficiencies.
- (vi) Upgradation of subsidiary Health Centres to PHC to improve the rural health services qualitatively as also to narrow down the gaps in the availability of health services in urban areas and rural areas.
- (vii) Augmentation of training facilities for para-medical staff so as to meet the increasing demand for this category.

12.2 Previously the emphasis has been on the expansion of health facilities/opening of new medical

institutions in the State. By the close of 1983-84, 1576 subsidiary health centres, 111 twenty-five bedded hospitals had been established in the rural areas of the State. Apart from this a number of existing institutions were upgraded and provincialised. As a result, of fast expansion of the institutions proper provision for building, machinery and equipment etc. could not be made. At present about 1300 subsidiary health centres and 13 primary health centres are without buildings. A sum of Rs. 13.00 crores and Rs. 1.95 crores respectively would be required to house these institutions. To make the operation theatres at SGTB Hospital, Amritsar and Rajindra Hospital, Patiala functional a sum of Rs. 3.20 crores would be needed. The estimated cost of construction of buildings for Medical College, Faridkot is about Rs. 40.00 crores and another 2.00 crores would be needed to complete the allied work of operation theatre of SGTB Hospital, Amritsar and Rajindra Hospital Patiala. Apart from the above demand there is spill-over requirement of Rs. 117.25 lakhs for various works of the department.

12.3 Keeping in view the enormous deficiencies in the form of buildings, machinery and equipment and para-medical staff in the existing institutions the allocation of Rs. 10350.00 lakh for the Seventh Five-year Plan and Rs. 1,555.00 lakh for the Annual Plan 1985-86 have been provided against the anticipated expenditure of Rs. 5717.65 lakh during the Sixth plan period. Major chunk of the proposed allocation will be utilised for making up the deficiencies in the buildings Rs. 4499.25 lakh during the Seventh Plan period. Apart from this, substantial amount will be utilised for providing medicines in the sub-centres, dispensaries and PHCs on the enhanced norm basis. Department-wise break-up of the outlay and expenditure for the Sixth Plan and allocation provided for Seventh plan and Annual Plan 1985-86 with break-up of major components is given below :—

(Rs. in lakhs)

	Sixth Plan 1980—85			7th Plan 1985—90		Annual Plan 1985-86	
	Approved outlay	Capital content	Antici- pated Exp.	Proposed outlay	Building	Proposed outlay	Building
1	2	3	4	5	6	7	8
DRME ..	1700.00	853.00	1581.42	2700.00	1247.25	515.00	231.00
D.H.S. ..	2995.00	412.00	3936.25	7439.00	3211.00	1010.00	328.85
Ayurveda ..	165.00	2.60	152.87	96.00	41.00	15.00	5.56
Homoeopathy ..	40.00	—	47.11	115.00	—	15.00	—
Total ..	4900.00	1267.60	5717.65	10350.00	4499.25	1555.00	565.41

DIRECTORATE OF RESEARCH AND MEDICAL EDUCATION, PUNJAB

12.4 Main objectives of the Department are as under :—

- (a) To produce trained personnel Medical and Para Medical to cover the needs of Public/Private sectors.
- (b) To provide Medical Care of advanced standard so that the Medical College can serve as referral centres for the surrounding districts/whole of the State.
- (c) To carry out medical research.
- (d) Re-orientation of Medical Education and motivation of Medical undergraduates and graduates so as to provide better medical services to the rural population.

Annual out-turn of MBBS doctors, post-graduate doctors from five Medical colleges in the State is as under :—

	Graduate	Post-Graduate
(a) Medical College, Amritsar ..	150	74
(b) Medical College, Patiala ..	150	99
(c) GGS. Medical College, Faridkot ..	50	—
(d) C.M.C. Ludhiana ..	50	—
(e) D.M.C. Ludhiana ..	50	—
Total ..	450	173

12.5 Besides the MBBS Graduate courses, Medical Colleges Patiala and Amritsar run full time post-graduate degree and diploma courses in the Medical specialities/disciplines, refresher courses for in-service Doctors, training courses for Pharmacists, Laboratory Technicians, Radiographers. Ophthalmic Assistants and Dental Hygienists etc.

12.6 There is a State Dental College at Amritsar with 30 admissions for B.D.S. courses. A dental Wing is also attached with Medical College, Patiala with 20 annual admissions for B.D.S. Course. A few post-graduate dental courses are being run at Dental College and Hospital Amritsar.

12.7. Teaching Hospitals :

(a) SGTB Hospital, Amritsar and Rajindera Hospital, Patiala :

Structure of Operation Theatre buildings at SGTB Hospital, Amritsar and Rajindera Hospital, Patiala was completed during the year 1980-81. However these structures could not be given final touches due to non-availability of operation theatre equipment and machinery. Equipment worth Rs. 80.00 lakhs has already been imported and will be installed during this year. An allocation of Rs. 90.00 lakh is proposed for building works to make all the operation

theatres functional during the year 1985-86. Besides this, it is hoped that out of the proposed allocation of Rs. 625.00 lakh (capital components Rs. 225.00 lakh) deficiencies in buildings, machinery and equipment and para-medical staff will be met during the course of the 7th Five-Year Plan.

(b) **Guru Gobind Singh Medical College, Faridkot :**

250 bedded Hospital attached with Medical College, Faridkot started functioning during 1979-80 and allocation of Rs. 285.00 lakh during the Seventh Five-Year Plan period is being provided for this college.

12.8 T.B. Hospital :

An allocation of Rs. 54.55 lakh with capital component of Rs. 32.25 lakh is being provided for T.B. Hospitals at Amritsar and Patiala for the 7th Five-Year Plan. There is an urgent need for construction of a kitchen for 200 patients (Rs. 2.00 lakh), O.P.D. block (Rs. 8.00 lakh), Administrative Block (Rs. 3.00 lakh) and cycle sheds etc. at T.B. Hospital Amritsar. To accommodate these demands Rs. 19.00 lakh on capital side is provided for the plan period and Rs. 12.00 lakh for construction of kitchen building and O.P.D. block during 1985-86 in this Hospital. Necessary equipment at a cost of Rs. 5.40 lakh will be provided. The proposed allocation will also take care of the staff requirement. Similarly an adequate allocation of Rs. 23.00 lakhs is provided for T.B. Hospital, Patiala for providing necessary building (Rs. 13.00 lakh), equipment (Rs. 2.50 lakh), medicines and necessary staff.

12.9 Medical Education :

An allocation of Rs. 1,565.45 lakhs with capital component of Rs. 900.00 lakh is being suggested to take care of the building works, machinery equipment and provide staff according to the norms laid down by M.C.I/D.C.I., to remove the deficiencies in the Medical Colleges/Dental Colleges in the State. The major chunk of Rs. 883.00 lakh (capital Rs. 700.00 lakh) will be utilised for Medical College Faridkot to provide minimum physical facilities to get the recognition by the Medical Council of India. Adequate provision for replacement of obsolete equipment and purchase of modern/latest equipment for the medical colleges, dental colleges has been made under the relevant schemes.

12.10 D.H.S.

On the eve of the Seventh Five-Year Plan, there shall be 2603 sub-centres, 1576 Subsidiary Health Centre, 130 Primary Health Centre and 111 Twenty-five bedded Hospitals operating in the rural areas of the State. Short comings in the form of buildings equipments and medicines in Medical Institutions occurred because of opening of these institutions at the rapid rate in the recent past. Keeping this fact in view the main thrust will be on bringing qualitative improvement in the health services by removing

the existing deficiencies to the extent possible. Out of the proposed allocation of Rs 7439.00 lakhs major chunk is set aside for removal of existing deficiencies i.e. buildings Rs 3211.00 lakh and providing machinery and equipment, staff and medicine according to the improved norms. Expansion programme will be kept at the bare minimum 250 sub-centres, 25 dispensaries in Urban slum areas and 200 primary health centres (By upgrading the S.H.Cs., will be opened during the Seventh Five-Year Plan period. 10 local bodies Hospitals /dispensaries will be provincialised at a cost of Rs 20.00 lakh during 1985-90. Five existing hospitals will be upgraded to various levels at a cost of Rs 300.00 lakh during the plan period. During the Seventh Five-Year Plan(1985-90) the allocation under the M.N.P. has been increased as Health programmes for rural population under MNP have been grossly inadequate to meet the minimum levels of health care.

12.11 Opening of Primary Health Centres by upgrading Subsidiary Health Centres/Dispensaries in Rural Area :

During the Sixth Five-Year Plan period, emphasis remained on opening of Subsidiary Health Centres in the rural areas. The number of such dispensaries was raised from 896 in 1978-79 to 1576 in 1984-85 and thus one dispensary for every 8000 rural population was provided. However, in the health structure envisaged by the Government of India the Subsidiary Health Centres does not figure anywhere. The base of the envisaged health structure is sub-centres and then the Primary Health Centres. To fall in line with Government of India health structure, it has been decided to discontinue the programme of opening of new SHCs during Seventh Plan. Instead the emphasis will be laid on opening of more PHCs to provide better quality health services to the rural masses. To keep the expenditure to the lowest minimum as also to utilise the existing infrastructure created in the form of building, equipment staff in the Subsidiary Health Centres PHCs will be opened by upgrading the existing SHCs. It is proposed to open 200 Primary Health Centres by upgrading SHCs at a cost of Rs. 1630.00 lakh (Capital component of Rs. 1500.00 lakhs) during the Seventh Plan. Annual Plan 1985-86 has a target of opening such 40 PHCs for which provision of Rs. 140.00 lakh (Capital component Rs. 100.00 lakh) has been made.

12.12 Opening of Sub-Centres :-

Sub-centres has a base of the Health structure in the State. Services of one male and one female workers are available in this centre. The number of Sub-Centres has been increased from 2105 in 1979-80 to 2603 in 1984-85. There was one sub-centre for every 5000 rural population on the eve of launching of the Seventh Plan. To cope with the increase in population as also to retain the already realised goal of providing one sub-centre for every 5000 population, there is a target of opening of 250 sub-centres @ 50 per year during the Seventh Plan. A provision of Rs. 836.15 lakh and Rs. 93.05 lakh has

been made for this purpose for the Seventh Five Year Plan (1985-90) and Annual Plan (1985-86) respectively.

12.13 Establishment of Community Health Centres :

As per guidelines of Govt. of India, during the 6th plan period, 10 Community Health Centres were established during 1982-83 at upgraded PHC/Sub-Divisional Hospitals to provide specialist services in Medicines, Surgery, Gynaecology and Paediatrics to the rural masses. During the Seventh Five-Year Plan period, it is proposed to establish 50 Community Health Centres at upgraded PHCs/other important towns, Hospitals etc. in the State. The additional requirement of staff for one established Community Health Centre would be Doctors (Specialists)-4, Staff Nurses-3, Dressers-1 and class IV employees-2, which would cost about Rs. 1.20 lakh annually for staff etc. and non-recurring expenditure in the form of Machinery and Equipment would be Rs. 0.20 lakh. Outlays of Rs. 160.00 lakh and Rs. 12.00 lakh have been provided for the Seventh Five Year Plan (1985-90) and Annual Plan (1985-86) respectively.

12.14 Establishment of 25-30 Bedded Block Level Rural Hospitals in the State :

111 Rural Hospitals with 25-30 beds strength were established by the end of 31st March 1980 in 96 Community Development Blocks as per break-up given below :-

(i) Upgradation of PHCs to 30 bedded	57	} Out of these, 100 rural Hospital were sanctioned during 1978-79 and 1979-80.
(ii) Establishment of 25 bedded hospitals (State scheme)	30	
(iii) Establishment of 25-30 bedded hospitals under 1/3rd scheme	24	
Total	111	

For the time being for proper functioning of 25/30 bedded hospitals, buildings are proposed to be constructed for 30 hospitals during the Seventh Five-Year Plan. It is also proposed to provide additional Machinery and Equipment after the hospitals buildings are constructed. The approximate cost of construction of 25/30 bedded hospitals is Rs 20 to 30 lakh excluding cost of existing PHC (Upgraded PHC). An outlay of Rs. 230.00 lakhs and Rs 30.00 lakhs has been provided under this scheme for the 7th Five Year Plan (1985-90) and Annual Plans (1985-86) respectively.

12.15 Establishment and Strengthening of Dental Clinics :

The Dental Clinics are provided at PHC level in each block. There are 123 Dental Clinics in the State. Due to late receipt of Government sanction etc. Dental equipments could not be provided at

some Dental clinics. Dental units, Dental Chairs and Dental X-Rays are yet to be provided at about 30/20/10 places respectively. It is proposed to remove these deficiencies during 1985-86. An outlay of Rs. 6.00 lakh and Rs. 2.00 lakh has been provided for the Seventh Five-Year Plan (1985—90) and Annual Plan (1985-86) respectively.

12.16 Management Information System :—

Realising the major draw backs of present collection and completion of information system, that it takes a considerable time for obtaining the information on various Health & Family Welfare Programme, the Government of India felt that there should be an 'Integrated Health Information System' by which the information on all major Health Programme may be expeditiously collected, tabulated, analysed and feed back for the remedial measures. To achieve this new 'Management Information System' has been introduced by Govt. of India from January, 1983. Under this new 'Management Information System' the registers and records to be maintained at sub-centre/Supervisory level have been prepared. The likely expenditure for the printing of the said record and returns for one P.H.C. is likely to be Rs. 15000/-approximately per year. An outlay of Rs. 15.00 lakh has been provided for the said purpose for Seventh Five Year Plan (1985-90) in order to cover 130 Primary Health Centres in the State.

12.17 Control/Eradication of Communicable Diseases :—

The control and eradication of communicable diseases as Malaria, T.B. and Training and Employment of Multipurpose Workers Schemes are covered by Centrally Sponsored Schemes. These schemes are to be continued on 50 : 50 sharing basis between the State Govt. and the Govt. of India. Accordingly an allocation of Rs. 2317.00 lakh has been provided for the Seventh Five-Year Plan (1985—90) out of which Rs. 435.75 lakh has been provided for the year 1985-86

12.18. Other Programmes :

The State hospitals have equipment worth more than Rs. 25.00 crores. In the absence of a satisfactory arrangement for maintenance and repairs, most of the equipment remains out of order for long period till it is get repaired at heavy cost from the open market. In view of this repair and maintenance unit in the state was set up in 1979-80 at a cost of Rs. 5.77 lakhs. It has been proposed to establish Equipment and Repairs/Maintenance units in all the districts. There is already a post of electricians, Carpenters and Blacksmiths sanctioned for a 100 bedded hospital. It is proposed to create a post of Supervisor with the qualifications of Diploma in Hospital Engineering so that repairs and Maintenance of hospital equipments which at present, is being got repaired and maintained from open market at very high cost, will be repaired and maintained locally at cheaper rates. An outlay of Rs. 50.00 lakh, and Rs. 0.50 lakh has been provided for the Seventh Five Year Plan (1985—90) and Annual Plan (1985-86) respectively for establishment of Health Equipment/Repairs and Maintenance Units at all the districts.

12.19. In order to strengthen the Health Statistical Organisation, in the Directorate, an outlay of Rs. 15.00 lakh and Rs. 0.90 lakhs has been provided for the Seventh Five-Year Plan (1985—90) and Annual Plan (1985-86) respectively. It is proposed to control spread of Diarrhoea disease mostly among the children below the age of three years and adult by administering rehydration powder to suffering patients. This scheme was started during 1981-82. Outlays of Rs. 15.50 lakh and Rs. 2.50 lakh has been provided for the Seventh Five-Year Plan (1985—90) and Annual Plan (1985-86) respectively for the purpose of distribution of rehydration powder.

12.20 In order to boost Family Welfare Programme and reduce birth rate, it is proposed to provide additional incentive of Rs. 50 to each acceptor of sterilisation out of the State plan funds for this purpose. Outlays of Rs. 300.00 lakh and Rs. 65.00 have been provided for the Seventh Five-Year Plan (1985—90) and Annual Plan (1985-86) respectively.

12.21 Indian System Medicine

Against the approved outlay of Rs. 165.00 lakhs for the Sixth Plan an allocation of Rs. 96.00 lakhs for 7th Five-Year Plan and Rs. 15.00 lakhs for the Annual Plan has been provided.

I.S.M. Dispensaries

12.22 The existing I.S.M. Dispensaries which continue to be illequipped because of paucity of funds will be developed by providing additional medicines worth Rs. 4,000 per dispensary per year and furniture/equipment worth Rs. 2,000 per dispensary. For this purpose an outlay of Rs. 12.12 lakh has been provided for 7th Five-Year Plan out of which Rs. 3.20 lakh has been provided for the year 1985-86. An other sum of Rs. 32.14 lakh has been earmarked for the opening of 50 New Ayurvedic Dispensaries at the rate of 10 dispensaries per year during the Seventh Five-Year Plan period. A sum of Rs. 3.24 lakh has been provided for the year 1985-86.

12.23 The Government Ayurvedic Pharmacy at Patiala is functioning in an old dilapidated building/declared unfit for human inhabitation. An allocation of Rs. 41.00 lakhs and Rs. 5.56 lakh is suggested for Seventh Five-Year Plan period and Annual Plan 1985-86 respectively for construction of building for this pharmacy. A sum of Rs. 10.74 lakh is being earmarked for providing some staff at State Headquarter/District Headquarter of the Ayurvedic Directorate in the 7th Five-Year Plan

Homoeopathic System of Medicine

12.24. Against the approved outlay of Rs. 40.00 lakhs Sixth Plan period, an allocation of Rs. 115.00 lakh is being provided for 7th Five-Year Plan touching the following objectives.

Strengthening of Head Quarter Staff

12.25 The strengthening of Headquarter staff will be done by providing a post of Deputy Director

along with ministerial staff at a cost of Rs. 10.30 lakh for the 7th Five-Year Plan period a sum of Rs. 0.45 lakhs is set aside for 1985-86 for this purpose.

Opening of Homoeopathic Dispensaries/Hospital in the State

12.26 A sum of Rs. 90.00 lakh has been provided for the opening of 75 new Homoeopathic Dispensaries at the rate of 15 dispensaries per year during the Seventh Five-Year Plan period. A sum of

Rs. 10.05 lakhs has been provided for the year 1985-86. A ten bedded Homoeopathic Skin and Cancer Hospital is proposed to be opened at Jalandhar. The building for the hospital will be provided by Shaheed Asha Ram Memorial Committee, Guru Ravi Dass Mandir, Basti Denish Mandan, Jalandhar. A provision of Rs. 14.70 lakhs has been provided for the Seventh Five-Year Plan out of which a sum of Rs. 4.50 lakhs has been earmarked for the year 1985-86.

Norms

Serial No.	Name of the Institution	No. of Institutions upto 1984-85	Staff Norm	Approximate cost of construction (Rs. in lakhs)	Recurring cost and Non-recurring cost excluding Building							
1	Sub-Centres	2603	One Male Worker One Female Worker	1.00	Salary	8000						
					Medicine	3000						
					Total	11000						
					M&E	3000						
2	Subsidiary Health Centre	1576	One Doctor One Pharmacist Two Class IV One A.N.M.	Rs. 2.50 lakh for first phase and total building Rs. 6.00 lakh	Salary	50000						
					Medicine	15000						
					Total	65000						
					M&E	10000						
3	Primary Health Centres	130	Doctor Pharmacist A.N.M. L.H.V. and allied staff for one P.H.C. for over 30000 population	2 2 9 2 lakh for new proposed PHC (Plan under purposed)	Rs. 15.00 lakh	Salary	1.25 lakh					
					(old PHC)	Medicine	0.25 lakh					
					Rs. 80.00	M&E	1.20 lakh					
					to 110.00	Total	2.70 lakh					
					lakh for new proposed PHC (Plan under purposed)							
4	25-30 bedded Hospital	111	M.O. Sister Incharge Pharmacist Staff Nurses Lab. Tech. Radiographer Other Staff	2 1 3 4 1 1 15	Rs. 30.00 lakh and Rs. 20.00 lakh (excluding cost of existing S.H.C.)	Salary	2.00 lakh					
						Medicine	0.50 lakh					
						M&E	2.50 lakh					
						Total	5.00 lakh					

ANNEXURE
PUBLIC HEALTH AND SCHEDULE

A. Population (1981 Census)

	Rural	Urban	Total	
(i) Population (in lacs)	121.41	46.48	167.89	
(A) Males	64.44	24.93	89.37	
(B) Females	56.97	21.55	78.52	
(ii) Density per sq. Km.	247	3,875	333	
(iii) Decennial Growth Rate (1971—81)	+17.48	+44.51	+23.89	
(iv) Expectation of life at birth (1981—85)				
(a) Males	..	..	58.5
(b) Females	..	..	57.9
B. Vital Rates :—				
(i) Birth Rate	.. 1982	30.9	28.7	30.4
	1983	30.7	28.8	30.2
(ii) Death Rate	1982	9.1	6.4	8.4
	1983	10.3	7.3	9.5
(iii) I.M.R.	.. 1982	74.4	44.8	67.1
	1983	73.2	65.9	71.4

Sanctioned posts of Medical and Para-Medical staff as on 1st April, 1984

Serial No.	Name of the post (Plan & non Plan)	Number
I. Doctors—		
(i)	P.C.M.S.M-I	.. 314
(ii)	P.C.M.S.-II	.. 3,178
(iii)	Dental Officers I & II	.. 184
2	Pharmacists	.. 2,613
3	Nursing staff	.. 2,675
6	Lady Health Visitors	.. 772
5	A.N.M.	.. 3,465
6	Radiographers	.. 223

No. of Doctors working in Rural Areas as on 1st April, 1985

Doctors	Sanctioned	In Position
P.C.M.S.-I	.. 178	178
P.C.M.S.-II	.. 2,040	1,660
Total Doctors in Rural Areas	.. 2,218	1,830
Population in Rural Areas (1981)	.. 121.41 lakhs	
Population served per Doctor	.. 5,474	

Number of Medical Institutions (Allopathic) as on 31st March, 1985

Serial No.	Name of the Institutions	No. of existing Institutions	Proposed Target	
			7th Plan 1985—90	Annual Plan 1985—86
1	2	3	4	5
1	Hospitals (Rural 25/30 bedded)	111	..	..
2	Primary Health Centre	130	200	40
3	Dispensaries/Subsidiary Health Centres	1,576	..	..
4	Sub-Centres	2,603	250	50
5	Community Health Centres	10	50	10
1	Ayurvedic Hospitals	3	..	..
2	Ayurvedic Dispensaries	469	50	10
3	Homoepathic Dispnesaries inthe State	50	75	15

Source : D. H. S. Punjab.

CHAPTER XIII

Water Supply and Sewerage

(a) Rural Water Supply and Sanitation

The problem of safe drinking water supply is more acute in the rural areas, where source of drinking water is unhygienic 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 assured sources of drinking water within a reasonable distance (1.6 km. or within a depth of 15 metres) ; or
- (ii) the villages where the source of water supply is endemic to water borne diseases like Cholera and Guinea Worms; or
- (iii) the villages which suffer from excess salinity, iron or flouride from its water supply.

13.2. There are 12,188 inhabited villages in the State out of which 3,712 villages have been identified as problem villages, which fall in the category of scarcity villages under the above mentioned criteria laid down by Government of India in this respect.

13.3. Over the years the design criteria for the rural water supply have been made more liberal. In the beginning the schemes were designed with a water allowance of 5 gallons per head per day and there was to be practically no distribution system. Water Supply was to be given through a battery of taps close to the water works. In 1961, the design criteria was increased to water allowance of 10 gallons per day per head with terminal pressure of 5 metres and a skeleton distribution system catering to public stand posts only. In 1976 the criteria was further liberalised to 15 gallons (70 litres) per head per day and terminal pressure of 8 metres. According to revised criteria the augmentation of water supply to the already commissioned villages alone require more than Rs. 40.00 crores. Year-wise expenditure incurred since 1974-75 is given below :—

Minimum Needs Programme

Year	Expenditure (Rs in crores)
One the eve of Fifth Plan	12.58
1974-75	3.98
1975-76	3.68
1976-77	4.14
1977-78	5.34
1978-79	4.03
1979-80	4.81
1980-81	3.37
1981-82	4.27
1982-83	3.78
1983-84	5.94
1984-85	9.91
Total	65.83

Accelerated Rural Water-Supply Scheme (Government of India Scheme)	
Year	Expenditure (Rs. in crores)
1978-79	2.45
1979-80	0.75
1980-81	0.46
1981-82	1.71
1982-83	0.86
1983-84	3.34
1984-85	4.96
Total	14.53
Grand Total	80.36

Physical progress of the Rural Water-Supply programme is given below :—

	No. of villages	
	Commissioned	Work in progress at the end of the year
Up to 1973-74	524	1,033
1974-75	317	762
1975-76	347	704
1976-77	284	555
1977-78	202	563
1978-79	136	663*
1979-80	135	430
1980-81	80	444
1981-82	50	593
1982-83	77	516
1983-84	165	351 tentative
1984-85	165	N.A.
Total	2482	

*Includes certain Tikas hemlets, which were part of the revenue village, but were counted as separate villages earlier.

12.4. Water Supply was commissioned in 2482 villages by the end of 31st March, 1985. So in the beginning of Seventh Five-Year Plan only 1230 problem villages will remain uncovered. It has been discovered recently that a large number of villages could not be included in the list of problem villages. Fresh survey in this respect has been initiated in the State. During 1985-86, an outlay of Rs. 10.00 crores has been provided to cover 165 additional villages under this programme.

13.5. For Seventh Five-Year Plan, an outlay of Rs. 70.00 crores is provided under M.N.P. 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 assistance to all States is available for this important programme.

13.6. An outlay of Rs. 2.50 crores has been provided for low cost sanitation for providing flush type latrines in the rural areas for mitigating the problem faced especially by women in this respect. Details of the scheme are being worked out to make the scheme effective in rural areas. During 1985-86 a token provision of Rs. 0.01 lakh has been made for this purpose.

Urban Water Supply and Sewerage

13.7. There are 134 towns in the State having population of 52.40 lakhs (March, 1984). Out of these water supply in part of 89 towns covering a population of about 36.36 lakhs and sewerage in part of 72 towns covering a population of about 17.12 lakhs introduced upto March (31st March, 1984), Government of India has indicated that piped water supply and under-ground sewerage may be provided to the entire population of the State during International Water Supply and Sanitation Decade i.e. 1981-90. The following Targets have been specified :—

- | | |
|---|-----------------------------------|
| (a) Water Supply in Urban areas | 100% |
| (b) Sewerage and Sewage treatment facilities in urban areas | 100% coverage in Class-I Towns |
| | 50% coverage in other towns |
| | overall 80% coverage in all towns |

13.8. The Punjab Water Supply and Sewerage Board, which is implementing these schemes in urban areas would require 313 crores (Rs. 135.00 crores for Water Supply and Rs. 178.00 crores for Sewerage) for

this purpose. During 7th Five-Year Plan 1985-90 the net requirement of funds by the Board was Rs. 222.00 crores, but only an outlay of Rs. 58.00 crores has been provided for this purpose. The main provision (Rs. 29.50 crores under this sub-head is provided for setting up sewage treatment plants in 8 towns, where IDA assisted supply and sewerage project has been completed during Sixth Plan period. The project is proposed to be implemented with IDA assistance and correspondence in this respect has already been initiated.

13.9. During Sixth Five-Year Plan, an expenditure of Rs. 51.45 crores was incurred during the period 1980-84 for providing water supply and Sewerage facilities in the State. During 1984-85, an expenditure of Rs. 4.96 crores has been incurred for the implementation of Urban Water Supply and Sewerage Schemes in the State. An outlay of Rs. 5.51 crores has been provided for 1985-86 for the implementation of Sewage Treatment Plants and other Water Supply and Sewerage Schemes in the State. Scheme-wise outlay for Seventh Five-Year Plan and Annual Plan 1985-86 are provided as under :—

Name of the Scheme/Project	(Rs. in lakhs)	
	Provision	
	1985-90	1985-86
1	2	3
1. L.I.C. Water Supply and Sewerage Project (3rd Package)—		
(i) L.I.C. Loan	670.00	140.00
(ii) Government of Punjab (Loans to M.C's)	200.00	40.00
Total	870.00	180.00
2. HUDCO Aided Water Supply and Sewerage Project	130.00	—
3. Other Water Supply Schemes	800.00	170.00
4. Other Sewerage Schemes	800.00	125.00
5. Setting up of composite plants	70.00	20.00
6. Sewage Treatment Plants	2950.00	20.00
7. Urban Solid waste Disposal	50.00	10.00
8. UNDP Project for Low Cost Sanitation	87.00	24.97
9. Water and Air Pollution Control	3.00	0.03
Grand Total	5760.00	550.00

13.10. An equity of Rs. 8.00 crores was to be provided to the Water Supply Sewerage Board, as bridge finance/working capital for implementation of IDA assisted water supply and sewerage project in 8 towns of the State, out of which Rs. 6.58 crores was already provided upto 31st March, 1984. An additional amount of Rs. 25.00 lakhs has been provided during 1984-85 for this purpose. An additional amount of Rs. 40.00 lakhs is being provided during the Seventh Five-Year Plan 1985-90 out of which Rs. 1.00 lakh has been provided for this purpose during 1985-86.

World Bank Project

13.11 The World Bank Aided Water Supply and Sewerage Project has been completed in 8 towns of the State namely Amritsar, Ludhiana, Jullundur, Patiala, Bhatinda, Rajpura, Pathankot and Moga at a cost of Rs. 66.70 crores during Sixth Five-Year Plan. This project according to the agreements with IDA was scheduled to be completed by March, 1982, but due to delay in signing of agreements and the shortage of inputs the completion of Project was delayed and is likely to be completed by the end of Sixth Five-Year Plan. The financing pattern of this project is given below :—

I.D.A. (35%)	22.61 crores
State Government Share (15%)	10.07 crores
L.I.C. (20%)	13.00 crores
Municipal Corporation/ Committee (30%)	21.02 crores
Total	66.70 crores

13.12. Out of Rs. 32.68 crores (Rs. 22.61 crores Rs. 10.07 crores I.D.A. and Government of Punjab Shares) an amount of Rs. 8.60 crores (Rs. 0.60+Rs. 8.00 crores) was provided during 1978-79 and 1979-80. During 1980-81, additional amount of Rs. 11.60 crores (including L.I.C. loan of Rs. 331.00 lakhs was provided to the Board. These amounts have already been expended.

13.13. During 1981-82, an additional amount of Rs. 94.00 lakhs (as IDA and Govt. of Punjab share) have been expended for this project. Out of a provision of Rs. 13.00 crores, which included Rs. 360.00 lakhs as L.I.C. share. During 1982-83, an expenditure of Rs. 9.29 crores (including L.I.C. loan of Rs. 2.70 crores and Rs. 0.20 crores as loan to M. C's.) has been incurred on this project. Since the total amount of I.D.A. loan and Govt. of Punjab share for the project was provided to Punjab Water Supply Sewerage Board by the end of 1982-83, no provision for this project was made during 1983-84 and 1984-85. The L.I.C. has released a loan of Rs. 11.36 crores upto March, 1984 against the total loan amount of Rs. 13.00 crores to be provided by it for this project. The Municipal Corporations/Committees are also likely to contribute their full share by the end of Sixth Five-Year Plan. The information in this respect is still awaited.

13.14. Out of the total requirement of Rs. 8.00 crores to be provided as an equity for the project,

Rs. 6.58 crores were provided to Water Supply Sewerage Board upto March, 1984. During 1984-85, a provision of Rs. 25.00 lakhs was made for this purpose. The project was at an advanced stage of completion and was likely to be completed by 31st March, 1985. The details are still awaited.

Setting up of Sewage Treatment Plants

13.15. The completion of above mentioned Water Supply and Sewerage Project in 8 Municipal towns of the State has created health and sanitation problem in the State without the setting up of Sewage Treatment Plants. As such the proposal to set up 8 Sewage Treatment Plants in these towns as subsidiary to the above mentioned project was sent to Govt. of India for including this project costing Rs. 45.00 crores in pipeline for IDA assistance. The lack of proper disposal and Treatment of Sewage in the towns it is feared, may make the investment of Rs. 66.70. crores in the abovementioned project futile as instead of improving the health and sanitation facilities as in these towns, it may create serious health and sanitation problems in these towns and the surrounding areas. It was, therefore, decided that Sewage Treatment Plants in 8 towns may be set up on priority basis. The World Bank Team, which visited the State for reviewing the progress of water supply and sewerage project also agreed that this project which is subsidiary of the main project may be set up immediately to safeguard the population from any subsequent problems. Spade work for implementing this project has already been initiated and expenditure of Rs. 10.00 lakhs was incurred during 1983-84 for this purpose. An outlay of Rs. 10.00 lakhs has been provided during 1984-85 for continuing the programme. The cost of the project is estimated to be Rs. 45.00 crores in the first instance. The financing pattern of the project with IDA assistance is expected to be the same as in the case of Water Supply and Sewerage Project. Accordingly, an outlay of Rs. 2950.00 lakhs has been provided for setting up of 8 sewage treatment plants during Seventh Five-Year Plan period. The final provision and releases for this project will be decided after the finalisation of agreement with World Bank. in the meantime for continuing the spade work of the project, an outlay of Rs. 20.00 lakhs has been provided for 1985-86.

L.I.C. Project

13.16. Beside the I.D.A. project, LIC had sanctioned 27 Water Supply and Sewerage schemes to be implemented at an estimated cost of Rs. 12.00 crores with a loan of Rs. 8.00 crores from LIC. The financing pattern of the scheme is that LIC provides loan to the extent of 2/3rd of the project cost and the balance amount is contributed by the concerned Municipal Committee.

13.17. During 1980-84, an amount of Rs. 9.70 crores (Rs. 6.40 crores as LIC loan and Rs. 3.30 crores as Punjab Government loan to M.C's) was expended for this purpose. In Annual Plan 1984-85, a sum of Rs. 100.00 lakhs was provided to the board for this purpose (Rs. 67.00 lakhs loan

from LIC and Rs. 33.00 lakhs loan from State to M.C.) During Seventh Five-Year Plan an outlay of Rs. 8.70 crores (Rs. 6.70 crores loan from LIC and Rs. 2.00 crores loan from State to M.C's) has been provided for LIC project (3rd package) for implementing Water Supply and Sewerage Project in additional 37 towns of the State. During 1985-86, an outlay of Rs. 180.00 lakhs (Rs. 140.00 lakhs LIC loan + Rs. 40.00 lakhs State Loan to M.C's) has been provided for these Water Supply and Sewerage Schemes. The towns covered under this scheme and the estimated cost of water supply and sewerage is given in Annexure-I and II.

Other Water Supply and Sewerage Schemes

13.18. During 1980-84, an expenditure of Rs. 405.00 lakhs (Rs. 230.00 lakhs and Rs. 175.00 lakhs respectively for water supply and for Sewerage Schemes) was incurred in 35 towns not covered under IDA and LIC projects. This programme was given a step up after the completion of World Bank Project and a sum of Rs. 375.00 lakhs (Rs. 250.00 lakhs for water supply and Rs. 125.00 lakhs for sewerage) was provided for 1984-85.

13.19. During Seventh Five-Year Plan, an outlay of Rs. 1600.00 lakhs (Rs. 800.00 lakhs water supply + Rs. 800.00 lakhs for Sewerage Schemes) has been provided for Non-IDA / NonLIC schemes in the State. During 1985-86, an outlay of Rs. 295.00 lakhs (Rs. 170.00 lakhs for water supply + Rs. 125.00 for Sewerage) is being provided for this purpose. It will also be ensured that the State loan to M.C's will be sanctioned according to their paying capacity of the loan amount. Water Supply and Sewerage Board will be submitting these schemes to LIC for loan assistance in respect of these schemes also. In addition a tentative amount of Rs. 130.00 lakhs has been provided in Seventh Five-Year Plan for raising loan from HUDCO for water supply and Sewerage Schemes in the State.

Sewage Sullage Utilisation

13.20. The Govt. of India sanctioned 65 (61+4) schemes costing Rs. 6.00 crores (Rs. 3.45 crores + Rs. 2.55 crores) with a central subsidy of Rs. 199.39 lakhs (Rs. 115.00 lakhs + Rs. 84.39 lakhs) under a Centrally-sponsored schemes, which was subsequently transferred to the State. Under this scheme 1/3rd subsidy is to be released on the basis of actual expenditure incurred by the M. C's. During 1980-83, Rs. 60.00 lakhs were expended, in order to meet the liability of subsidy on this account. An additional amount of Rs. 30.00 lakhs was provided to meet the liability of subsidy due on the above mentioned schemes in 1983-84. During 1984-85, an amount of Rs. 7.70 lakhs was provided for

completing the total liability of the schemes sanctioned by Govt. of India. The scheme is not proposed to be continued during Seventh Five-Year Plan and no provision has been made for this purpose.

U.N.D.P. Project for Low Cost Sanitation

13.21. The State Govt. has selected 6 towns namely Baretta, Mansa, Budhlada, Lehragaga, Jaitu and Maur for covering these towns under low cost sanitation programme. Door to door survey for the preparation of the feasibility report has been conducted in these towns. Water table in these towns has also been checked by the Sewerage Board to be so low, as to avoid pollution due to the implementation of this scheme. During 1983-84, an expenditure of Rs. 11.00 lakhs was incurred for this purpose. An outlay of Rs. 13.30 lakhs has been provided for this programme during 1984-85. This scheme is proposed to be continued in selected area after verifying the utility of the scheme in that area and after ensuring that pollution of water is not caused by the implementation of the scheme. An outlay of Rs. 87.00 lakhs has been provided for this purpose during Seventh Five-Year Plan 1985-1990. An outlay of Rs. 24.97 lakhs has been provided for continuing the scheme in above mentioned six towns during 1985-86.

Setting up of Mechanical Compost Plants

13.22. During Seventh Five-Year Plan, an outlay of Rs. 70.00 lakhs has been provided for providing loans assistance to M.C's/Corporation for setting up Mechanical compost plants in major towns of the State. An outlay of Rs. 20.00 lakhs has been provided for this purpose during 1985-86.

Urban Solid Waste Disposal

13.23. An outlay of Rs. 50.00 lakhs has been provided, during Seventh Five-Year Plan period for 'Urban Solid Waste Disposal', for improving sanitation in 20 M.Cs. in the State. An amount of Rs. 10.00 lakhs has been provided for this purpose during 1985-86.

Water and Air Pollution Control

13.24. Token provision of Rs. 3.00 lakhs has been made for construction of building, purchase of equipment for setting up laboratories to control water and Air Pollution in the State during Seventh Five-Year Plan 1985-90. The details of this scheme are being worked out by the department. Final provision will be made after examining the detailed proposal. During 1985-86, also a token provision of Rs. 0.03 lakhs has been made for this purpose.

ANNEXURE I

List of Water Supply and Sewerage Schemes sanctioned by L.I.C. and being implemented in the State (2nd Package)

(Rs. in lakhs)

Serial No.	Name of Schemes	Estimated Cost of the Scheme		
		Water Supply Scheme	Sewerage Scheme	Total
1	2	3	4	5
1	Ahmedgarh	26.43	—	26.43
2	Barnala	28.06	19.44	47.50
3	Batala	63.61	62.60	126.21
4	Budhlada	31.51	—	31.51
5	Doraha	6.68	—	6.68
6	Ferozepur	5.74	71.07	76.81
7	Dhuri	27.00	—	27.00
8	Fazilka	32.91	47.36	80.27
9	Gurdaspur	22.62	37.51	60.13
10	Jagraon	10.93	20.48	31.41
11	Jaitu	25.40	—	25.40
12	Jandiala	29.82	—	29.82
13	Khanna	22.47	31.50	53.97
14	Kurali	23.96	—	23.96
15	Kapurthala	79.44	—	79.44
16	Malout Mandi	82.73	—	82.73
17	Malerkotla	20.27	28.98	49.25
18	Mukerian	29.81	—	29.81
19	Nakodar	35.98	—	35.98
20	Patran	16.15	—	16.15
21	Quadian	34.40	—	34.40
22	Raman Mandi	36.26	—	36.26
23	Rampura Phul	10.95	20.87	31.82
24	Sangrur	22.43	28.30	50.73
25	Sunam	32.90	20.35	53.25
26	Talwandi Bhai	5.95	—	5.95
27	Zira	7.59	—	7.59
Total		818.00	388.46	1206.46

ANNEXURE II

List of Water Supply and Sewerage Schemes for 3rd Pkg. (LIC. Project)

(Rs. in lakhs)

Serial No.	Name of Town	Estimated Cost of the Scheme		
		Water Supply	Sewerage	Total
1	2	3	4	5
1	Dharamkot	11.59	—	11.59
2	Machhiwara	4.30	—	4.30
3	Bhawanigarh	27.00	—	27.00
4	Majitha	34.00	—	34.00
5	Tanda Urmar	30.00	—	30.00
6	Dasuya	44.00	—	44.00
7	Sri Hargobindpur	25.11	—	25.11
8	Mullanpur	24.00	—	24.00
9	Dhariwal	21.36	—	21.36
10	Tarn Taran	62.16	70.00	132.16
11	Nabha	24.80	25.00	49.80
12	Raikot	8.13	5.00	13.13
13	Jallalabad	10.60	—	10.60
14	Goniana	26.19	—	26.19
15	Pathankot	14.38	55.00	69.38
16	Garh Shankar	15.00	—	15.00
17	Gardhiwala	15.00	—	15.00
18	Sirhind	17.38	—	17.38
19	Kharar	15.00	—	15.00
20	Dera Bassi	15.00	—	15.00
21	Hoshiarpur	20.00	—	20.00
22	Gobindgarh	15.00	—	15.00
23	Patiala	20.00	—	20.00
24	Patran	—	25.00	25.00
25	Samana	—	30.00	30.00
26	Ahmedgarh	—	35.00	35.00
27	Dhuri	—	50.00	50.00
28	Dhanaula	—	30.00	30.00
29	Doraha	—	10.00	10.00
30	Samrala	—	10.00	10.00
31	Zira	—	15.00	15.00
32	Fatehgarh Churian	—	10.00	10.00

(Rs. in lakhs)

Serial No.	Name of Town	Estimated Cost of the Schemes		
		Water Supply	Sewerage	Total
1	2	3	4	5
33	Qadian	—	10·00	10·00
34	Mukerian	—	10·00	10·00
35	Malout	—	70·00	70·00
36	Jandiala	—	10·00	10·00
37	Faridkot	—	30·00	30·00
Total		500·00	500·00	1000·00

STATEMENT WS-I
Urban Water Supply and Sanitation Schemes—Annual Plan 1985-86

(Rs. in lakhs)

Sr. No.	Name of the Individual Project	Location and Brief Objectives and scope of the Project and year in which project was started	Estd. cost	Actual Expdr. upto the end of fifth plan	Actual Expdr. upto 31-3-84 (including) Col. 5)	Likely expdr during 1984-85		L.I.C. loan			
						State Plan- resources	Other resources	Total to be availed of	Availed upto 1983-84	Required 1985-90	Required 1985-86
1	2	3	4	5	6	7	8	9	10	11	12
1.	Pb. Water Supply and Sewerage Project (IDA Project)	8 cities/towns namely, Amritsar, Jullundur, Ludhiana, Patiala, Rajpura, Bhatinda, Pathankot and Moga Project started during Feb. 1978 (1978-79). The Project aims to augment water supply and sew. in 8 towns mentioned, above	6670.00	986.00	6025.78	—	644.22	1300.00	1135.69	—	—
2.	Water Supply of 9 towns covered under LIC 1st package	9 towns namely Mansa, Srihind, Samana, Gidderbaha Phillaur, Phagwara, Lehragaga, Kotkapura and Hoshiarpur	481.49	314.57	461.88	—	19.61	325.00	325.00	—	—
3.	Water Supply and sewerage Schemes of 27 towns covered under LIC 2nd package	27 towns mentioned in Annexure 'I' The Project started during April, 1981. It aims to augment W/S in 27 towns and sewerage in 11 towns of the State as mentioned in Annexure I	1206.46	—	970.43	33.00 (GOP loan)	203.00	804.00	804.00	—	—
4.	LIC (3rd pkg.)	Under process	—	—	—	—	67.00 LIC 13.00 MCs <hr/> 80.00	—	—	670.00	140.00
5.	Continuing W/S Schemes (Non-IDA and Non-LIC)	Throughout Punjab	1800.85	Not available	1170.95	250.00	250.00 (GOP) 50.00 (MC) <hr/> 300.00	—	—	800.00 (GOP loan)	170.00 (GOP loan)
6.	Continuing Sewerage Schemes (Non IDA Non-LIC)	Ditto	2120.07	Ditto	1114.05	125.00	125.00 (GOP) 75.00 (MCs) <hr/> 200.00	—	—	800.00 (GOP loan)	125.00 (GOP loan)
	Sewerage/Sullage Utilisation Schemes	64 towns of the State. The Project is to step up the utilisation of mental resources and utilise sewage for agricultural purposes.	600.47	137.42	363.23	7.70	7.70(GOP) 15.00(MCs) <hr/> 22.70	—	—	—	—
8.	Setting up of Mechanical Compost Plants	3 towns namely, Ludhiana, Jullundur, and Amritsar.	192.00	—	—	—	—	—	—	70.00 (GOP loan)	20.00 (GOP loan)
9.	Setting up of Sewage Treatment Plants in 8 towns covered under on going IDA Project	8 towns namely, Amritsar, Jullundur, Patiala, Ludhiana, Rajpura, Bhatinda Moga and Pathankot	4500.00	—	—	10.00	2.50	—	—	900.00	20.00
10.	UNDP Project covering 6 towns of the State	1. Baretta, 2, Mansa, 3, Budhlada, 4, Maur, 5, Lehragaga and 6. Jaitu	—	—	—	13.30	—	—	—	87.00 (GOP loan)	24.97 (GOP loan)

CHAPTER-XIV

URBAN DEVELOPMENT AND HOUSING

Urban Development

14.1. The economic development of the State and the resultant rural and urban prosperity has accentuated the urbanisation process and migration of population from rural to urban areas. In 1981 census the population of the State was 1.66 crores, which is expected to increase to 200 lakhs by 1991. It is estimated that the trend of urban population growth will be 44.1 per cent during the period 1981—90. Accordingly, the annual increase in urban population will be 2 lakh persons during 1981—90. During 1980—84, an expenditure of Rs. 2407.41 lakhs was incurred. An anticipated expenditure of Rs. 852.70 lakhs has been incurred in Annual Plan 1984-85 for this sub-head.

14.2. In order to check disequilibrium between the pace of urbanisation and urban facilities/civic amenities, a provision of Rs. 4075 lakhs has been made for various schemes of urban development during Seventh Five-Year Plan 1985-80, which together with institutional, municipal and other sources should achieve substantial results. An outlay of Rs. 818.00 lakhs has been provided for 1985-86 under various programmes of Urban Development.

Urban Estates

14.3. The development of Urban Estates involves the acquisition and development of land by providing infrastructural facilities and public amenities. To speed up the development in this field by availing institutional finance and for making the scheme self-financing, it has been proposed to constitute an Urban Development Authority for the co-ordinated acquisition and development of land activity in the urban area of the State. It will, however, take some time before the Urban Development Authority takes its final shape. During 1980—83 an expenditure of Rs. 1079.16 lakhs was incurred for the acquisition of 263 acres & development of 595 acres of land. During 1983-84, 380 acres of additional land was developed with an expenditure of Rs. 229.00 lakhs. During 1984-85, an outlay of Rs. 669.00 lakhs was provided for acquisition of 250 acres and development of 800 acres of semi-developed land. With this development it would be possible to sell 4,000 plots, with an anticipated receipt of Rs. 300 lakhs.

14.4. The department of urban development will be having 969.10 acres of semi-developed and 2,365 acres of un-developed land in the State at the end of sixth five-year plan. An amount of Rs. 40.00 crores is required for the development of this land. It has therefore, been decided to resort to fresh acquisition on a very modest scale during Seventh Five-Year Plan period.

14.5. An outlay of Rs. 2800.00 lakhs has been provided for scheme UD-1 Urban Estates during Seventh Five-Year Plan, for acquisition of 375 acres of land and for development of 1,100 acres of land

(including landscaping and augmentation of water supply in SAS Nagar and for meeting the anticipated decretal liability of already acquired land. An outlay of Rs. 655.00 lakhs has been provided for this scheme during 1985-86 for acquisition (100 acres) and for development (390 acres) of land and for payment of enhanced compensation.

Improvement Trusts

14.6. Improvement Trusts receive contribution from the Municipal Committee at 2 per cent of the latter's revenue. This is an inadequate provision particularly in the case of M. C.'s with weak financial position. Therefore, most of the improvement trusts generally need loan assistance. During 1980—84 an expenditure of Rs. 20.00 lakhs was incurred and during 1984-85, an expenditure of Rs. 8.10 lakhs is anticipated for this purpose. An outlay of Rs. 46.00 lakhs during Seventh Five-Year Plan (1985-90) and an outlay of Rs. 10.00 lakhs during 1985-86 has been provided in this respect.

Integrated Development Programme for Small and Medium Towns

14.7. This is a Centrally Sponsored Scheme under which 50 per cent share is to be provided by the State. An expenditure of Rs. 260.00 lakhs in 1980—84 was incurred for the implementation of this programme in various towns of the State. During 1984-85, an expenditure of Rs. 80.50 lakhs is anticipated for this purpose. The programme will be continued during Seventh Five-Year Plan and an outlay of Rs. 600.00 lakhs has been provided for development of 13 towns under this programme. During 1985-86, an outlay of Rs. 100.00 lakhs has been provided for this purpose.

14.8. In addition for integrated development of bigger towns Amritsar, Jullundur, Ludhiana and Patiala, which were covered under the old Centrally Sponsored Scheme, an expenditure of Rs. 76.00 lakhs during 1980—84 was incurred. An expenditure outlay of Rs. 19.50 lakhs is anticipated during 1984-85.

The programme is proposed to be continued during Seventh Five-Year Plan 1985—90, an outlay of Rs. 69.00 lakhs is provided for this purpose. During 1985-86 an outlay of Rs. 12.00 lakhs is provided in this connection.

Towns and Regional Planning

14.9. This is a staff scheme, for which an expenditure of Rs. 11.25 lakhs was incurred during 1980—83. During 1983-84, an expenditure of Rs. 7.28 lakhs was incurred under this programme. The staff under this scheme is to be engaged in rural sector planning at block level, preparation of plan of hitherto neglected small

towns and preparation of master plans for the towns mushrooming in haphazard fashion along highways and other important roads. An expenditure of Rs. 9.90 lakhs is anticipated for this staff scheme during 1984-85. An outlay of Rs. 50.00 lakhs has been provided for Seventh Five-Year Plan 1985-90 and for 1985-86, an outlay of Rs. 9.00 lakhs is provided for the continuation of this staff scheme.

Environmental Improvement of Slums

14.10 For environmental improvement of slums such as drinking water, pavement of streets, pucca drains, street lights, public urinals and laterines, etc., an expenditure of Rs. 179.00 lakhs was incurred during 1980-83 to give benefit to 1,85,638 persons. An expenditure of Rs. 80.00 lakhs was incurred for this purpose for the benefit of 1,90,616 persons during 1983-84. An expenditure of Rs. 31.00 lakhs has been incurred under this scheme during 1984-85, in order to cover additional population of 45,000 persons. It may be pointed out that the State provision under this scheme as loan to M.C's is supplemented with their own funds also.

14.11 Keeping in view the importance of this programme, an outlay of Rs. 500.00 lakhs has been provided during Seventh Five-Year Plan, to cover additional population of 3 lakhs under this scheme. An outlay of Rs. 31.00 lakhs has been provided for this purpose for benefit of 45000 persons during 1985-86.

Management Training for Urban Development

14.12 During Seventh Five-Year Plan 1985-90, an outlay of Rs. 10.00 lakhs has been provided for imparting training in urban management system to the staff. An outlay of Rs. 1.00 lakh has been provided for this scheme during 1985-86.

Housing

14.13 The provision of shelter for homeless is crucial to the development and improvement of the quality of life of the inhabitants of the State. One of the objectives of the Sixth Five-Year Plan is to reduce substantially the number of absolutely shelterless people and to provide conditions for others to improve their housing environments. Due to enormous increase in population and increased cost of construction there is an acute shortage of housing facilities in the State. The construction activity undertaken during Sixth Plan has touched only a fraction of the problem. In order to check further deterioration in housing shortage, priority in allocation of funds for this sector has been given in line with the objectives of the Approach to the Seventh Five-Year Plan highlighted by Government of India. In order to boost the construction activity in the sector, institutional finance from HUDCO is being raised to supplement the provision in the state plan. An outlay of Rs 71.74 crores is being provided for this sub-head for Seventh Five Year Plan (1985-90), against the outlay of Rs. 57.35 crores approved for Sixth Plan period (1980-85).

14.14 During 1980-83 an amount of Rs. 3030.15 lakhs was spent for this purpose. An additional expenditure of Rs. 1075.22 lakhs was incurred during 1983-84. During 1984-85, an expenditure of Rs. 1243.07 lakhs has been anticipated for this sub-head, out of which Rs. 418.60 lakhs was for the repayment of HUDCO loan instalments. During 1985-86 an outlay of Rs. 1160.00 lakhs has been provided for this sub-head, which includes Rs. 401.00 lakhs for repayment of HUDCO loan liability. The details of important schemes are given as under :—

Houses for Government Servants

14.15 This scheme relates to the procurement of land and construction of houses for Government employees in the State at district/tehsil headquarters and other places. Under this scheme the houses are constructed for various categories of Government servants. The main emphasis is laid to provide accommodation to maximum number in lowest category of employees i.e. 92%. The rest of 8% of the total number of houses are to be provided for the higher categories.

14.16 In order to meet the shortage of residential accommodation for them, it was decided during 1979-80, to avail of the HUDCO loan assistance for this scheme and the activity for construction of houses was transferred to Punjab Housing Development Board. Under this scheme the State Government contributes 30% seed money and the balance 70% loan assistance is raised from HUDCO by the Board. An outly of Rs. 355.00 lakhs was provided during 1979-80 for construction of about 2060 residential houses, 997 flats for Government employees at district/tehsil headquarters and at other places, such as focal points and at Chandigarh.

14.17 Due to late receipt of HUDCO loan assistance, shortage of building materials etc., the Housing Board could only start work on this project during 1979-80, but could not complete the construction of these houses. During 1980-84, an expenditure of Rs. 1012.78 lakhs was incurred for undertaking construction of 2354 houses for Government employees in the state at various places, out of which 64 officer flats at Chandigarh and 732 houses at other places were completed. An additional outlay of Rs. 335.00 lakhs is anticipated for 1984-85 for this purpose and it is expected that 1102 additional houses would be completed by 31st March, 1985. The construction of additional 984 houses has also been undertaken during this year.

14.18 It has been discovered while reviewing the progress of the houses that Housing Board could not complete the construction of targetted houses, during Sixth Plan period with the funds made available to it as seed money and for repayment of HUDCO loan instalments. The main reason for non-completion of these houses is attributed to the fact that HUDCO did not provide matching loan assistance to complete the houses which has resulted in cost escalation of the project cost for completing these houses. This matter is being examined separately. In the meantime an outlay of Rs. 2000.00 lakhs is being provided for

undertaking construction of 1750 houses at various places in the State, tentatively, during Seventh Five Year Plan 1985—90 which includes provision for repayment of HUDCO loan instalments and completion of spill-over works. During 1985-86, an outlay of Rs. 288.00 lakhs has been provided for this programme in order to meet the liability of HUDCO loan instalments and for completion of spill-over works only.

14.19 There is a growing demand for house building advance for the Government servants for construction of their own houses. The upward entitlement of the loan amounts for house building and the increased cost of construction of houses has added new dimension to it. During 1980—83, Rs. 603.04 lakhs were expanded for this purpose for the benefit of 1846 Government employees. An additional expenditure of Rs. 282.35 lakhs was incurred during 1983-84 for provision of loan to 864 additional persons. During 1984-85 an outlay of Rs. 286.30 lakhs was provided under the programme for advancing loan to 944 persons. An outlay of Rs. 1500.00 lakhs has been provided for this purpose for the benefit of 3000 Government employees during the Seventh Five Year Plan. A sum of Rs. 301.00 lakhs has been provided for provision of loan to 600 employees under this scheme during 1985-86. In addition an amount of Rs. 300.00 lakhs during Seventh Five Year Plan (1985—90) and Rs. 65.00 lakhs during 1985-86 has been provided for repairs of houses and purchase of Plots/Built houses. This amount was being provided previously in Non-Plan Budget.

14.20 An outlay of Rs. 175.00 lakhs has been provided for Construction of Houses for Ministers/Speakers/Dy. Speakers/M.L.As. etc. (Ministers/Speakers/Dy. Speakers Rs. 100.00 lakhs and Rs. 75.00 lakhs for M.L.As) during Seventh Five Year Plan, 1985—90. During 1985-86, an outlay of Rs. 50.00 lakhs (Rs. 20.00 lakhs for Minister/Speaker/Dy. Speakers Rs. 30.00 lakhs for M.L.As) has been earmarked for this purpose.

Subsidised Industrial Houses

14.21 Under this scheme residential houses for industrial workers are constructed in the State Sector, cooperative sector and private sector. The Government advances loans to the extent of 65% of the cost of construction of houses in the cooperative sector and to the tune of 50% of the cost of construction of the houses in the private sector. In addition 25% of the cost of the house is given as subsidy. The maximum cost of the house is considered as Rs. 8500.00 for grant of loan and subsidy. There is a growing demand for revision of present cost of Rs. 8500.00 for consideration of loan and subsidy under this scheme in view of the high cost of construction. The houses in the Government sector are constructed through Punjab Housing Development Board.

14.22 A sum of Rs. 10.71 lakhs was expended in 1980—84 for construction of 260 houses for industrial workers in the state in private sector. An expenditure of Rs. 15.00 lakhs is anticipated for the completion of 314 spill-over houses during 1984-85.

14.23 During Seventh Plan period, an outlay of Rs. 75.00 lakhs has been provided for construction of additional 325 houses under this programme in the private sector. An outlay of Rs. 15.00 lakhs has been provided for construction of 50 houses in the private sector during 1985-86 under this Scheme.

Houses for Rural Homeless

14.24 This scheme is covered under the Revised Minimum Needs Programme. The revised minimum needs programme places a high priority on the provision of house sites and assistance for construction of houses for rural homeless workers. About 3 lakhs families of landless workers mostly belonging to Scheduled Castes were allotted free house sites, each site measuring 100 sq. yards, in the rural areas of the State. The work regarding the construction of houses on these sites, was undertaken by the Housing Development Board in 1978 in order to supplement the individual efforts of the beneficiaries. During Sixth Five-Year Plan, an outlay of Rs. 1200.00 lakhs was provided for this purpose. During 1980—84, an expenditure of Rs. 1051.00 lakhs was incurred and the Housing Board completed the construction of 23271 houses upto March, 1984 (1978—84).

14.25 During 1984-85 an expenditure of Rs. 104.17 lakhs has been incurred for the construction of 900 additional houses. It is anticipated that in addition to the individual effort Punjab Housing Development Board will be completing the construction of 24,171 houses by the end of Sixth Plan. During Sixth Five Year Plan, a survey of identification of weaker sections in Punjab was conducted (Reference period Sept.—Dec., 1980) which revealed that there are only 22,187 homeless persons in rural areas of the State and in addition to the individual effort Punjab Housing Development Board would complete the construction of 24,171 houses for these people by the end of March, 1985.

14.26 In view of these facts, no new construction by the Punjab Housing Development Board is being proposed in the Seventh Five Year Plan. The allottees of free house sites will, however, continue to get loan assistance on priority basis, for construction of houses in rural areas, under village housing project scheme. During Seventh Five Year Plan, an amount of Rs. 324.00 lakhs is being provided only to meet the repayment of HUDCO loan liability. An outlay of Rs. 74.00 lakhs has been provided for this purpose during 1985-86.

Loans for LIG Houses

14.27 This scheme is financed by LIC/GIC of India. Under the LIG scheme, loans are sanctioned to individuals, whose income does not exceed Rs. 7,200 per annum. The maximum limit of loan is Rs. 12,500 or 80% of the cost of the houses, whichever is less. For 1980—83, an expenditure of 131.35 lakhs was incurred for provision of loan assistance to 1920 persons under this scheme. During 1983-84 an expenditure of Rs. 10.00 lakhs was incurred for provision

of loan to additional 200 persons under this scheme. A tentative outlay of Rs. 80.00 lakhs was provided during 1984-85, for advancing loan to 1600 additional persons under this programme. This outlay was enhanced with the receipt of LIC/GIC loan.

14.28. During Seventh Five-Year Plan (1985-90) an outlay of Rs. 100.00 lakhs has been provided to provide loan assistance to 1000 persons in the State under this programme. An outlay of Rs. 10.00 lakhs has been provided during 1985-86 for the benefit of 100 persons under this scheme. This outlay will be revised according to the actual receipts of LIC/GIC loan.

Middle Income Group Houses

14.29. Under the MIG housing scheme loans are sanctioned to individuals, whose income exceeds Rs. 7,200 but is less than Rs. 18,000 per annum. The maximum limit of loan is Rs. 25,000 or 80 per cent of the cost of the house, whichever is less. The funds under this scheme are also provided by LIC/GIC. During 1980-83, an expenditure of Rs. 71.35 lakhs was incurred for the benefit of 363 persons. An additional amount of Rs. 10.00 lakhs was expended during 1983-84 to help 50 loanees for the construction of houses under this scheme. A tentative provision of Rs. 10.00 lakhs was made during 1984-85 for 50 beneficiaries under this scheme which was revised on receipt of LIC/GIC loan. L.I.C. loan of Rs. 222.00 lakhs was released to the Board for construction of L.I.G./M.I.G. houses during 1984-85.

14.30. During Seventh Five-Year Plan (1985-90), an outlay of Rs. 70.00 lakhs has been provided for the benefit of 350 persons under this programme. During 1985-86 an outlay of Rs. 10.00 lakhs has been provided for the provision of loan to 50 persons.

Loans for Building Houses in Urban Estates

14.31. Under this scheme loans are advanced to the plot holders in the Urban Estates set up in the State in order to boost construction activity in these Estates. The maximum amount of loan admissible is Rs. 55,000 and minimum is Rs. 15,000. The amount of loan is linked to the size of plot.

14.32. During the year 1980-83, an expenditure of Rs. 62.36 lakhs was incurred to provide loans to 200 persons for construction of houses. During 1983-84, an amount of Rs. 55.90 lakhs was spent for providing loans to 168 persons under this scheme. An expenditure of Rs. 10.00 lakhs has been incurred to provide loan assistance to 60 persons during 1984-85.

14.33. In order to provide relief to those applicants, who are on the waiting list for over a decade, an amount of Rs. 30.00 lakhs has been provided during Seventh Plan (1985-90) for provision of loan to 90 persons. An Annual Plan 1985-86, an outlay of Rs. 7.00 lakhs has been provided to provide loan to 21 persons.

Village Housing Project Scheme

14.34 This scheme was introduced by Govt. of India in 1958-59 for extending 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.

14.35. During 1980-84, an expenditure of Rs. 141.00 lakhs was incurred for advancing loans to 2,844 persons. A tentative outlay of Rs. 10.00 lakhs was provided for granting loan to 200 persons under this scheme during 1984-85 which was likely to be revised according to actual receipt of LIC/GIC loan.

14.36. During Seventh Five-Year Plan, Rs. 100.00 lakhs has been provided to provide financial assistance to 2,000 persons for construction of houses in rural areas of the State. A tentative amount of Rs. 10.00 lakhs has been provided for the benefit of 200 persons under this scheme in Annual Plan 1985-86, which will be reviewed on actual receipt of loan from LIC/GIC.

Housing Development Board

14.37. The Board came into existence in May, 1973. The Housing Board is provided assistance by way of loan for additional construction of various categories of houses e.g., E.W.S., L.I.G., M.I.G. and H.I.G. etc. The Housing Board in addition raises institutional finance for this purpose and meets the liabilities of principle and interest for payment to financial institutions like HUDCO out of advanced deposits/recoveries from the applicants/allottees. During 1980-83, an amount of Rs. 100.00 lakhs was provided as loan to Housing Board for various Social Housing schemes. During 1983-84, an additional loan of Rs. 80.00 lakhs was provided to Punjab Housing Development Board for the construction of these houses. The Housing Board constructed 2289 (E.W.S.—24, L.I.G.—1166, M.I.G.—986 and H.I.G.—193) houses during the period 1980-84. An additional amount of Rs. 80.00 lakhs has been provided for the completion of 3010 (L.I.G. 2214, M.I.G. 646 H.I.G. 150) houses during 1984-85. For boosting construction of social housing, e.g., E.W.S., L.I.G., M.I.G. houses etc., envisaged under 20-Point Programme, an outlay of Rs. 500.00 lakhs has been provided as loan assistance to the Punjab Housing Development Board for construction of 500 LIGH, 1,000 MIGH and 200 HIGH houses under various social housing schemes in order to reduce the acute shortage of housing accommodation in the State. During 1985-86, an outlay of Rs. 80.00 lakhs has been provided as loan to the Housing Board for construction of 300 LIG, 200 MIG and 70 HIG houses under this programme.

Police Housing

14.38. Houses for Police Personnel are also got constructed through the Punjab Housing Development Board with HUDCO loan assistance. During 1980-83, an expenditure of Rs. 442.18 lakhs was incurred for construction of 970 houses and barrack accommodation for 550 persons. The Housing Board completed the construction of only 416 spillover houses during

the period and 970 houses were still under construction. During 1983-84 an additional expenditure of Rs. 185.00 lakhs was incurred and no house could be completed after meeting the repayment liability of HUDCO loan to the extent of Rs. 80.00 lakhs. During 1984-85, an outlay of Rs. 185.00 lakhs has been provided under this programme which includes Rs. 100.00 lakhs for repayment of HUDCO loan liability, Rs. 60.00 lakhs for spillover works with PWD and Rs. 25.00 lakhs to be used as seed money for undertaking new construction. The proposal of the Housing Board for allocation of funds for completing shilover works and for cost escalation charges

is being examined separately.

14.39. During Seventh Plan period, an outlay of Rs. 2,000.00 lakhs has been provided for the construction of 1,250 new houses and barrack accommodation for 1,750 persons. The proposed outlay of Rs. 2,000 lakhs includes the liability for paying the HUDCO loan instalments to the extent of Rs. 700.00 lakhs and Rs. 157.00 lakhs for completing the spill over works of P.W.D. during Seventh Five-Year Plan period. For 1985-86, an outlay of Rs. 250.00 lakhs is provided for completion of spill over works and for construction of barrack accommodation for 550 persons.

WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES

Scheduled Castes and Backward Classes together constitute more than one-third of the State's population. Scheduled Castes alone account for about 27 per cent. This is perhaps the highest percentage for any State in the country. They are spread all over the State in varying proportions. As per 1981 census, about 81 per cent of the total population of the Scheduled Castes live in rural areas as compared to 72 per cent of non-scheduled castes. In rural areas Scheduled Castes are mostly engaged in the agriculture sector and constitute 60 per cent of the total agricultural labour force. Hardly 7.0 per cent of them are cultivators who are mainly small and marginal farmers and share croppers. Others are engaged in traditional occupations such as weavers, leather workers, tanners and flayers and agricultural labourers etc., linked to their castes. In urban areas their population is about 19 per cent and they are mostly engaged in the low income occupations. Literacy rate among them is only 23.86 per cent as compared to 40.86 per cent among non-Scheduled Castes. This percentage among the male population of these castes is 30.96 and as low as 15.67 per cent among the females.

15.2. These facts reveal that the Scheduled Castes are economically, socially and educationally backward in comparison to the general population of the State. Under such circumstances the State Government has endeavoured to take measures for over-all development of Scheduled Castes comprising social, economic and educational fields.

15.3 In the Seventh Five-Year Plan an outlay of Rs. 3500.00 lakhs has been allocated against the outlay of Rs. 3200.00 lakhs in the Sixth Five Year Plan. This provision is for strengthening of continuing programmes for educational advancement, economic uplift and social betterment by adding new schemes and providing more funds. For the year 1985-86, an outlay of Rs. 500.00 lakhs has been provided. Programmewise details are as under :—

Educational Programme

15.4. Education is the basic in-put for bringing about the social and economic transformation of any community. It is much more for the Scheduled Castes who are socially and economically depressed classes and suffer from psychological handicaps as a result of suppression for centuries. Education creates the inner strength and impart confidence to face oppression, humiliation and inequality. To implement various schemes under this programme an outlay of Rs. 1675.00 lakhs has been provided in the Seventh Plan against the provision of Rs. 680.51 lakhs in the Sixth Plan. For the Annual Plan, 1985-86 an outlay of Rs. 244.50 lakhs has been provided against the approved allocation of Rs. 153.50 lakhs in 1984-85.

15.5. Free books and stationery are given to the Scheduled Castes students studying in 6th to 10th classes. In the Seventh Plan, an outlay of Rs. 570.00 lakhs has been set aside to benefit about 10 lakh students. An outlay of Rs. 80.00 lakhs has been allocated to provide free books and stationery to 2.00 lakh students during 1985-86. Under a Centrally Sponsored Scheme 'Grants for the purchase of medical and engineering books' (50:50), the medical and engineering institutions are given grants for the purchase of books for supplying these to Scheduled Castes students studying in these institutions. The outlays of Rs. 10.00 lakhs in the Seventh Plan and Rs. 2.00 lakhs in the Annual Plan 1985-86 has been provided as a State share. It is expected that equal amount will be contributed by the Government of India as its share. Similarly under a State scheme, the institutions teaching Law are provided grants for the purchase of books for the use of Scheduled Castes students. For this purpose, an outlay of Rs. 3.00 lakhs in the Seventh plan has been provided. Five Industrial Training Centres are being run exclusively for the Scheduled Castes. To continue these centres an outlay of Rs. 40.00 lakhs has been provided in the Seventh Plan. In 1985-86, a provision of Rs. 6.00 lakhs is made. These five centres are lacking adequate infrastructure and training is imparted generally in out-dated trades which have low employability potential. It is now proposed to set up an advanced institute to impart training in dynamic and newly emerging technical trades. These five centres will cease to function and are to be shifted in the proposed institute when it becomes fully functional. For the setting up of this advanced Institute, an outlay of Rs. 20.00 lakhs has been provided, in the Seventh Plan and a token provision of Rs. 1.00 lakh in 1985-86. To continue the scheme aiming at providing grants to the Scheduled Castes girls students studying in post-matric and post-graduate classes at the rate of Rs. 40.00 per mensem and Rs. 50.00 per mensem respectively, an outlay of Rs. 143.00 lakhs is allocated in the Seventh Plan. An outlay of Rs. 20.00 lakh has been set apart in the Annual Plan 1985-86.

15.6. The pre-examination coaching for IAS and allied services, State Civil Services, Banking and L.I.C. services, is being imparted in the centre, run at Punjabi University, Patiala. In the Seventh Plan, an outlay of Rs. 25.00 lakhs has been allocated for the coaching programmes. Of which an outlay of Rs. 3.60 lakhs is provided in 1985-86. It has been considered that there is hardly any scope to expand the programmes for coaching in the existing centre at Patiala because of lack of adequate accommodation for hostel etc. To meet this problem, it is proposed to construct a fulfilled residential institute around Chandigarh and the coaching programmes are to be shifted to this institute. An outlay of Rs. 35.00 lakhs has been provided for the construction of this institute in the Seventh Plan. In 1985-86 a token provision of Rs. 0.10 lakh is made. To meet the shortage of qualified Scheduled Castes

stenographers in the State, special training is imparted to the Scheduled Castes candidates with a view to improve their skill. Now it is proposed to run this scheme as Centrally Sponsored Scheme (50 : 50) in the Seventh Plan. In 1985-86 an outlay of Rs. 2.50 lakhs has been provided. It is expected that matching funds will be provided by the Government of India under the scheme "Coaching and Allied schemes". Under another on-going Centrally Sponsored Schemes 'Girl Hostels' (50 : 50) an outlay of Rs. 3.00 lakhs is allocated.

15.7 Grants are given to the Scheduled Castes students studying in medical and engineering institutions whose parents income does not exceed Rs. 12,000 per annum. Under this scheme, an outlay of Rs. 80.00 lakh has been set apart in the Seventh Plan and an outlay of Rs. 14.30 lakhs in 1985-86. The mere enrolment of Scheduled Castes in the educational institutions is not adequate. Unless Scheduled Castes students are enabled to stand on their merit they will not be able to compete with their non-Scheduled Castes colleagues. To inculcate the spirit of competition a new scheme 'Awards to brilliant Scheduled Castes students' has been initiated. Under this scheme, six students (three girls and three boys) will be selected from each educational block on the basis of their merit obtained in 5th standard examination. They will be given scholarship at the rate of Rs. 25.00 per mensem per student during their studies in 6th to 8th classes. Similarly six students (three girls and three boys) will be selected on the basis of their merit obtained in the middle standard examination amongst the Scheduled Castes students of each block. They will also be awarded scholarship at the rate of Rs. 25 per mensem per student during their studies in the 9th and 10th classes. For awarding the scholarships an outlay of Rs. 100.00 lakhs has been provided in the Seventh Plan. In the Annual Plan 1985-86 an outlay of Rs. 14.00 lakh is allocated. Among the Scheduled Castes there are some vulnerable groups who are lagging behind in the field of education. To attract the children of parents engaged in unclean occupations towards schools a new scheme 'Grants to primary students belonging to parents engaged in unclean occupation' has been initiated with an outlay of Rs. 250.00 lakhs in 1985-90. It is expected that the matching contribution is to be provided by the Government of India under the Centrally Sponsored Scheme 'Pre-matric scholarships for those engaged in the so called unclean occupations'. For the year 1985-86 an outlay of Rs. 50.00 lakhs has been provided under this scheme. Two new centrally sponsored schemes (50.50) namely 'Coaching to Scheduled Castes students', and 'Opportunity cost for primary girl students' have been inducted with outlays Rs. 10.00 lakhs and Rs. 374.00 lakhs respectively in the Seventh Plan. It is expected that Govt. of India will also contribute equal amount as its share.

Programme for Economic Uplift

15.8. Economic backwardness among Scheduled Castes is the major factor of their deplorable socio-economic conditions. Under this programme efforts are made to lift them above the poverty line.

15.9. In the Seventh Plan an outlay of Rs.

905.00 lakh is being allocated. For the year 1985-86 an outlay of Rs. 136.50 lakhs has been allocated. A new scheme 'Subsidy for the purchase of land for growing fodder and setting up of industrial units' has been initiated in place of the existing scheme 'Subsidy for the purchase of agricultural land.' The cost of the agricultural land per acre is too high and it is difficult for a poor Scheduled Caste family to arrange funds over and above the amount of subsidy for the purchase of minimum piece of three acres. Because of this reason the deserving Scheduled Caste families are unable to reap the benefit from the existing scheme. Under the new proposed scheme the subsidy will be given for the purchase of even half an acre of land for growing fodder and one kanal for setting up an industrial unit. Another object of the new scheme is to provide incentive for the occupational change. The new scheme has been introduced with outlay of Rs. 100.00 lakhs in the Seventh Plan and Rs. 10.00 lakhs in the Annual Plan 1985-86. Under this scheme 1350 families would be helped in the Seventh Plan and 135 families in 1985-86.

15.10. Two corporations, namely, the Punjab Scheduled Castes Land Development and Finance Corporation and the Punjab Backward Classes Land Development and Finance Corporation (BACK FINCO) are functioning in the State with the primary objective of undertaking the schemes for ameliorating the lot of Scheduled Castes and Backward Classes. These Corporations promote and finance income-generating activities of Scheduled Castes and Backward Classes by providing loans which are either interest free or have a nominal rate of interest. During the Seventh Plan, the Punjab Scheduled Castes Land Development and Finance Corporation has a target to advance interest free loans worth Rs. 45.00 crores inclusive of capital subsidy worth Rs. 15.00 crores, under tie-up arrangement with banks to one lakh families. In addition to this, the Corporation has a target to disburse loans worth Rs. 20.00 crores to 31000 beneficiaries at nominal rate of interest under its direct loaning schemes. Thus the Punjab Scheduled Castes Land Development and Finance Corporation will cover 1.31 lakhs Scheduled Castes families with the loans inclusive of capital subsidy amounting to Rs. 65.00 crores. Similarly the Backward Classes Land Development and Finance Corporation will extent interest free loans amounting to Rs. 10.00 crores under tie-up arrangement with commercial banks to 25000 families. Under this direct loaning programme, 7750 families would be covered with the loans amounting of Rs. 4.75 crores under the Seventh Plan period. For the strengthening of the capital base of the Punjab Scheduled Castes Land Development and Finance Corporation, an outlay of Rs. 255.00 lakhs has been provided in the Seventh Plan and it is expected that the Government of India will contribute in the form of grant-in-aid for share capital to the Corporation to the extent of Rs. 245.00 lakhs. In the year 1985-86, an outlay of Rs. 25.50 lakhs has been allocated as a State share and the Government of India will provide 24.50 lakhs as its share. For the Backward Classes Land Development and Finance Corporation, an outlay of

Rs. 100.00 lakhs has been provided as share capital contribution in the Seventh Plan. In 1985-86, an outlay of Rs. 20.00 lakhs has been provided. To subsidise interest on the loans under the tie-up arrangements, the outlays of Rs. 300.00 lakhs for the Scheduled Castes Corporation and Rs. 145.00 lakhs for the Backward Classes Corporation have been provided in the Seventh Plan. In 1985-86, an outlay of Rs. 80.00 lakhs has been provided for both Scheduled Castes and Backward Classes Corporations.

15.11. Interest free loans are advanced only to the families who are issued "Yellow Cards" To meet the expenditure of printing Yellow Cards, an outlay of Rs. 5.00 lakhs has been provided in the Seventh Plan. Of which an outlay of Rs. 1.00 lakh is to be spent in 1985-86.

Programme for Health, Housing and Other Social Assistance

15.12. Under this programme, emphasis is given for the provision of basic facilities and other amenities with a view to bridging the gap between the conditions of Scheduled Castes and the general population. In the Seventh Plan, an outlay of Rs. 870.00 lakhs has been provided. For the year 1985-86, the funds to the extent of Rs. 114.00 lakhs are provided.

15.13. Scheduled Castes often live in dirty, unclean and unhygienic basties. For this purpose a scheme 'Environmental improvement of Scheduled Castes basties including drinking water units' is in operation. Environmental improvement of Scheduled Castes basties is undertaken through pavement of streets, construction of pucca drains and by providing drinking water facilities. For this scheme the outlays of Rs. 650.00 lakhs in the Seventh Plan and Rs. 82.00 lakhs in 1985-86 are provided. Under the scheme 'Construction of dharamsalas/chaupals' an outlay of Rs. 150.00 lakhs is earmarked in the

Seventh Plan for providing grants of Rs. 10,000 per dharamsala for the construction of dharamsalas. With this provision, the target is to cover about 1500 villages presently without this facility. In 1985-86, an outlay of Rs. 20.00 lakhs is to be utilised for the construction of 200 dharamsalas. Sweepers, scavengers, flayers, and tanners generally live in extremely dirty and unhygienic conditions. Financial assistance in the form of grant at the rate of Rs. 2000 per family was given to them for the construction of houses. In the Seventh Plan, the amount of grant has been enhanced from Rs. 2000 to Rs. 5000 per house. For this purpose, an outlay of Rs. 60.00 lakhs has been allocated in the Seventh Plan to provide grants to 1200 families. In 1985-86, 200 families will be benefitted with the outlay of Rs. 10.00 lakh. The Centrally Sponsored Scheme (50 : 50) 'Removal of Untouchability' has been introduced in the Seventh Plan with outlay of Rs. 10.00 lakhs. Under this scheme, financial assistance will be given to the agencies, social workers and writers to make efforts for the removal of untouchability. The monetary incentives will also be given for the encouragement of inter-caste marriages. It is expected that the Government of India will provide matching contribution under its Centrally Sponsored Scheme 'Implementation of P.C.R. Act'.

Programme for the Welfare of Vimukat Jaties

15.14. Attention is also paid to the welfare of Vimukat Jaties (denotified tribes) as they constitute the lowest strata among the Scheduled Castes population. In order to induce them to settle at a place, subsidy was being given at the rate of Rs. 2000 per beneficiary for the construction of houses. During the Seventh Plan, the amount of grant has been enhanced from Rs. 2000 to Rs. 5000 per house. An outlay of Rs. 50.00 lakhs has been provided for benefitting 1000 families. In 1985-86, an outlay of Rs. 10.00 lakh is to be utilized under this scheme.

CHAPTER XVI

SOCIAL WELFARE AND NUTRITION

Social Welfare includes programmes for the welfare of children, women, the destitutes, the old and infirm, the mentally retarded, the orthopaedically handicapped, the blind, the deaf and dumb and other under privileged and mal-adjusted groups. The programme for the welfare of ex-servicemen is also included under this sub-head. Nutrition programme seeks to remedy mal-nutrition among the pre-school children, pregnant and lactating mothers.

SOCIAL WELFARE

16.2 For the various programmes of the Social Welfare an outlay of Rs. 700.00 lakhs has been allocated in the Seventh Plan against the plan provision of Rs. 507.00 lakhs in the Sixth Plan. This provision is mainly for strengthening the existing programmes with a view to give adequate coverage. In the Annual Plan 1985-86, an outlay of Rs. 120.00 lakhs has been provided. Details of the programmes included under Social Welfare are given below:—

Women and Children Welfare

16.3 To meet the educational and maintenance charges of orphans and destitute children below the age of 16 years while they continue to live with their guardians or parents, financial assistance at the rate of Rs. 50.00 p.m. per child is provided. During the Sixth Plan, 7500 beneficiaries have been covered. The expenditure on these beneficiaries is to be transferred to the Non-Plan Budget. For the additional coverage of 7500 beneficiaries during the Seventh Plan an outlay of Rs. 60.00 lakhs has been provided. During the year, 1985-86, the target is to benefit 1500 children with the outlay of Rs. 11.40 lakh. Under the scheme 'Financial assistance to the widows and destitute women' financial assistance is provided @Rs. 50.00 per month per beneficiary to widows and destitutes below the age of 60 year who have been left without means of subsistence after the death of their husband or deserted by their husbands or whose husbands are physically or mentally incapable of earnings livelihood. By the end of the Sixth Plan, the number of such beneficiaries is expected to about 16,660 and their expenditure will be transferred to non-plan budget. For the additional coverage of 15,000 beneficiaries during the Seventh Plan, an outlay of Rs. 145.00 lakhs is allocated. In the Annual Plan 1985-86 an outlay of Rs. 20.00 lakhs has been provided for the coverage of 3000 beneficiaries.

16.4 Institutional care is also provided to widows and destitute women who are in need of normal care and protection, psychological adjustment, education, technical training and rehabilitation. Such care is provided in Gandhi Vanita Ashram at Jalandhar. In the Seventh Plan an outlay of Rs. 3.00 lakh has been provided for benefitting 300 inmates in this institutions. Under the scheme 'Services for children in need of care and protection, the voluntary welfare organisations are given grants by the Govt. of India and the State

Govt. on (45:45) basis. The remaining 10 per cent is contributed by the voluntary welfare organisations aspirant for the grants. To match state share, an outlay of Rs. 3.00 lakh has been allocated in the Seventh plan. The Govt. of India will also contribute to this extent.

16.5 The building of a certified school complex at Hoshiarpur is under construction. To meet the spill-over requirement an outlay Rs. 50.00 lakhs has been provided in the seventh Plan. An outlay of Rs. 15.00 lakhs is made available in 1985-86.

16.6 The Punjab Women and Children Development and Welfare Corporation is functioning in the State with a view to provide gainful employment to the needy women. This Corporation arranges interest free loans from the Commercial Banks and also disburse loans at nominal rate of interest under its direct loaning schemes. Besides, it also arranges training programme to promote self-employment activities among its beneficiaries. To strengthen the capital base of the Corporation an outlay of Rs. 125.00 lakhs is allocated for share capital contribution in the Seventh Plan. An outlay of Rs. 25.00 lakhs has been provided in the Annual Plan 1985-86. The interest liability of interest free loaning programme is subsidised by the State Government. For this purpose, the outlays of Rs. 25.00 lakhs in the Seventh Plan and Rs. 4.00 lakhs in the year 1985-86 are provided.

Welfare of Handicapped :

16.7. Persons in the age-group 6—16 years who are orthopaedically handicapped or are deaf and dumb or blind and whose parents or guardians earn less than Rs. 500 p.m. are provided scholarships ranging upto Rs. 15 p.m. for the continuation of education and vocational courses. In the Seventh Plan and outlay of Rs. 0.50 lakh has been allocated for scholarships. Under another scheme 'Supply of prosthetic aid to the handicapped, artificial limbs are provided to the handicapped persons with a view to enabling them to lead a normal life. For this scheme, an outlay of Rs. 1.00 lakh is provided in the Seventh Plan. In the Annual Plan 1985-86 an outlay of Rs. 0.15 lakh has been earmarked.

16.8 The disabled persons falling in the age-group 16—55 years are given financial assistance at the rate of Rs. 50.00 p.m. per beneficiary. The expenditure of 3029 beneficiaries covered during the Sixth Plan would be transferred to Non-Plan. For the additional coverage of 7500 beneficiaries an outlay of Rs. 70.00 lakhs is allocated in the Seventh Plan. With the provision of Rs. 9.00 lakh there is a target to benefit 1500 beneficiaries in the year 1985-86.

16.9. Under the scheme 'Aid for the reahbilitation of handicapped' an outlay of Rs. 35.00 lakhs has been allocated in the seventh Plan, for (i) setting up of

a braille library, (ii) vocational and rehabilitation centres for disabled persons (iii) marriage grants to visually handicapped, (iv) award to the handicapped persons who are adjudged the best skilled workers/employees. In the Annual Plan 1985-86, an outlay of Rs. 8.15 lakhs is allocated for this scheme.

Other Programme :

16.10. Grants are given every year to the voluntary welfare organisations/institutions engaged in the welfare of children, women, physically handicapped persons. For this purpose, the outlays of Rs. 10.00 lakhs in the Seventh Five-Year Plan and Rs. 2.00 lakhs in 1985-86 have been provided. The P.G.I. Chandigarh is implementing a comprehensive programme for the rehabilitation of the blind in the Punjab State. The blind persons are imparted training in simple skill with a view to rehabilitate them in the society. The outlay of Rs. 10.00 lakhs in the Seventh Plan and Rs. 2.00 lakhs in the Annual Plan 1985-86 are provided as grant-in-aid for this Institute.

Defence Services Welfare :

16.11. The ex-servicemen form a sizable number of the population in the State. These sons of the soil after spending best part of their lives in the defence of their motherland deserves all help and sympathy for resettling in life. For this purpose, the Punjab Ex-servicemen Corporation has been set up with an authorised capital of Rs. 5.00 crores. This Corporation arranges loans from the commercial banks by providing margin money. The higher rate of interest charged by the banks is fully subsidised for beneficiaries drawing loan upto a maximum of Rs. 20,000 and whose annual income does not exceed to Rs. 5400 p.a. To strengthen the capital base of the Corporation, an outlay of Rs. 102.00 lakhs has been allocated in the Seventh Plan. In the year 1985-86, an outlay of Rs. 20.00 lakhs has been provided as share capital contribution to this Corporation. To meet the interest liability of the commercial banks, an outlay of Rs. 50.00 lakh has been provided in the Seventh Plan.

NUTRITION :

16.12. Proper nutritive diet among the children of the under developed countries like ours is one of the major problems affecting the physical and psychological development of children. It has been established that the physical and intelligence base is developed in early childhood. Nutrition programme is being undertaken with a view to tackling the problem of malnutrition at its very roots by taking care of expectant and nursing mothers and pre-school children belonging to the lowest socio-economic groups. This programme includes (i) Special Nutrition Programme and (ii) Integrated Child Development Services (ICDS) Projects.

Special Nutrition Programme :

16.13. Under the Special Nutrition Programme children below 6 years and both expectant and nursing mothers are covered. The nutritive diet is provided to children at the rate of 65 paise per day for 300 days and nursing and expectant mothers and severely malnourished children at the rate of 0.95 paise per day per beneficiary. Expectant and nursing mothers are provided nutritional diet for 180 days in the year. This programme covers 5 districts of Kapurthala, Hoshiarpur, Gurdaspur, Ferozepur and Faridkot of the State.

ICDS Project :

16.14. The ICDS Projects provide a package of health nutrition and pre-school education services to children below six years and also to the expectant and nursing mothers. These projects are being run in 29 blocks. Five new ICDS projects will be opened during 1985-86. The rate of diet is the same as under Special Nutrition Programme.

16.15. For the above programme, an outlay of Rs. 1650.00 lakhs for the Seventh Five Year Plan and Rs. 252.00 lakhs for the Annual Plan 1985-86 has been provided. Thus, in the Seventh Plan, 1985-90, 13.50 lakh (progressive total) beneficiaries will be covered. In 1985-86, the target is to cover 2.20 lakhs beneficiaries.

CHAPTER XVII

OTHER PROGRAMMES

Labour and Labour Welfare :

17.1 Labour Welfare, Employment services and Industrial Training are covered under this sub-head of development. Against the outlay of Rs. 245.00 lakhs and anticipated expenditure of Rs. 252.92 lakhs during the Sixth Plan period an allocation of Rs. 350.00 lakh (Capital Outlay Rs. 151.00 lakh) and Rs. 70.00 lakh (capital outlay Rs. 39.50 lakhs) is being provided for the Seventh Five-Year Plan and Annual Plan 1985-86 respectively.

Labour Welfare :

17.2. Against the Sixth Plan outlay of Rs. 14.50 lakh a sum of Rs. 23.50 lakh is suggested for Seventh Five-Year Plan to strengthen the already on-going programme as also to facilitate the department to introduce some new schemes. Among the programmes increasing the number of Medical Inspectors of factories is predominant one for which an allocation of Rs. 4.50 lakh is being set aside for the Seventh plan period. To strengthen the enforcement machinery for welfare of agricultural labour it is proposed to provide jeeps to the Labour-cum-Conciliation Officer at district headquarter. A provision of Rs. 5.00 lakh for Seventh plan period and Rs. 1.00 lakh for Annual Plan 1985-86 is suggested. Factory Inspectorate will be strengthened at an estimated cost of Rs. 8.00 lakh by opening 2 new office of Deputy Chief Inspectors of Factories at Ludhiana and Amritsar during the Seventh Five Year Plan period.

Employment Services :

17.3. Against the outlay of Rs. 6.00 lakh for Sixth Five Year Plan for this sub-head of Development an allocation of Rs. 5.00 lakh for Seventh Five Year Plan is approved to enable the Department to open 3 Manpower Units and 3 Town Employment Exchanges. Approved outlay for 1985-86 is Rs. 1.00 lakh.

Industrial Training

17.4. In recent years, social needs for Industrial Training have become intense and varied particularly in a social atmosphere where progress in innovations and changes in industrial structure and employment situation have all come about. In view of the emerging needs and changing patterns the Industrial Training Department is all set to re-orient the training programmes to produce efficient and more capable skilled work-force which can handle sophisticated machines. For this, it is proposed to revamp these institutions with modern machines by weeding out the obsolete and the worn out machinery and equipment.

17.5. To keep pace with the contemporary and prospective needs of the industry for manpower it has been proposed to establish a mechanism for "Assess-

ment of Manpower" and "Re-orientation of Training Programme" accordingly Introduction of new trades, expansion of training facilities in rural areas, providing for training facilities for minority communities and making up deficiencies in building and staff to meet with the standard norms laid down by the National Council for Vocational Training are the main-stay of the Seventh Plan programme of this Department. Against the Plan provision of Rs. 224.50 lakh for the sixth Five-Year Plan, an outlay of Rs. 64.50 lakh for the Annual Plan 1985-86 and Rs. 321.00 lakhs for the Seventh Plan 1985-90 are approved. Details of the various programmes are as under:—

A. Craftsmen Training :

17.6. There are 38 Industrial Training Institutes in the State with 12328 seats in different industrial trades. This programme is run on the All-India pattern and is controlled and regulated according to the policies of the Directorate General of Employment and Training. A sum of Rs. 163.00 lakh was provided for the Craftsmen Training programme during the 6th Five-Year Plan. For the Annual Plan 1985-86 and 7th Plan 1985-90 outlays of Rs. 46.50 lakhs and Rs. 229.00 lakhs respectively are provided. These funds are provided mainly for the strengthening of the existing institutes by providing buildings, material and machinery, tools and equipment and training to the Industrial workers and also for the introduction of new trades and addition of more seats in these institutions. Two more Industrial Training Institutes in the rural/unrepresented/minorities areas are proposed to be set up, besides introducing Automobile Mechanic, cum-Drivers Trade in ITIs. The proposed provision will be utilised for the on going new schemes as given below :—

- (i) Substitution of unpopular trades with popular ones and introduction of new trades in the ITI's and addition to and replacement of tools and equipment.
- (ii) Completion of ITI's buildings and construction of buildings for remaining ITI's.
- (iii) Modernisation of Industrial Training Institutes under UNDP/ILO aid programme (of Advanced Vocational Training System) to provide highly specialised courses in various designated trades, i.e, Introduction of Engineering Technology, Electrical Maintenance, Machine Tool Maintenance, Indian Standard and Blue point, Reading of Engg. Drg. and Tools and Die Making.
- (iv) Expansion of Industrial Training Institutes located in rural areas.
- (v) Opening of New ITIs in Rural/unrepresented/minorities concentrated areas.

- (vi) Introduction of Automobile Mechanic-cum-Driver Trade in ITIs.
- (vii) Opening of Part-time Evening Classes for Industrial workers, in ITIs.
- (viii) Providing independent feeders/Diesel Operating Sets in ITIs.
- (ix) Providing instructors in ITIs as per revised norms.
- (x) Strengthening of Examination Cell and Creation of Record Room.
- (xi) Establishment of Assessment and Training Orientation Cell.
- (xii) Donation of land to Government of India for setting up of Advanced Training Institute for Farm Machinery and Power.

B. Women Training—Industrial School for Girls

17.8 As some trades are more suited to the girls, training facilities are provided in 44 Government Industrial Schools with 4016 seats. Training in these schools is imparted according to D.G.E. & T. pattern in the trades of Cutting and Tailoring, Embroidery and Needle work, Knitting with Hands and Machines, Preservation of Fruits and vegetables, Punjabi Stenography, Radio Mechanic and T.V. Mechanic, Draftsman (Civil) and Electronic trades etc. A sum of Rs. 52.50 lakhs was provided during the Sixth Five-Year Plan for this programme. For the Annual Plan 1985-86 and Seventh Plan 1985-90 outlays of Rs. 18.00 lakhs and Rs. 92.50 lakhs are approved respectively under the programme to strengthen the existing Industrial Schools by providing buildings, material and machinery, tools and equipment and also for introducing new trades and for additional seats in these Schools. The proposed provision is made for the on-going/new schemes:—

- (i) Completion of existing buildings and construction of new buildings for Government Industrial Schools for Girls/Government Industrial Teachers Training Institutes for Women.
- (ii) Modernisation and replacement of machinery in Schools.
- (iii) Opening of new Industrial Schools and Introduction of additional seats in the existing schools.
- (iv) Opening of Training-cum- Production Centres.
- (v) Opening of Teachers Training Classes.
- (vi) Providing staff according to norms in Schools.
- (vii) Strengthening of Inspectorate Cell for Industrial Training—Women Programme.

INFORMATION AND PUBLICITY

17.10. It is proposed to shift gradually from manbased to media based publicity. Against the Sixth plan outlay of Rs. 180.00 lakh, a sum of Rs. 300.00 lakh (including an outlay of Rs. 90.00 lakh for exhibition Board) has been proposed for the Seventh Five Year Plan for the various plan programmes. A sum of Rs. 65.00 lakhs has been proposed for annual Plan 1985-86 under this sub-head.

1. Direction and Administration

17.11. A sum of Rs. 1.00 lakhs and Rs. 0.20 lakh has been provided for the scheme "Purchase of books for Library at Headquarters" for 7th plan (1985-90) and Annual plan 1985-86 respectively. A small outlay of Rs. 0.50 lakh and Rs. 0.10 lakh has also been earmarked for the Seventh Five Year Plan (1985-90) and Annual Plan 1985-86 respectively under the scheme 'Feed back studies' in order to ascertain the response of audience of the various programmes.

2. Films

17.12. An outlay of Rs. 20.00 lakhs has been provided during the Seventh Five Year Plan (1985-90), out of which Rs. 4.00 lakhs has been earmarked for Annual Plan 1985-86 for the purchase and production of films.

3. Field Publicity

17.13. Publicity of the development schemes/programmes framed by the Government is very essential. Through this Media direct contact with the masses is made by holding meeting and conferences, Cinema shows etc. It is intended to open six more Sub-centres at Tehsil level during the Seventh Five Year Plan in order to augment publicity efforts of the Department. A sum of Rs. 75.00 lakhs has been provided for the Seventh Five Year Plan for this purpose, out of it a sum of Rs. 13.70 lakhs has been provided for the year 1985-86. A sum of Rs. 10.00 lakhs has been provided for the Seventh Five Year Plan out of which a sum of Rs. 2.00 lakhs is provided for the year 1985-86 under the television scheme for providing T.V. set to village Panchayats and in Harijan Bastis on the basis of subsidising 33% cost of T.V. Sets. An outlay of Rs. 15.00 lakhs has been earmarked during the 7th Five Year Plan out of which Rs. 3.00 lakhs has been provided for the year 1985-86 for the purchase and production of literature.

4. Song and Drama Services

17.14. The media of Song and Drama makes a useful impact on the masses and has helped a good deal in arranging public functions during the Sixth Plan period. For this media a sum of Rs. 20.00 lakhs has been provided for Seventh Five Year Plan and Rs. 4.00 lakhs the year 1985-86. A sum of Rs. 22.00 lakhs has been provided for the entire plan period out of which a sum of Rs. 4.40 lakhs has been earmarked for the year 1985-86 for maintaining the Light and Sound Programme.

5. Advertising and Visual Publicity

17.15. A sum of Rs. 0.50 lakhs is required during the 7th plan period. Out of it a sum of Rs.—0.10 lakhs has been provided during the year 1985-86. for community listening and a sum of Rs. 2.50 lakh has been provided for Seventh Five-Year Plan out of which a sum of Rs. 0.50 lakhs has been provided for Annual Plan 1985-86 under the scheme wall paintings.

(ii) Exhibitions (including Exhibition Board)

17.16. Under this scheme small Departmental exhibitions are set up on important occasions/festivals in which panels, models & charts of achievements of the Government are displayed. Besides this the Exhibition Board participates in the India International Trade Fair by setting up Punjab Pavilion at New Delhi every year. To meet this expenditure a sum of Rs. 98.50 lakhs has been provided during the 7th Five-Year Plan period, out of which a sum of Rs. 21.00 lakhs is earmarked during the year 1985-86 under the scheme "Exhibitions". Another outlay of Rs. 20.50 lakhs has been provided during the 7th Five-Year Plan, out of which a sum of Rs. 4.10 lakhs has been earmarked for the year 1985-86 for the scheme "Display Advertisements" on various development programmes and policies of the Government.

6. Teleprinter Lines

17.17. Teleprinter lines have already been provided to link Chandigarh with district headquarters of Ludhiana, Bhatinda, Jalandhar, Amritsar, Patiala, Faridkot, Delhi, Gurdaspur and Ferozepur during the Sixth Plan period. The Department intends to connect the remaining districts of Hoshiarpur, Kapurthala, Sangrur and Ropar with the Headquarters for quick despatch of press material. A sum of Rs. 14.50 lakhs has been provided during the Seventh Five-Year Plan, out of which a sum of Rs. 2.90 lakhs is earmarked during the year 1985-86 under this scheme.

7. Share capital contribution to Punjab Film and News Corporation

17.18. A sum of Rs. 25.00 lakhs has been provided in the Seventh Five Year Plan as share capital contribution to Punjab Films and News Corporation to meet some of the pending liabilities of the Corporation. A sum of Rs. 5.00 lakhs has been provided during the year 1985-86.

PLANNING MACHINERY

17.19. The Planning Machinery in the State has been reorganised. There is a high level State Planning Board with the Chief Minister as its ex-officio Chairman and Planning and Finance Minister as its Ex-officio Deputy Chairman. Specialists in various subjects are its members. The Secretary Planning is the Member Secretary.

17.20. Besides the House-keeping Division, the staff working in the Planning Board has been

re-organised into the following 13 Divisions for dealing with different subjects:

- (1) Plan Co-ordination Division
- (2) Economic Division
- (3) Local Plan 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 Mineral Division
- (10) Housing and Urban Development Division
- (11) Special Backward Area Division
- (12) Social Services Division
- (13) Monitoring and Evaluation Division

17.21. The Plan Co-ordination Division undertakes the Co-ordination work relating to Planning. All the Divisions consist of technical staff and each of these divisions is to be headed by a subject Specialist or 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 purposes the State Planning Organisation needs the following:—

- (1) Additional staff at headquarters, accommodation and other facilities for them.
- (2) Planning machinery at the district and block levels.
- (3) Data Processing, maintenance and retrieval equipment
- (4) In service training in Planning techniques and procedure.
- (5) Strengthening and improvement of Planning Board Library.
- (6) Surveys and studies relating to Planning.
- (7) Seminars and workshop on State Planning and participation in conferences on planning.

17.22. Against the Sixth Five Year Plan agreed outlay of Rs. 50.00 lakhs for the strengthening

of Planning Machinery in the State in the above mentioned fields out of which there would be an anticipated expenditure of Rs. 25.29 lakhs. A sum of Rs. 50.00 lakhs has been approved for the Seventh Five-Year Plan (1985—90) for the strengthening of Planning machinery and staff structure. Another sum of Rs. 15.00 lakhs has been approved for strengthening Planning Machinery at District Level for the seventh Plan. For the Annual Plan 1985-86, an outlay of Rs. 6.00 lakhs has been approved.

17.23. It is hoped that assistance from the Planning Commission will be available for the schemes proposed to be implemented during 1985-86 on the same pattern as heretofore, i.e. 2/3rd of the total approved items of expenditure with a view to building up the organisation to the required level of competence and efficiency.

STATISTICS

17.24. 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 of Planning and implementing departments. Against the Sixth Five-Year Plan outlay of Rs. 85.00 lakhs an outlay of Rs. 78.00 lakhs has been provided for the implementation of continued/new staff schemes during the 7th Five-Year Plan period (1985—90). An expenditure of Rs. 30.87 lakhs is likely to be incurred during the year 1984-85.

ST 1.1. Strengthening of Evaluation Machinery

17.25. In order to ensure the proper implementation of plan programmes to achieve the set targets, the quick evaluation studies and also concurrent evaluation of on-going programmes is very essential. Such evaluation studies could not be undertaken on a large scale as the hands of existing staff were full with other evaluation studies. In order to meet the day to day needs of concurrent quick evaluation and to look after the timely feed back of evaluation findings, it has been proposed to strengthen the State Evaluation unit with the following staff for the purpose. A staff Car at the Headquarters is also needed to strengthen the supervision of the surveys to be undertaken by the Director.

1. Director	..	1
2. Computer	..	1
3. Senior Scale Stenographer	..	1
4. Driver	..	1
5. Peon	..	1

ST 1.2 Working Class Family Income/ Expenditure Survey in Punjab

17.26. In order to ascertain the latest consumption patterns of the Industrial Workers and

the other socio-economic aspects namely, family characteristics, demographic particulars, literacy, economic, and activity status source-wise income, expenditure, food consumption, nutrition budgetary position, indebtedness, savings and investments, housing and sanitary conditions etc. the Working class Family income and expenditure savings are very essential. These savings surveys in Punjab were conducted in 1975-76. In the last survey Six Centres were selected viz., Dhariwal, Nangal, Ludhiana, Phagwara, Patiala and Abohar, being the important Industrial Centres. Since Ludhiana centre has been covered by Govt. of India, Bhatinda will be taken in its place.

17.27. This survey will take about three and half years and one officer of the rank of Deputy Economic & Statistical Adviser is required for Planning. Organising and supervising the survey work and drafting its reports. Two Technical Assistants are required at headquarters for checking the fieldwork, scrutiny of schools and compilation work. Eight field Assistants are required for collection of data from the field along with other ancillary staff comprising one Junior Scale Stenographer and one Peon is also required. An outlay of Rs. 7.00 lakhs has been approved for the Seventh Five-Year Plan period and Rs. 1.00 lakh for the Annual Plan 1985-86 has been approved for this new plan scheme.

ST 1.3—Purchase of Computer Timings/Installation of Computer System

17.28. In order to keep pace with the modern technology to achieve efficiency, it has been proposed to replace the existing out-dated unit record. Machines/computer system will enable speedy processing of statistical data and to make the results available to the policy makers and users at the earliest. Therefore, an outlay of Rs. 14.00 lakhs has been approved for the purchase of computer Timings/Installation of computer system and Electrical equipment during first year (1985-86) of the Seventh Five-Year Plan (1985—90) for getting the data processed and tabulated quickly.

17.29. It may be added that the scheme for installation of computer system has already been approved for Annual Plan 1984-85. Necessary steps are being taken to install the most suitable computer system in the E.S.O. by the end of the current financial year. In view of some unforeseen slippage in its installation due to non-availability of appropriate system or some procedural delay, a token provision of Rs. 14.00 lakhs has been proposed in the 7th Five-Year Plan. The maintenance charges for the proposed computer system for first year is nil and for second year onwards it is likely to be about Rs. 0.75 lakh per annum.

ST 1.4. Strengthening of District Statistical Offices with Class-I Officers and provision of jeeps.

17.30. With a view to making the field work more meaningful and to assist/advice the Deputy Commissioners in the Formulation and implementation

of district plans, it is felt that there is need for more effective a constant and regular guidance and supervision of these persons so that they can play laudable and useful role in collecting and improving the quality of data at that level. There is also need of having village-wise, block-wise and district-wise data of various types for the formulation of district Plans and reviewing various types of schemes being implemented at that level. This can only be done if there is more effective checking and close supervision and guidance at the district level in the collection of data.

17.31. Since the work load of the District Statistical Offices has increased manifold with the assignment of additional work to review and monitor work relating to the implementation of 20 Point Programme, it is proposed to strengthen the District Statistical Offices where the work load is comparatively more by providing a Deputy Economic and Statistical Adviser for effective supervision of conducting of Statistical studies at district/block levels. As Deputy Economic and Statistical Adviser will be a person with longer experience and even otherwise senior, he will be overall incharge of the administrative work of the office and District Statistical Officer will work as next junior officer to him.

17.32. In view of the position explained above, the following minimum staff has been proposed at the district level.

1. Deputy Economic & Statistical Adviser	12
2. Junior Scale Stenographer ..	12
3. Peons ..	12
4. Drivers ..	12

17.33. District Statistical Officers have to collect various types of primary and secondary data and to discharge the multifarious duties, jeeps are proposed to be provided to all District Statistical Officers in the State. One staff car is also required for the Officers at the headquarters for supervision of District Statistical Agencies. Therefore, an outlay of Rs. 18.00 lakhs has been approved for the 7th Five-Year Plan period and a sum of Rs. 4.00 lakhs for the Annual Plan 1985-86.

ST 1.5 : Creation of Price Statistical Cell

17.34. In order to prepare composite price indices for rural and urban areas separately for manual workers and the others, it has been proposed to create a separate price Cell in E.S.O. This will collect weekly Retail price of Consumer goods from the Urban and Rural areas of the State and prepare composite price indices for rural and urban areas separately. These indices will help the Government in taking steps to contain the price rise and streamlining the distribution system of essential commodities by opening Fair Price Shops in the far flung areas of the State. To perform the above mentioned functions the following staff has been proposed for this Cell.

1. Research Officer	..	1
2. Technical Assistants	..	4
3. S.A.	..	2
4. Computers	..	2
5. Stenotypist	..	1
6. Peons	..	2

17.35. An outlay of Rs. 9.00 lakhs has been approved for the Seventh Five-Year Plan period (1985-90) and Rs. 1.00 lakh for Annual Plan (1985-86) for the creation of Price Statistics Cell in ESO.

ST 1.6. Strengthening of Ministerial Staff at Headquarters

17.36. With the implementation of various plan schemes during the Fifth and Sixth Plan, day to day increase in the Ministerial work, the department is not in a position to run the Ministerial work smoothly with the present sanctioned strength. To enable the Ministerial staff at Headquarters to discharge their duties properly and give them relief from the additional work which they are presently doing in the interest of administrative set up it has been proposed to strengthen the Ministerial staff at headquarters as well. In order to save the time of the Economic Adviser for important technical matters and other allied work, a number of items relating to establishment matters have been assigned to various technical officers of the ESO in addition to their own duties because at present there is no officer who may independently assist the Head of the office and Head of the Department in Administrative matters. One Senior Librarian is also required to supervise the library of the Department and to perform the above-mentioned functions the following staff has been proposed.

1. Establishment Officer	..	1
2. Senior Librarian	..	1
3. Stenotypist	..	1
4. Peon	..	1
5. Superintendent, Grade-I	..	1
6. Assistant	..	7
7. Clerk/typists	..	5
8. Peons	..	4

17.37. An outlay of Rs. 10.00 lakhs has been approved for this scheme during the 7th Five-Year Plan (1985-90) and Rs. 1.00 lakh for the Annual Plan 1985-86.

ST 1.7. Staff for Group Insurance Scheme at District level

17.38. This is a new scheme for providing one post of Clerk/Typist in each District Statistical Agency to cope with the additional work regarding implementation of the Group Insurance Scheme. A sum of Rs. 6.00 lakhs and Rs. 1.00 lakh has

been approved for the 7th Five-Year Plan (1985—90) and Annual Plan 1985-86 respectively.

ST 1.8. Surveys and Studies :

17.39 For conducting a short term special/*Ad hoc* and time bound surveys and studies on the subjects suggested by the Central and State Governments, a sum of Rs. 7.00 lakhs has been approved for the Seventh Five-Year Plan period (1985—90) and a sum of Rs. 1.00 lakhs for the Annual Plan 1985-86. Sample surveys of whole and retail trade statistical, social statistics and of consumer expenditure and employment in selected blocks will be undertaken under this scheme and the following staff has been proposed:—

(i) Joint Director	..	1
(ii) Research Officer	..	2
(iii) Technical Assistants	..	4
(iv) Statistical Assistants	..	4
(v) Junior Scale Stenographer	..	1
(vi) Steno-typists	..	2
(vii) Peons	..	5

PRINTING AND STATIONERY :

17.40 Against the 6th Five-Year Plan Outlay of Rs. 60.00 lakhs a sum of Rs. 300.00 lakhs has been provided for the Seventh Five-Year Plan for the continuation of staff, to purchase Machinery and Equipment and to meet the increased demand for the supply of Material and Supply to run the Government Press, S.A.S. Nagar.

2. Machinery and Equipment for Ticket Printing Press, Patiala

17.41 It is proposed to purchase and install in the Printing Press, Patiala, one Rotary Ticket Printing Machine with Automatic numbering device, cutting, slitting to meet the entire demand of Bus Tickets of the Punjab Roadways, Pepsu Road Transport Corporation, suggested allocation for this purpose is Rs. 50.00 lakhs for the 7th Five-Year Plan period. As the completion of necessary formalities for importing the machine will take considerable time, no provision for Annual Plan 1985-86 is being provided for this purpose.

3. Government Press at S.A.S. Nagar (Mohali) :

17.42 According to the original estimates machinery worth Rs. 108.00 lakhs was required for making the Government Press at S.A.S. Nagar, Mohali functional in two phases, Machinery worth Rs. 61.55 lakhs has been acquired and installed during Sixth Five-Year Plan period and the first phase of the Government Printing Press at S.A.S. Nagar, Mohali became operational in December, 1983, For making the 2nd phase operational machinery and equipment worth Rs. 46.45

lakhs will be required and installed during the 7th Five-Year Plan period.

17.43 Another allocation of Rs. 190.95 lakhs is being approved to provide material and supply to maintain the staff already recruited as also to position the additional Staff required during the 7th Five-Year Plan period. For the year 1985-86, a sum of Rs. 45.00 lakhs is considered adequate. Another allocation of Rs. 7.40 lakhs is for the construction of boundary wall around the Government Press S.A.S. Nagar, Mohali during the 7th Five-Year Plan period.

5. 17.44 An Inspection Cell will be created at the Headquarter at Chandigarh for strengthening the Stationery and Publication Forms Section in order to avoid the wastage of Stationery items and assess the actual requirement of various offices at a cost of Rs. 4.00 lakhs during the Seventh Five-Year Plan. A sum of Rs. 0.76 lakhs is provided for the year 1985-86.

Administration Training Institute

17.45 During the Seventh Five-Year Plan (1985—90), the coverage of training programmes would be enlarged by the Punjab State Institute of Public Administration by providing foundation Training, in-service Training and other Training Programme. Besides this the Institute since 1983 has undertaken a number of projects in Punjab State Agricultural Marketing Board, Punjab Khand Udyog, Punjab Agro-Industries Corporation and during the current year the Institute will take up the Rural Development Training Programme and Municipal Administrators Training and Urban Studies.

17.46 Against the approved outlay of Rs. 50.00 lakhs and anticipated expenditure of Rs. 58.49 lakh during the Sixth Plan period, an allocation of Rs. 125.00 lakh has been provided for the Seventh Five-Year Plan period (1985—90) as working expenditure. A sum of Rs. 30.00 lakhs has been earmarked for the Annual Plan 1985-86.

Centre for Research in Rural and Industrial Development (crrid)

17.47 An allocation of Rs. 13.00 lakhs and Rs. 5.00 lakhs has been approved for the Centre for Research in Rural and Industrial Development (CRRID) for the Seventh Five Year Plan period (1985—90), and Annual Plan 1985-86 respectively.

Public Works :

17.48 Many Government administrative and office buildings, particularly at district, tehsil and local levels are in a bad shape. There is also an urgent need for the construction of new courts, police stations and jail buildings and for major improvements in the existing buildings. More circuit houses/guest houses are needed. Keeping in view the need to improve the administrative efficiency, the construction of office buildings has been given an adequate importance. The strategy of development under this programme

will be to give top priority to the completion of spillover works, the priority for starting new works will be as follows :—

- (1) Offices, which are located in dilapidated buildings and have been declared unsafe for habitation.
- (2) For offices which have already land in their possession for this purpose.
- (3) The offices, which are located in rented buildings and are not suitable for office accommodation.

17.49 A detailed exercise in this respect was conducted and it was felt that an outlay of Rs. 4808.00 lakhs is required for this sub-head "Public Works" during Seventh Five-Year Plan in order to undertake the construction of office buildings/police stations/jails etc. on the basis of above mentioned priorities. Due to financial constraints an outlay of Rs. 2000.00 lakhs only could be provided for this sub-head during 1995—90.

17.50 During Sixth Five-Year Plan, an expenditure of Rs. 899.40 lakhs was incurred during 1980—84 on such public works. An amount of Rs. 324.94 lakhs was expended in Annual Plan 1984-85. During 1985-86, an outlay of Rs. 385.00 lakhs has been provided for the completion of mainly the spillover works.

Details of programme are given as under :—

Administrative Complexes

17.51 The State has 3 divisions, 12 districts, 45 sub-divisions/tehsils and 49 sub-tehsils. For the convenience of the public, it has been decided to construct all government offices and courts in a town at one place, where ever possible.

17.52 During 1980—83, an expenditure of Rs. 235.13 lakhs was incurred for the construction of administrative complexes. An amount of Rs. 110.94 lakhs was incurred during 1983-84 for the completion of 24 Spillover works. During 1984-85, an outlay of Rs. 186.17 lakhs was provided for early completion of the 15 Spill-over Works, out of which 5 are expected to be completed by the end of 1984-85. During Seventh Plan 1985—90, an outlay of Rs. 600.00 lakhs has been provided to complete the spillover works and for construction of additional 24 administrative/tehsil complexes. During 1985-86 an outlay of Rs. 186.00 lakhs has been provided for the completion of spillover works. The details of these works are given in Annexure-I.

Courts

17.51 The condition of courts buildings in the State is very poor. Some of which have been declared unsafe by P.W.D. At present construction of Court building at six places is in progress. An expenditure of Rs. 26.99 lakhs during 1980—83 and Rs. 12.26 lakhs in 1983-84 was incurred and 2 Court Complexes have been completed by the end of 1983-84. A provision

of Rs. 12.00 lakhs has been made in 1984-85 for these on-going works and additional 2 Court Complexes are expected to will be completed.

17.52 An outlay of Rs. 70.00 lakhs has been provided for completion of 2 Spillover works and for undertaking construction of 9 new Court Complexes, and for providing additional accommodation for additional judicial officers to be appointed during Seventh Five-Year Plan. During 1985-86, an outlay of Rs. 15.00 lakhs has been provided for the completion of 2 spillover works and for two new works. The details are given in Annexure-I

Patwar Khanas

17.53 During Sixth Five-Year Plan, it was decided to Construct 585 Patwar Khanas in the State with HUDCO loan assistance through the agency of Punjab Housing Development Board. Since HUDCO loan was not available for this purpose, it was decided to Construct Patwar Khanas with State funds only. An expenditure of Rs. 4.88 lakhs in 1980—83 and Rs. 8.69 lakhs in 1983-84 was incurred for completion of 35 Patwar Khanas. An outlay of Rs. 6.83 lakhs has been provided during 1984-85 for construction of additional 15 Patwar Khanas.

17.54 During Seventh Five-Year Plan an outlay of Rs. 34.00 lakhs has been provided for construction of 65 Patwar Khanas and for 1985-86, an outlay of Rs. 10.00 lakhs is provided for the construction of 18 Patwar Khanas in the State.

Police Stations

17.55 The condition of most of the existing buildings of Police Stations is not satisfactory some of which have also been declared unsafe for habitation by P.W.D. authorities. A few Police Stations are housed in rented buildings, which were not constructed according to the requirements of the Police Department. Some of them require immediate renovation and for other new construction is to be undertaken. For this purpose an expenditure of Rs. 108.93 lakhs during 1980—83, Rs. 31.80 lakhs during 1983-84 was incurred and 10 Police Stations were constructed by the end of 1983-84. For 1984-85, a provision of Rs. 50.00 lakhs was made for completion of 6 spillover works and (Rs. 13.00 lakhs) for payment of enhanced compensation of land.

17.56 During Seventh Five-Year Plan, an outlay of Rs. 300.00 lakhs has been provided for completion of spillover works and for new construction detailed in Annexure-I. During 1985-86 an outlay of Rs. 55.00 lakhs has been provided for the completion of spillover works only.

Jails

17.57 In order to improve the condition in the Jails, the Government has decided to provide basic amenities of life in Jails e.g. flush laterines etc. An expenditure of Rs. 156.59 lakhs during 1980—83 and Rs. 48.09 lakhs during 1983-84 was incurred for the construction of Jails and provision of flush laterines

etc. An expenditure of Rs. 50.00 lakhs has been incurred for the completion of 7 on going works during 1984-85. During Seventh Five-Year Plan, an outlay of Rs. 500.00 lakhs has been provided for completion of spillover works and new works detailed in Annexure I. A provision of Rs. 54.00 lakhs has been made for the completion of the spillover works during 1985-86.

Curcuit Houses and Rest Houses

17.58 During 1980—83, an expenditure of Rs. 44.33 lakhs was incurred for the completion of state guest house at Chandigarh and other rest houses in the State. During 1983-84, an amount of Rs. 59.56 lakhs was spent under this scheme. An outlay of Rs. 20.00 lakhs was provided under this scheme during 1984-85, for the completion of state guest house at Chandigarh and for other rest houses in the State. An outlay of Rs. 250.00 lakhs has been provided under this schemes during Seventh Five-Year Plan 1985—90 and for 1985-86 an outlay of Rs. 10.00 lakhs has been provided for this scheme.

Mini Secretariat Building at Chandigarh

17.59 To reduce congestion in the Secretariat and to provide accommodation to Secretariat branches, which are functioning in private buildings outside the Secretariat buildings, it has been decided to construct a mini-Secretariat building. Land for this project has been got allotted from the Chandigarh Administration. The construction work on Block-A is under progress and is proposed to be completed by 1985-86. During 1980—83, an expenditure of Rs. 30.09 lakhs was incurred, which included Rs. 18.00 lakhs for payment of

instalments of land acquired and Rs. 22.00 lakhs for undertaking construction of the building. An expenditure of Rs. 21.12 lakhs was incurred for this building during 1983-84 for continuing the construction activity and for payment of instalment of the new plot acquired during this year. During 1984-85, an outlay of Rs. 40.00 lakhs was provided for the construction of this building and payment of instalment of new plot. The spillover requirement is Rs. 246.00 lakhs, which has been provided in Seventh Five-Year Plan. An outlay of Rs. 40.00 lakhs has been provided for the completion of spillover work during 1985-86.

Extension in Punjab Bhavan at New Delhi

17.60 Punjab Government Officers during their visits to Delhi are experiencing an acute shortage of accommodation. In order to remove the shortage of accommodation in Punjab Bhawan, it has been decided to construct 2 multistoreyed separate buildings namely Block B and C in the premises of Punjab Bhawan at a cost of Rs. 206.00 lakhs for providing accommodation to officers visiting Delhi and for accommodating the staff and officer of the State Government posted at Delhi.

17.61 During 1984-85, an outlay of Rs. 20.00 lakhs was provided for this purpose, but due to certain procedural constraints, the construction work could not be started during 1984-85. An outlay of Rs. 200.00 lakhs has been provided for this project during Seventh Five-Year Plan 1985—90. For undertaking construction of this project during 1985-86, an outlay of Rs. 15.00 lakhs has been provided.

ANNEXURE-I

(Rs. in lakhs)

Serial No.	Name of the Works	Estimated Cost	Outlay	
			1985-90	1985-86
1	2	3	4	5
Administrative Complex				
Spillover Works :				
1	District Administrative Complex, Jalandher including Treasury Block and quarters	32.55	4.60	4.60
2	Tehsil Complex, Khanna	21.44	4.00	4.00
3	Tehsil Complex, Mansa	27.93	8.80	8.80
4	Tehsil Complex, Talwandi Sabo	37.00	12.30	12.30
5	Tehsil Complex, Balachaur	41.43	11.20	11.20
6	Tehsil Complex, Rajpura	N.A.	16.75	16.75
7	Tehsil Complex, Barnala	21.77	2.55	2.55
8	Tehsil Complex, Baba Bakala	40.00	21.00	21.00
9	Tehsil Complex, Fatehgarh Sahib	38.96	13.30	13.30
10	Tehsil Complex, Gurdaspur	8.73	5.87	5.87
11	Tehsil Complex, Patti	14.03	1.10	1.10
12	Tehsil Complex, Samrala	N.A.	0.50	0.50
13	Sub-Tehsil Complex, Bhawanigarh	7.25	1.70	1.70
14	Sub-Tehsil Complex, Mukerian	6.36	0.50	0.50
15	Record room in SDM's. Office, Malerkotla	N.A.	3.20	3.20
16	Office and Residence of D.E.T.C., Ferozepur	39.38	25.78	25.78
17	District record room Faridkot	N.A.	4.80	4.80
18	Treasury Building, Gurdaspur	8.73	0.92	0.92
19	Residence portion of Tehsil Complex, Gurdaspur Roads/Pavements	14.39	4.70	4.70
Total			143.57	143.57
New Works :				
1	District Administrative Complex, Faridkot	294.00	294.00	15.00
2	3rd phase of D.A.C., Ropar (Tehsil and Treasury Building, Ropar)	N.A.	8.46	8.46
3	Tehsil Building, Pathankot	40.00	40.00	10.60
4	Modernisation of Tehsil/Court Complex, Zira	5.00	5.00	5.00
5	Strong rooms in sub-Treasuries	N.A.	20.00	—
6	Provision of Public Health Amenities in Tehsil Complex at Rampura-Phul	1.25	1.25	1.25
7	Sub-Tehsil Complex at Shahkot	15.00	15.00	2.12
8	Administrative Complex, Moga	40.00	30.29	—
9	Sub-Tehsil Complex, Bhulath	15.00	15.00	—
10	Sub-Tehsil Complex, Dharmkot	15.00	15.00	—
11	Sub-Tehsil Complex, Nathana	15.00	12.43	—
Total			456.43	42.43
Grand Total			600.00	186.00

(Rs. in lakhs)

Serial No.	Name of Works	Estimated Cost	Outlay	
			1985-90	1985-86
1	2	3	4	5
Court Complexes				
Soilover Works				
1	Court Complex, Sultanpur-Lodhi	N.A.	3.70	3.70
2	Court Complex, Barnala	N.A.	3.30	3.30
3	Court Complex, Kharar	32.75	32.75	7.35
4	Court Complex, Giddarbaha	N.A.	0.65	0.65
	Total		40.40	15.00
New Works				
1	Court Complex, Nakodar	15.00	13.60	—
2	Court Complex, Sunam	15.00	9.78	—
3	Court Complex, Anandpur Sahib	6.22	6.22	—
	Total	36.22	29.60	—
	Grand Total		70.00	15.00
Jails				
Spillover				
1	Construction of Open Air Jails, Kapurthala	N.A.	30.00	2.34
2	Construction of Open Air Jail, Nabha	N.A.	10.00	1.00
3	Construction of New Central Jail, Ludhiana	454.75	200.00	26.93
4	Construction of sub-Jail, Ropar (Purchase of land)	N.A.	75.00	—
5	Construction of staff quarters	N.A.	75.00	10.03
6	Construction of Watch Towers in Jails	N.A.	23.00	13.70
	Total		413.00	54.00
New Works				
1	Construction of sub-Jail at Talwandi-Saboo	N.A.	25.00	—
2	Construction of under-trial Wing at Amritsar, Patiala and Ferozepur	25.00	25.00	—
3	Construction of Sub-Jail at Rampura-Phul	N.A.	37.00	—
	Total		87.00	—
	Grand Total		500.00	54.00
Police Stations				
1	Construction of office Division No. 2 along with Administration Block of S.P. at Jullundur	89.20	17.00	7.50
2	P.S. at Valtaha, District Amritsar	8.60	8.60	7.70
3	P.S. 'A' Division, Amritsar	53.59	—	20.00
4	P.S. Division No. I, Jalandhar	14.23	14.23	—

(Rs. in lakhs)

Serial No.	Name of the Works	Estimated Cost	Outlay	
			1985-90	1985-86
1	2	3	4	5
5	Police Line, Kapurthala	68.18	20.00	16.65
6	Office Block R.T.C., Jahan-Khelan	2.96	2.96	—
7	P.S. Division No. 4, Patiala, Ferozepur Cantt., Ropar and Sudhar	N.A.	8.00	—
8	Construction of P.A.P. Stadium at Jalandhar Cantt.	N.A.	3.15	3.15
Total			73.94	55.00
New Works :				
1	Construction of Battalion-H.Q. of P.A.P. at S.A.S. Nagar	75.00	75.00	—
2	Construction of Central Armoury	25.00	25.00	—
3	Construction of office building for D.I.G., Patiala, Jalandhar and office for S.S.P. at Patiala	100.00	100.00	—
4	Construction of Building for 6 police stations	N.A.	26.06	—
Total			226.06	
Grand Total			300.00	55.00

CHAPTER XVIII

EMPLOYMENT

Employment and manpower planning has been viewed as a very important part of the entire process of planning. Whereas all aspects of manpower planning are important, most crucial problem is that of unemployment among the educated youth. This is a very sensitive issue in the case of Punjab and there is immediate need for evolving a suitable strategy to tackle it. To get a correct picture of the magnitude and dimension of the problem, a rapid sample survey covering more than 5,000 graduate and post-graduate registrants with the Employment Exchanges, residing both in rural and urban areas of the State was conducted during May-July, 1983. Some of the key results of this survey are given in this chapter. Working Group on Manpower and Employment constituted in the State Planning Board on the eve of the formulation of the Seventh Five Year Plan has given thought to the problem of unemployment among educated youth and made certain suggestions which are given at the end of the Chapter. Besides, the employment and manpower situation has been reviewed in this chapter on the basis of the information available from 1981 Census, National Sample Survey (38th Round), E.M. I. Programme and the Live Register statistics maintained by the Employment Exchanges in the State. The estimates of labour force on the eve as well as at the end of the Seventh Five Year Plan have been worked out according to usual activity status of the population (in 15—59 age-group). The chapter also contains estimates of direct employment anticipated to be generated during the Sixth Five Year Plan, 1980-85 and tentative targets fixed for the Seventh Five Year Plan, 1985—90 and the Annual Plan, 1985-86. A mention has also been made of the supplementary avenues of employment/self-employment opportunities created through the Rural Development Agencies, Punjab Scheduled Castes Land Development and Finance Corporation and Punjab Backward Classes Land Development and Finance Corporation.

Working Population 1971—81

18.2 A comprehensive idea of the size of the working force and its industrial structure can be had from the Census data. Final figures of the 1981 Census regarding working population are now available. Main workers, marginal workers and non-workers classified by sex and residence in Punjab in 1981 are shown in annexure-I while the distribution of workers in 1971 and 1981 by cultivators, agricultural labourers, house-hold industries and others is given in annexure-II.

18.3. There has been steady increase in the number of persons engaged in economically productive activities in the State during the 1971—81 decade as revealed by the Census figures. In 1981, there were 49.28 lakh main workers (i.e. persons engaged in work for at least 183 days in a year) and 3.60 lakh marginal workers in the State. Females constituted merely 3.61 per cent of the total main workers in the State. However, among marginal workers their proportion

was very high (84.81 per cent). 72.17 per cent of the main workers lived in rural areas of the State. The proportion of marginal workers residing in rural areas was higher (95.94 per cent).

18.4. During 1971—81 decade there has been 25.95 per cent increase in the number of main workers in the State. The increase was more pronounced in the case of female workers as their number swelled by 140.45 per cent during this period. The number of female agricultural labourers increased by 456.72 per cent in a period of 10 years. On the other hand there was insignificant increase (5.76 per cent) in the number of male cultivators during the past decade. Whereas the percentage of cultivators to total main workers decreased from 42.56 per cent in 1971 to 35.86 per cent in 1981, there was small increase in the proportion of agricultural labourers from 20.11 per cent to 22.17 per cent during the same period.

18.5 The 1981 Census has returned work participation rate of 29.35 per cent as against 28.87 per cent of 1971 Census. Punjab has the lowest female work participation rate in the country. However, the rate has shown an improvement from 1.18 percent in 1971 to 2.27 per cent in 1981. The male work participation rate has also increased from 52.82 per cent in 1971 to 53.14 per cent in 1981.

Usual Activity Status of Population, 1983

18.6 The 38th Round of the National Sample Survey (January-December, 1983) is the third quinquennial survey on employment and unemployment, the two previous surveys of this series were carried out in the 27th (October, 1972-September, 1973) and the 32nd (July, 1977 June, 1978) Survey Rounds of the NSSO. The State Sample results of the 38th Round have been tabulated by the Economic and Statistical Organisation, Punjab. The percentage distribution of population (in age-group 15—59 years) in Punjab by usual activity status, residence and sex based on the State Sample results of 38th Round is given in annexure-III.

18.7 According to the NSS results 90.73 per cent of the rural males (in 15—59 age-group) in Punjab were in the labour force. However, in urban areas the corresponding proportion was lower (88.60 per cent). This can be attributed to the higher proportion of students among the male population in urban areas than in rural areas. The participation of females in the labour force was very low. Rural female labour force constituted merely 3.40 per cent of their total population. In urban areas the female labour force participation was comparatively higher (6.09 per cent). The incidence of unemployment both among males and females was more in urban areas than in rural areas.

Results of Unemployment Survey

18.8. Keeping in view the fact that Live Register statistics do not depict the unemployment situation correctly and that the highly educated youth, gradua-

tes and post-graduates, should not be allowed to linger long in a state of unemployment, a sample study was undertaken during the months of May to July, 1983. The main purpose of this survey was to determine the extent of actual unemployment among graduates and post-graduates registered with the Employment Exchanges and to find out their readiness to take up self-employment as against the prospects of continued unemployment. The report of the survey has since been published. The study brings out that the Live Register figures indicate a higher statistical count of the unemployed.

18.9. Of the total 56,134 graduate and post-graduate registrants as on 31st May, 1983, 41.9 percent belonged to the rural areas and the remaining to the urban areas. It was found 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. It would thus, be seen that the problem of unemployment among educated persons, though by no means small in magnitude, was not as severe as reflected by the Employment Exchange statistics.

18.10. The survey results reveal that husbands of 23.17 percent of the married female registrants were non-earners. Married couples with neither of the partners being an earner is a serious matter. The registrants belonging to Arts and Education/Physical Education faculties constituted about 90 per cent of the job-seekers on the Live Register. Majority of the surveyed registrants were found to be third divisioners. Teaching and clerical jobs were the two most favoured occupations of the currently employed registrants as well as of those registrants seeking salaried jobs.

18.11. Only 28.40 per cent of the totally unemployed registrants were ready for self-employment. Live stock production and retail trade were the most favourable self-employment ventures as registrants belonging to cultivating families and business community could easily adopt these occupations. However, in the case of female registrants the most favourable self-employment venture was that of starting their own private schools. The fact that only a little more than one-fourth of the totally unemployed registrants are willing to go in for self-employment of some sort makes the issue of finding employment for a large majority of them difficult. There is thus need for motivation of these highly educated youth towards self-employment. Employment Exchanges can play an active role in this regard.

18.12. The results of the survey cannot be generalised for all categories of educated unemployed as the scope of the survey was confined only to the specific group of unemployed graduates and post-graduates who constitute only a little more than one-fourth of the total educated unemployed (matric and above).

Unemployment trends during the Sixth Plan

18.13. The Live Register statistics maintained by the Employment Exchanges in Punjab provide serial data on unemployment among different categories of

manpower. As already observed, these statistics are not reliable indicators of total magnitude of unemployment. They, however, depict unemployment trends. A statement based on Live Register statistics indicating the trends of unemployment among different categories of manpower during the Sixth Plan period is given at annexure -IV.

18.14. It is encouraging to note that during a period of five years since the commencement of the Sixth Five Year Plan there has been an overall increase of only 11.71 per cent in the number of unemployed technical personnel in the State. However, the position differs from category to category and even within a category the number of unemployed has been fluctuating from year to year. A comparison of the Live Register Statistics for the period 31st March, 1980 to 31st March, 1985 reveals that there was decline in unemployment among allopathic doctors, JBT teachers, agricultural graduates/post-graduates and veterinary graduates. The increase in unemployment among B. Ed. and M. Ed. teachers was only marginal. The decrease in the magnitude of unemployment among graduate engineers was significant in the recent years. In other words the fresh out-turn of these categories has been absorbed during the Sixth Plan and even some dent into the backlog has also been made in certain cases. It is, however, a matter of concern that there was significant rise in the number of unemployed diploma engineers (60.78%), non-I. T. I. trained craftsmen (75.23%) and para-medical personnel (57.73%). In other words programmes implemented during the Sixth Plan have not been able to improve the employment position of these categories. Among the educated persons without any professional and technical training i. e. matriculates and under-graduates, the employment situation has been deteriorating. The situation has improved temporarily in the case of post-graduate freshers recently. There has been only marginal increase (7.91%) in the number of unemployed graduate freshers during the period of five years of the Sixth Plan.

Growth of Employment in the Organised Sector

18.15. Under the 'Employment Market Information Programme' information regarding employment is collected in respect of the Organised Sector of the Economy which *inter alia*, covers all establishments in the Public Sector, irrespective of their size and non-agricultural establishments in the Private Sector normally employing 10 or more persons. The data in respect of all Public Sector establishments and non-agricultural Private Sector establishments employing 25 or more persons is collected statutorily under the provisions of the Employment Exchange (Compulsory Notification of Vacancies) Act, 1959 whereas the same from smaller non-agricultural Private Sector establishments employing 10-24 persons is collected on a voluntary basis. Growth of employment in the Organised Sector in the State during the first four years of the Sixth Plan is depicted in annexure-V.

18.16. On the eve of the Sixth Five-Year Plan, i.e. on 31st March, 1980 there were 6.13 lakh employees in the Organised Sector. Their number has grown to 7.04 lakh as on 31st March, 1985 thus showing an increase of 14.75 per cent in a period of five years. The rate of growth of employment was higher in the Public Sector (16.48 per cent) than in the Private Sector (10.18 per cent) during the period under reference.

Total Direct Employment Generation during the Sixth Plan

18.17. 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 and is financed from the funds allocated to the project, programme or scheme either directly or through an executing agency, which may in some cases be a 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.

18.18. Estimates of direct employment (construction and continuing employment) anticipated to be generated under the Sixth Five Year Plan are given in annexures VI and VII. These estimates are primarily based on the information furnished by the State Government Departments/Organisations concerned with Plan. Gaps in information have been filled up by working out the estimates on the basis of rough norms by the Employment and Manpower Division. Additional continuing employment content of the Sixth Plan period has been worked out by sub-tracting the total continuing employment generated under the State Annual Plan 1979-80 from the total continuing employment anticipated to be generated under the State Annual Plan 1984-85. On the other hand the construction employment content of the Sixth Plan period has been shown as an aggregate of the construction employment generated under the five years of the Sixth Plan.

18.19. The Sixth Five Year Plan is anticipated to generate a total of 160.25 million person days of construction employment. Thus annual average works out to 32 million person-days. Major, Medium and Minor irrigation, Power, Forests and Public Works are the major sectors contributing to the growth of direct employment in the construction phase in the State. As regards continuing employment, its level is expected to be stepped up from 25,687 person-years under the State Annual Plan 1979-80 to 53,503 person-years under the State Annual Plan 1984-85, thus generating additional employment of 27,816 person-years during the Sixth Plan period. Sub-heads of development having significant impact on generation of additional (continuing) employment are Power, General Education, Medical and Public Health, Industry, Animal Husbandry, Road Transport, Agriculture and Co-operation.

Indirect/Self employment generation during Sixth Plan

18.20. So far no methodology has been evolved to work out the indirect employment generation as a result of implementation of the Plan programmes. However, there are three agencies namely Rural Development Agencies, Punjab Scheduled Castes Land Development and Finance Corporation and Punjab Backward Classes Land Development and Finance Corporation which are primarily responsible for generating supplementary employment/self-employment in the State. These agencies have direct lending programmes as well as their tie-up arrangements with the commercial banks in the advancement of loans to economically weaker families already identified through a State-wide survey conducted in 1980-81. During the first four years of the Sixth Plan, loans (either free of interest or at nominal rate) amounting to Rs. 115.60 crores were advanced to 4.80 lakh families so as to raise them above the poverty line. Besides, capital subsidy amounting to Rs. 30.75 crores was also given by these agencies during the period. During the last year of the Sixth Plan another one lakh families are expected to be advanced loans by these agencies.

18.21. The main thrust of the National Scheme 'TRYSEM' (Training Rural Youth for Self-employment) is on equipping rural youth with necessary skill and technology to enable them to settle in self-employment. The number of persons trained and those provided self-employment under TRYSEM is as under :—

Year	No. of persons trained	No. of persons provided self-employment
1980-81	2688	891
1981-82	8671	2891
1982-83	16535	10818
1983-84	16331	10327
1984-85	11870	5868

18.22. During the year 1983-84 Government of India launched a Scheme for providing self-employment to Educated Youth in Punjab as in other parts of the country. The objective of the scheme is to encourage the educated unemployed youth to undertake self-employment ventures in industry, service and business through a package of assistance. This scheme is expected to go a long way in tackling the problem of unemployment among educated persons in the State. As against the target of beneficiaries of 6,700 persons during 1983-84 the number of cases sanctioned by banks was 9,047 and number of cases disbursed was 6,781. Against the target of 12,000 persons, 12,212 persons have been sanctioned loans by the banks during the year 1984-85.

Whereas during 1983-84 the coverage of rural areas was not enough, instructions have now been issued to ensure that at least 60 per cent beneficiaries must belong to rural areas.

Estimates of Labour Force for the Seventh Plan period

18.23. 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 results have been applied to the projected population to work out the estimates on the assumption that present trends will continue.

18.24. According to usual activity status the size of the labour force (in 15—59 age-group) on the eve of the Seventh Five Year Plan has been estimated at 50.84 lakh (48.83 lakh males and 2.01 lakh females). 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 6.19 lakh more persons (5.91 lakh males and 0.28 lakh females) are expected to enter the labour market in the State. The average annual increase in labour force would thus be around 1.24 lakh (See annexure VIII).

Estimates of Working Force

18.25. Estimates of working force for the Seventh Plan period are given in annexure-IX. The number of workers on the basis of their usual activity status is expected to rise from 49.39 lakh as on 31st March, 1985 to 55.40 lakh as on 31st March, 1990. There would, thus be an average annual increase of 1.20 lakh workers during the Seventh Plan period.

Unemployment Estimates

18.26. On the assumption of continuation of present trends the number of usually unemployed persons is expected to rise from 1.44 lakh on the eve of the Seventh Plan to 1.62 lakh at its end (see annexure X).

Targets of Direct Employment generation for the Seventh Plan

18.27. Information regarding the targets of direct employment to be generated during the Seventh Five-Year Plan, 1985-90 and the Annual Plan, 1985-86 has been received along with the proposals for the Seventh Plan and the Annual Plan and has been incorporated in annexure XI and XII for construction and continuing employment respectively. There are, however, gaps in the information received from the departments. To fill up these gaps some rough estimates have been worked out wherever possible.

18.28. According to the present tentative estimates the State Seventh Five Year Plan, 1985—90 is expected to generate a total of 215.26 million person-days of construction employment and 94,727 person-years of continuing employment.

Similarly, the State Annual Plan, 1985-86 is expected to generate a total of 39.92 million person-days of construction employment and 60,411 person-years of continuing employment.

Employment Strategy

18.29. Great emphasis is being laid on the generation of gainful and productive employment during the Seventh Plan. As in the Sixth Plan, the package of poverty alleviation programmes will continue during the Seventh Plan. However, the Working Group on Manpower and Employment feels more concerned about the problem of unemployment among educated youth. The problem is not an isolated one as it is linked up with the educational system and the strategy of economic development in the State. There is need for reviewing and revising the educational system so that it meets the needs of the society. Educational institutions turning out 'unemployables' are a waste of precious resources. There should be proper screening after the high school level so as to know the aptitude of the students and to advise them accordingly. There is already a dearth of systematically trained skilled labour in Punjab due to continuing out-migration. Sufficient awareness has not been created regarding the utility of Industrial Training Institutes and Polytechnics in the State. The Working Group is of the view that vocationalisation as part of the school education is very expensive. It, therefore, prefers the strengthening of the ITIs and Polytechnics in the State. The technical courses in these institutes should be diversified and restructured so as to meet the requirements of technical personnel in the economy. There is also need for changing the strategy of economic development. In view of the fact that there is adequate infrastructural development in the State, there is a need for decentralising the process of development. As a matter of fact, decentralised development has already made a beginning as industrial units and service centres are coming up all along the High ways in Punjab. There is, however, a need to control migration to large cities. The demographic situation in the State requires very calculated decentralisation of the development process. Jobs need to be provided in small towns and villages. Viable economic activity should be taken to the less developed rural areas. Rural industrialisation, on a decentralised pattern is the key to regional development in Punjab. Though decentralisation costs more, it provides more social benefits. If the economic costs and social benefits balance each other, there is a need to experiment with the model of decentralisation.

18.30. The Working Group on Manpower and Employment has given thought to the decentralised strategy for employment promotion advocated by the Planning Commission, Govt. of India, and has recommended the constitution of District Manpower Planning and Employment Generation Councils in the State to achieve the desired results.

18.31. The present emphasis on self-employment programmes will be continued during the Seventh Plan. However, the Working Group on Manpower and Employment has recommended that the credit

facilities currently being given by the Rural Development Agencies and the State Corporations to the economically weaker sections may be extended to all educated unemployed youth irrespective of their family income and the size of loan should be in consonance with the size of the project/venture to be set up by them.

18.32. The Central 'Scheme for providing Self employment to Educated unemployed Youth' launched during the year 1983-84 is having a beneficial effect on the employment prospects of the educated unemployed and the response has been quite favourable. The maximum limit of the loan under this scheme may be raised from Rs. 25,000 to Rs. 50,000 so that the beneficiaries may engage themselves in setting up small scale industries. The amount of Rs. 25,000 is now, no longer adequate to set up small scale units. The scheme may cover two or more eligible persons who may join hands in promoting more viable projects with Rs. 50,000 as the share of each person. Applications for loans under this scheme may be entertained through the Employment Exch-

anges so that the persons waiting for employment for long periods could be given priority and the impact of the scheme could be judged from the reduction in the number of educated unemployed on the Live Register.

18.33. In order to consider the recommendations of the High Level Committee on Punjab Administration concerning the problem of unemployment in Punjab and to formulate proposals and take decisions for implementation of the said recommendations a Committee has been constituted under the Chairmanship of Chief Secretary to Govt. Punjab. Further, a Local Task Force consisting of Secretaries, Industry, Planning and Transport and Economic Adviser to Government Punjab has been set up to consider short-term measures to solve the problem of unemployment among the youth in Punjab. The Planning Commission, Govt. of India, has also been requested to set up a Task Force for an indepth study of the problem and for suggesting long term measures to tackle the issue of unemployment on an enduring basis.

ANNEXURE I

Main Workers, Marginal workers and Non-Workers classified by Sex and Residence in Punjab, 1981

Residence/Sex	Main Workers	Marginal Workers	Non-Workers	Total Population
1	2	3	4	5
RURAL				
Males ..	34,58,329	50,553	29,35,582	64,44,464
Females ..	98,096	2,94,963	53,03,635	56,96,694
Persons ..	35,56,425	3,45,516	82,39,217	1,21,41,158
URBAN				
Males ..	12,91,317	4,145	11,97,284	24,92,746
Females ..	80,017	10,491	20,64,503	21,55,011
Persons ..	13,71,334	14,636	32,61,787	46,47,757
TOTAL				
Males ..	47,49,646	54,698	41,32,866	89,37,210
Females ..	1,78,113	3,05,454	73,68,138	78,51,705
Persons ..	49,27,759	3,60,152	1,15,01,004	1,67,88,915

Source :—Census of India 1981, Series-I, India Part IIB (i) Primary Census Abstract, General Population.

ANNEXURE II

Distribution of Workers by Cultivators, Agricultural Labourers,

Category	1971		
	Males	Females	Persons
1	2	3	4
Cultivators	16,61,020 (43·27)	4,133 (5·58)	16,65,153 (42·56)
Agricultural Labourers	7,78,613 (20·29)	8,092 (10·92)	7,86,705 (20·11)
Household Industries	1,18,764 (3·09)	5,338 (7·21)	1,24,102 (3·17)
Other Workers	12,80,120 (33·35)	56,512 (76·29)	13,36,632 (34·16)
Total Main Workers	38,38,517 (100·00)	74,075 (100·00)	39,12,592 (100·00)

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-1, India, Part-IIB(i)— Primary Census Abstract—General Population.

II

Household Industries and other workers in Punjab

1981*			Increase during 1971-81 decade					
Males	Females	Persons	Total			Percentage increase		
			Males	Females	Persons	Males	Females	Persons
5	6	7	8	9	10	11	12	13
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
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
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
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
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

ANNEXURE—III

Percentage distribution of population (Age-group 15—59 years) in Punjab by usual activity status, residence and Sex
January—December, 1983

Activity Status	Rural		Urban	
	Male	Female	Male	Female
1	2	3	4	5
(a) Working Force ..	88·81	2·80	86·24	5·23
(b) Unemployed ..	1·92	0·60	2·36	0·86
(c) Labour Force (a+b) ..	90·73	3·40	88·60	6·09
(d) Outside Labour Force ..	9·27	96·60	11·40	93·91
Total ..	100·00	100·00	100·00	100·00

ANNEXURE IV

Statement showing the number of work-seekers (Category-wise) on the Live Register of Employment Exchanges in Punjab from 31st March, 1980 to 31st March, 1985

Serial No.	Category	No. of work-seekers as on					
		31-3-80	31-3-81	31-3-82	31-3-83	31-3-84	31-3-85
1	2	3	4	5	6	7	8
1	Graduate Engineers	246 (100·00)	289 (117·48)	300 (121·95)	410 (166·67)	384 (156·10)	254 (103·25)
2	Diploma Engineers	2,430 (100·00)	2,372 (97·61)	2,480 (102·06)	3,158 (129·96)	3,549 (146·05)	3,907 (160·78)
3	I.T.I. Trained Craftsmen	19,441 (100·0)	18,540 (95·37)	19,929 (102·51)	20,043 (103·10)	21,185 (108·97)	23,098 (118·81)
4	Other Craftsmen	6,408 (100·00)	9,225 (143·96)	10,441 (162·94)	10,697 (166·93)	10,627 (165·84)	11,229 (175·23)
5	Allopathic Doctors	44 (100·00)	72 (163·64)	69 (156·82)	30 (68·18)	50 (113·64)	33 (75·00)
6	Doctors—Others	262 (100·00)	374 (142·75)	438 (167·18)	349 (133·21)	380 (145·04)	264 (100·76)
7	Para-medical Personnel	1,443 (100·00)	1,408 (97·57)	1,854 (128·48)	2,342 (162·30)	2,247 (155·72)	2,276 (157·73)
8	Agricultural Specialists	331 (100·00)	310 (93·66)	261 (78·85)	322 (97·28)	359 (108·46)	269 (81·27)
9	Veterinary Graduates	94 (100·00)	83 (88·30)	54 (57·45)	74 (78·72)	83 (88·30)	80 (85·11)
10	Dairy Graduates	1 (100·00)	—	1 (100·00)	—	—	—
11	Teachers (B.Ed. and M.Ed.)	18,480 (100·00)	18,332 (99·20)	17,593 (95·20)	18,840 (101·95)	18,647 (100·90)	19,732 (106·77)
12	Teachers (J.B.T.)	9,552 (100·00)	9,940 (104·06)	9,872 (103·35)	9,900 (103·64)	9,345 (97·83)	8,647 (90·53)
13	Teachers—Others	21,456 (100·00)	22,993 (107·16)	22,190 (103·42)	20,257 (94·41)	19,867 (92·59)	19,789 (92·23)
14	Total Technical Personnel Unemployed (Total 1 to 13)	80,188 (100·00)	83,938 (104·68)	85,482 (106·60)	86,422 (107·77)	86,723 (108·15)	89,578 (111·71)
15	Graduate Freshers	28,221 (100·00)	31,046 (110·01)	34,095 (120·81)	32,436 (114·94)	29,338 (103·96)	30,452 (107·91)
16	Post-graduate Freshers	6,454 (100·00)	6,452 (99·97)	6,922 (107·25)	8,069 (125·02)	8,217 (127·32)	6,651 (103·05)
17	Matriculate and below Graduate Freshers	99,875 (100·00)	1,19,271 (119·42)	1,29,985 (130·15)	1,36,334 (136·50)	1,48,296 (148·48)	1,46,961 (147·14)
18	Total Educated Unemployed Freshers—Matric and above (Total 15 to 17)	1,34,550 (100·00)	1,56,769 (116·51)	1,71,002 (127·09)	1,76,839 (131·43)	1,85,851 (138·13)	1,84,064 (136·80)
19	Live Register other than covered under items 1 to 17	2,10,308 (100·00)	2,22,692 (105·89)	2,37,210 (112·79)	2,59,907 (123·58)	2,52,213 (119·93)	2,63,688 (125·38)
20	Total Live Register	4,25,046 (100·00)	4,63,399 (109·02)	4,93,694 (116·15)	5,23,168 (123·09)	5,24,787 (123·47)	5,37,330 (126·42)

ANNEXURE V

Growth of Employment in the Organised Sector in Punjab

Sector	As on 31st March					
	1980	1981	1982	1983	1984	1985
1	2	3	4	5	6	7
Public	.. 4,45,105 (100·00)	4,67,795 (105·10)	4,80,386 (107·93)	4,97,428 (111·76)	5,12,860 (115·22)	5,18,446 (116·48)
Private	.. 1,68,363 (100·00)	1,67,340 (99·39)	1,76,080 (104·58)	1,77,235 (105·27)	1,85,024 (109·90)	1,85,509 (110·18)
Total	.. 6,13,468 (100·00)	6,35,135 (103·53)	6,56,466 (107·01)	6,74,663 (109·90)	6,97,884 (113·76)	7,03,955 (114·75)

ANNEXURE VI

Estimates of Direct (Construction) Employment anticipated to be generated during the Sixth Five-Year Plan 1980—85

(Lakh person-days)

Sub-Head of Development	Total direct employment generation under Annual Plans/Sixth Five Year Plan							Sixth Plan, 1980—85 (Anticipated) Total of Col. 3 to Col. 7
	1979-80 (Actual)	1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Actual)	1984-85 (Anticipated)		
1	2	3	4	5	6	7	8	
1. Agriculture ..	0.78	1.03	1.90	1.83	1.74	1.70	8.20	
2. Minor Irrigation ..	32.76	37.54	34.42	43.69	60.72	58.69	235.06	
3. Soil Conservation ..	10.62	5.50	6.91	14.53	19.06	21.00	67.00	
4. Dairying and Milk Supply ..	0.46	0.74	1.01	0.49	0.38	0.88	3.50	
5. Forests ..	8.79	19.37	23.54	28.67	36.00	35.60	143.18	
6. Community Development and Panchayats ..	4.84	14.79	33.99	11.40	16.40	14.59	91.17	
7. Co-operation ..	0.46	1.80	4.63	4.26	3.92	1.80	16.41	
8. Irrigation ..	51.10	70.27	90.65	52.09	58.99	62.20	334.20	
9. Anti-waterlogging, Drainage and Flood Control ..	46.49	22.93	20.00	33.11	32.58	38.85	147.47	
10. Power ..	83.09	64.05	30.01	32.00	36.29	38.63	200.98	
11. Roads and Bridges ..	13.65	11.00	12.48	12.40	15.45	12.40	63.73	
12. Tourism ..	0.14	0.82	0.48	0.07	0.07	0.08	1.52	
13. Rural Water Supply ..	4.90	6.24	5.76	4.50	8.74	8.74	33.98	
14. Housing ..	12.16	21.81	18.38	9.09	6.42	4.88	60.58	
15. Urban Development ..	9.60	14.50	14.80	10.37	4.14	4.64	48.45	
16. Public Works ..	18.69	21.27	12.50	32.42	48.36	32.50	147.05	
Total ..	298.53	313.66	311.46	290.92	349.26	337.18	1602.48	

ANNEXURE VI I

Estimates of Direct (Continuing) Employment anticipated to be generated during the Sixth Five-Year Plan, 1980—85

(Person-years)

Head/Sub-Head of Development	Total direct employment generation under Annual Plans						Additional employment anticipated to be generated during the Sixth Plan period (1980—85) Col. 7— Col. 2)
	1979-80 (Actual)	1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Actual)	1984-85 (Anticipated)	
1	2	3	4	5	6	7	8
1. Agriculture and Allied Sectors—							
(i) Agriculture	2,191	2,961	2,957	3,385	3,504	3,566	1,375
(ii) Minor Irrigation	600	653	653	674	719	751	151
(iii) Soil Conservation	887	529	583	863	664	664	(—)223
(iv) Animal Husbandry	754	1,207	2,464	2,586	2,715	2,715	1,961
(v) Dairying and Milk Supply	14	14	73	28	28	105	91
(vi) Fisheries	96	101	108	86	85	98	2
(vii) Forests	564	591	644	646	650	650	86
(viii) Community Development and Panchayats	21	21	21	34	45	42	21
Total (1)	5,127	6,077	7,503	8,302	8,410	8,591	3,464
2. Co-operation—							
Co-operation	2,218	2,284	2,785	2,981	3,211	3,274	1,056
Total (2)	2,218	2,284	2,785	2,981	3,211	3,274	1,056
3. Irrigation and Power—							
(i) Irrigation	—	—	—	—	—	—	—
(ii) Anti-waterlogging, Drainage and Flood Control	—	—	—	—	—	—	—
(iii) Power	8,804	8,747	12,165	14,200	15,000	15,700	6,896
Total (3)	8,804	8,747	12,165	14,200	15,000	15,700	6,896
4. Industry and Minerals—							
Industry and Minerals	784	994	1,926	2,354	2,793	4,857	4,073
Total (4)	784	994	1,926	2,354	2,793	4,857	4,073
5. Transport and Communication—							
(i) Civil Aviation	—	2	—	—	—	—	—
(ii) Roads and Bridges	—	—	—	—	—	—	—
(iii) Road Transport	619	1,633	1,894	2,280	2,320	2,320	1,701
(iv) Tourism	—	—	50	17	18	12	12
Total (5)	619	1,635	1,944	2,297	2,338	2,332	1,713

ANNEXURE-VII—Concl'd.

	1	2	3	4	5	6	7	8
6 Social and Community Services—								
(i) General Education ..	3,056	3,855	7,395	8,727	8,977	9,426	6,370	
(ii) Technical Education ..	—	—	6	16	16	36	36	
(iii) Medical and Public Health ..	3,676	5,144	6,368	6,941	7,363	7,751	4,075	
(iv) Rural Water Supply ..	155	91	71	117	261	261	106	
(v) Housing ..	—	—	—	—	—	—	—	
(vi) Urban Development ..	1,090	1,640	1,714	1,173	468	527	(—)563	
(vii) Information and Publicity ..	22	34	36	14	2	150	126	
(viii) Labour and Labour Welfare ..	114	94	115	143	143	250	136	
(ix) Welfare of Scheduled Castes and Backward Classes ..	—	—	—	—	—	—	—	
(x) Social Welfare ..	—	6	6	—	—	—	—	
Total (6) ..	8,113	12,864	15,711	17,131	17,249	18,401	10,288	
7. Economic Services—								
(i) Other General Economic Services ..	10	58	96	101	105	140	130	
Total (7) ..	10	58	96	101	105	140	130	
8. General Services—								
(i) Printing and Stationery ..	12	13	36	63	179	208	196	
(ii) Public Works ..	—	—	—	—	—	—	—	
Total (8) ..	12	13	36	63	179	208	196	
Grand Total (1 to 8) ..	25,687	32,672	42,166	47,429	49,285	53,503	27,816	

ANNEXURE VIII

Estimates of Labour Force (Age-group 15—59 years) in Punjab classified by Residence and Sex on usual activity status basis

(Persons in lakhs)

Residence/Sex	As on 31st March, 1985*	As on 31st March, 1990	Increase during 1985-90	Average Annual Increase
1	2	3	4	5
RURAL				
Males ..	33.89	36.76	2.87	0.574
Females ..	1.12	1.22	0.10	0.020
Persons ..	35.01	37.98	2.97	0.594
URBAN				
Males ..	14.94	17.98	3.04	0.608
Females ..	0.89	1.07	0.18	0.036
Persons ..	15.83	19.05	3.22	0.644
TOTAL				
Males ..	48.83	54.74	5.91	1.182
Females ..	2.01	2.29	0.28	0.056
Persons ..	50.84	57.03	6.19	1.238

*Revised.

ANNEXURE IX

Estimates of Working Force (Age Group 15—59 years) in Punjab classified by Residence and Sex
on Usual Activity Status Basis

(Persons in Lakhs)

Residence/Sex	As on 31s March, 1985*	As on 31st March, 1990	Increase during 1985-90	Average Annual Increase
1	2	3	4	5
RURAL				
Males ..	33.17	35.98	2.81	0.562
Females ..	0.92	1.00	0.08	0.016
Persons ..	34.09	36.98	2.89	0.578
URBAN				
Males ..	14.54	17.50	2.96	0.592
Females] ..	0.76	0.92	0.16	0.032
Persons ..	15.30	18.42	3.12	0.624
TOTAL				
Males ..	47.71	53.48	5.77	1.154
Females] ..	1.68	1.92	0.24	0.048
Persons ..	49.39	55.40	6.01	1.202

*Revised.

ANNEXURE X

Estimates of unemployed (Age-group 15-59 years) in Punjab, classified by Residence and Sex
on Usual Activity Status Basis

(Persons in thousands)

Residence/Sex	As on 31st March, 1985*	As on 31st March, 1990	Increase during 1985-90	Average Annual Increase
1	2	3	4	5
RURAL				
Males	71.72	77.79	6.07	1.214
Females	19.81	21.49	1.68	0.336
Persons	91.53	99.28	7.75	1.550
URBAN				
Males	39.78	47.90	8.12	1.624
Females	12.53	15.09	2.56	0.512
Persons	52.31	62.99	10.68	2.136
TOTAL				
Males	111.50	125.69	14.19	2.838
Females	32.34	36.58	4.24	0.848
Persons	143.84	162.27	18.43	3.686

*Revised.

ANNEXURE XI

Tentative estimates of Construction Employment (Lakh person—days)

Total direct employment to be generated under Annual Plan, 1985-86 and the Seventh Five Year Plan, 1985-90

Sub-head of Development	Annual Plan 1985-86 (Target)	Seventh Plan, 1985-90 (Target)
1	2	3
1. Agriculture	1.61	9.06
2. Minor Irrigation	60.74	303.70
3. Soil Conservation	15.84	79.08
4. Dairying and Milk Supply	0.75	0.75
5. Forests	38.60	191.50
6. Community Development and Panchayats	46.32	229.73
7. Co-operation	1.97	12.00
8. Irrigation	94.64	444.54
9. Anti-water logging, Drainage and Flood Control	20.04	92.50
10. Power	48.84	390.35
11. Roads and Bridges	12.25	95.63
12. Tourism	0.08	0.40
13. Rural Water Supply	9.60	69.60
14. Housing	6.47	56.77
15. Urban Development	5.17	31.32
16. Public Works	36.32	145.68
Total	399.24	2152.61

ANNEXURE XII

Tentative estimates of Continuing Employment (Person—years)

Total direct employment to be generated under Annual Plan, 1985-86 and the Seventh Five Year Plan, 1985-90

Head/Sub-Head of Development	Annual Plan 1985-86 (Target)	Seventh Plan, 1985-90 (Target)
1	2	3
1. Agriculture and Allied Sectors—		
(i) Agriculture	4,106	4,780
(ii) Minor Irrigation	774	993
(iii) Soil Conservation	896	1,240
(iv) Animal Husbandry	2,740	3,065
(v) Dairying and Milk Supply	74	120
(vi) Fisheries	260	308
(vii) Forests	700	800
(viii) Community Development and Panchayats	59	59
Total (1)	9,609	11,305
2. Co-operation—		
Co-operation	1,394	3,041
Total (2)	1,394	3,041
3. Irrigation and Power—		
(i) Irrigation	—	—
(ii) Anti-water logging, Drainage and Flood Control	—	—
(iii) Power	21,883	40,606
Total (3)	21,883	40,606
4. Industry and Minerals—		
Industry and Minerals	4,866	4,922
Total (4)	4,866	4,922
5. Transport and Communication—		
(i) Civil Aviation	—	—
(ii) Roads and Bridges	—	—
(iii) Road Transport	2,320	5,478
(iv) Tourism	12	12
Total (5)	2,332	5,490
6. Social and Community Services—		
(i) General Education	10,103	13,534
(ii) Technical Education	166	452
(iii) Medical and Public Health	8,252	13,412
(iv) Rural Water Supply	220	220
(v) Housing	—	—
(vi) Urban Development	627	757
(vii) Information and Publicity	87	90
(viii) Welfare of Scheduled Castes and Backward Classes	—	—
(ix) Labour and Labour Welfare	417	435
(x) Social Welfare	13	13
Total (6)	19,885	28,913
7. Economic Services—		
Other General Economic Services	206	214
Total (7)	206	214
8. General Services—		
(i) Printing and Stationery	236	236
(ii) Public Works	—	—
Total (8)	236	236
Grand Total (1 to 8)	60,411	94,727

CHAPTER XIX

REVISED MINIMUM NEEDS PROGRAMME

This programme includes the following items of Minimum Needs Programmes :—

- (i) Elementary Education.
- (ii) Adult Education.
- (iii) Rural Health.
- (iv) Houses for Homeless.
- (v) Environment Improvement of Urban Slums.
- (vi) Rural Water Supply.
- (vii) Nutrition.
- (viii) Rural Electrification.

19.2. Against the Sixth Plan approved outlay of Rs. 21,243.05 lakhs an allocation of Rs. 20852.15 lakhs is being proposed for the Seventh Five-Year Plan 1985—90 under this programme. The shortfall in proposed outlay for the Seventh Five-Year Plan as compared to the Sixth Plan is due to the fact that no allocation for Rural roads is being proposed in Seventh Five-Year Plan whereas an outlay of Rs. 2000.00 lakhs was provided under this programme in the Sixth Five-Year Plan 1980—85. Necessary provision for electrification is being made under Non-plan Budget and work regarding the rural roads is being looked after by the Marketing and Agricultural Board with its own funds.

Rural Health :

19.3. Against the Sixth Plan outlay of Rs. 1,317.00 lakh, an allocation of Rs. 2626.15 lakh is provided for 7th Five-Year-Plan. The major jack up in the allocation is due to the provision for removal of deficiencies in the form of buildings, machinery and equipment and medicines in the existing institutions. Another programme of upgradation of 200 Subsidiary Health Centres to PHCs. will be implemented at a cost of Rs. 1630.00 lakh (Capital Rs. 1500.00 lakh) during the Seventh Five-Year Plan period. This will improve the quality of the health services available to the ruralities. A programme of opening 50 community Health Centres at a cost of Rs. 160.00 lakh will also help in improving the quality of Health services to rural areas during the Seventh Five-Year Plan Period. Thus, the strategy for this Sub-Head, during the Seventh Five-Year Plan Period will be to improve the quality of health services in rural area by removing the deficiencies in the existing institutions rather than launching a programme of expansion of institutions at the cost of quality.

Elementary Education

19.4. The elementary education under the 'Minimum Needs Programme' includes primary edu-

cation for the age-group 6—11 (I—V Classes), middle education for the age group 11—14 (VI—VIII Classes), and the adult education 15—35 age group. In the Seventh Plan an outlay of Rs. 3324.00 lakhs has been allocated under this programme against the allocation of Rs. 1212.05 lakhs in the Sixth Plan. In 1985-86, an outlay of Rs. 402.30 lakhs has been provided. Details are as under :—

(i) Primary Education Classes I—V (Age-group 6—11) :

19.5. A net work of 12896 primary schools has been established in the State. Every revenue inhabited village has been provided a primary school. In the Seventh Plan, an outlay of Rs. 1336.00 lakhs has been provided with a view to meet acute deficiencies of drinking water and toilet facilities, furniture, class rooms and for bringing qualitative improvement at primary level. Additional staff will be provided to cope with the additional enrolment in primary stage. To make adequate supervision which also helps to check dropouts it is proposed to appoint Sub-Divisional Officer at each Sub-Divisional headquarters.

19.6. Against the anticipated achievement of enrolment of 21.60 lakhs students in primary schools, it is proposed to enrol 22.85 lakh students in this age-group during the Seventh Five-Year Plan. In the Annual Plan, 1985-86, an outlay of Rs. 176.55 lakh has been provided against the approved provision of Rs. 204.05 lakhs in 1984-85.

(ii) Middle Education Classes VI—VIII (Age-group 11—14) :

19.7. Under this programme, an outlay of Rs. 1488.00 lakhs has been provided against the allocation of Rs. 1386.05 lakhs in the Sixth Plan. This outlay is for meeting the deficiencies of science rooms, science equipment and apparatus, buildings, furniture, lavatory & drinking water facilities etc. A new scheme 'Universalisation of elementary education' has been initiated to purchase the motivational material. For the Non-formal education in the age-group 11—14, it has been decided to open 200 more non-formal education centres with the outlay of Rs. 40.00 lakhs in the Seventh Plan. An outlay of Rs. 100.00 lakhs has also been provided to upgrade 50 primary schools to middle level. The enrolment target of this age-group is fixed at 9.37 lakh students against anticipated achievements of 8.22 lakh in the Sixth Plan. For the year, 1985-86, an outlay of Rs. 215.75 lakhs has been provided.

(iii) Adult Education (15—35 age-group)

19.9. An allocation of Rs. 500.00 lakhs has been earmarked for the programme of 'Adult Education' in the Seventh Plan. For the year 1985-86, an outlay of Rs. 10.00 lakhs has been provided to open 300 new centres.

Nutrition :

19·10. Proper nutritive diet among the children of under developing countries like ours is one of the major problems effecting the physical and psychological development of children. It has been established that the physical and intelligence base is developed in the early childhood. Nutrition programme is being undertaken with a view to tackling the problem of mal-nutrition at its very roots by taking care of expectant and nursing mothers and pre-school children belonging to the lowest socio-economic groups. This programme includes (i) Special Nutrition Programme and (ii) Integrated Child Development Services (ICDS) Projects.

Special Nutrition Programme :

19·11. Under this Special Nutrition Programme children below 6 years and both expectant and nursing mothers are covered. The nutritive diet is provided to children at the rate of 65 paise per day and nursing and expectant mothers and severely malnourished children at the rate of 95 paise per day per beneficiary for 300 days in the year. This programme covers 5 districts of Kapurthala, Hoshiarpur, Gurdaspur, Ferozpur and Faridkot of the State.

ICDS Projects :

19·12. The ICDS Projects provide a package of health, nutrition and pre-school educational services to children below six years and also to the expectant and nursing mothers. These projects are being run in 29 blocks. Five new ICDS projects will be opened during the year 1985-86. The rate of diet is the same as under Special Nutrition Programme.

19·13. For the above programme, the outlays of Rs. 1650·00 lakhs for the Seventh Five Year Plan and Rs. 252·00 lakhs for the Annual Plan 1985-86 have been provided. Thus in the Seventh Plan (1985-90), 13·50 lakhs (Progressive total) beneficiaries will be benefitted. In 1985-86, the target is to cover 2.20 lakh beneficiaries.

WATER SUPPLY AND SEWERAGE**(a) Rural Water Supply and Sanitation**

The problem of safe drinking water supply is more acute in the rural areas, where source of drinking water is unhygienic 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 assured sources of drinking water within a reasonable distance (1·6 Km. or within a depth of 15 metres) ; or
- (ii) the villages where the source of water supply is endemic to water borne disease like Cholera and Guinea worms ; or
- (iii) the villages which suffer from excess salinity iron or flouride from its water supply.

19·14. There are 12188 inhabited villages in the State, out of which 3712 villages have been identified as problem villages, which fall in the category of scarcity villages under the above mentioned criteria laid down by Government of India in this respect.

19·15. Over the years the design criteria for the rural water supply have been made more liberal. In the beginning, the schemes were designed with a water allowance of 5 gallons per head per day and there was to be practically no distribution system. Water Supply was to be given through a battery of tape close to the water works. In 1961, the design criteria was increased to water allowance of 10 gallons per day per head with terminal pressure of 5 metres and skelton distribution system catering to public stand posts only. In 1976 the criteria was further liberalised to 15 gallons (70 litres) per head per day and terminal pressure of 8 metres. According to revised criteria the augmentation of water supply to the already commissioned villages alone require more than Rs. 40·00 crores. Yearwise expenditure incurred since 1974-75 is given below :—

Minimum Needs Programme :

(Rs. in lakhs)

	Expenditure
On the eve of Fifth Plan	12·58
1974-75	3·98
1975-76	3·68
1976-77	4·14
1977-78	5·34
1978-79	4·03
1979-80	4·81
1980-81	3·37
1981-82	4·27
1982-83	3·78
1983-84	5·94
1984-85	9·91
Total	65·83

18.16. Accelerated Rural Water Supply Scheme
(Government of India Scheme)

(Rs. in crores)

Year	Expenditure
1978-79	2.45
1979-80	0.75
1980-81	0.46
1981-82	1.71
1982-83	0.86
1983-84	3.34
1984-85	4.96
Total	14.53
Grand Total	80.36

Physical progress of the Rural Water Supply programme is given below :—

Upto		No. of villages	
		Commis- sioned	Work in progress at the end of the year
1973-74	524	1,033	
1974-75	317	762	
1975-76	347	704	
1976-77	284	555	
1977-78	202	563	
1978-79	136	663*	
1979-80	135	430	
1980-81	80	444	
1981-82	50	593	
1982-83	77	516	
1983-84	165	351†	
1984-85	165	N.A.	
Total	2,482		

*Includes certain Tikas hemlets, which were part of the revenue villages, but were counted as separate villages earlier.

†Tentative.

19.17. Water Supply has been commissioned in 2482 villages by the end of 31st March, 1985. So in the beginning of Seventh Five-Year Plan only 1230 problem villages will remain uncovered.

19.18. For Seventh Five-Year Plan an outlay of Rs. 70.00 crores is provided under M.N.P. in the State plan, which is proposed to be supplemented with additional ARP funds to the extent of Rs. 40.00 crores for covering all these 1,230 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 assistance to all States is available for this important programme. An outlay of Rs. 10.00 crores has been provided during 1985-86 for provision of safe drinking water to 165 villages.

Environmental Improvement of Slums

19.19 For environmental improvement of slums such as drinking water, pavement of streets, pucca drains, street lights, public urinals and laterines, etc., an expenditure of Rs. 179.00 lakhs was incurred during 1980—83 to give benefit to 1,85,638 persons. An expenditure of Rs. 80.00 lakhs was incurred for this purpose for the benefit of 1,90,616 persons during 1983-84. An outlay of Rs. 31.00 lakhs has been provided under this scheme during 1984-85, in order to cover additional population of 45,000 persons. It may be pointed out that the State provision under this scheme as loan to M.Cs. is supplemented with their own funds also.

19.20. Keeping in view the importance of this programme, an outlay of Rs. 500.00 lakhs has been provided during Seventh Five-Year Plan, to cover additional population of 3 lakhs under this scheme. An outlay of Rs. 31.00 lakhs has been provided for this purpose for benefit of 45,000 persons during 1985-86.

Houses for Rural Homeless

19.21. This scheme is covered under the Revised Minimum Needs Programme. The Revised Minimum Needs Programme places a high priority on the provision of house sites and assistance for construction of houses for rural homeless workers. About 3 lakhs families of landless workers mostly belonging to Scheduled Castes were allotted free house sites, each site measuring 100 sq. yards, in the rural areas of the State. The work regarding the construction of houses on these sites, was undertaken by the Housing Development Board in 1978 in order to supplement the individual efforts of the beneficiaries. During the Sixth Five-Year Plan an outlay of Rs. 12,00.00 lakhs was provided for this purpose. During 1980—84 an expenditure of Rs. 1,051.00 lakhs was incurred and the Housing Board completed the construction of 23,271 houses up to March, 1984 (1978—84).

19.22. During 1984-85 an expenditure of Rs. 104.17 lakhs has been incurred for the construction of 900

POWER**Rural Electrification/MNP :**

19.24. 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 areas. The most important activities under the programme would be :—

- (i) the energisation of tubewells/pump sets 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 conditions by augmentation and improvement works.

An outlay of Rs. 54,29.00 lakhs and Rs. 891.00 lakhs has been provided for this programme for the Seventh Five-Year Plan 1985—90 and the Annual Plan 1985-86 respectively.

additional houses. It is anticipated that in addition to the individual efforts Punjab Housing Development Board will be completing the construction of 24,171 houses by the end of Sixth Plan. During Sixth Five-Year Plan, a survey of identification 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 effort Punjab Housing Development Board would complete the construction of 24,171 houses for these people by the end of March, 1985.

19.23. In view of the facts, no new construction by the Punjab Housing Development Board is being proposed in the Seventh Five-Year Plan. The allottees of free house sites will, however, continue to get loan assistance on priority, for construction of houses in rural areas, under village housing project scheme. During Seventh Five-Year Plan an amount of Rs. 324.00 lakhs is being provided only to meet the repayment of HUDCO loan liability. An outlay of Rs. 74.00 lakhs has been provided for this purpose during 1985-86.

CHAPTER XX

WORLD BANK AIDED PROJECTS

The following projects with financial assistance from the World Bank were initiated and implemented during the 6th Plan :—

- (i) Water Supply and Sewerage IDA Project in eight selected towns ;
- (ii) Integrated Cotton Development Project ;
- (iii) Punjab State Seeds Corporation ;
- (iv) Kandi Watershed and Area Development Project ;
- (v) Irrigation Projects of Punjab.

20.2 The Projects at serial (i) to (iii) above have since been completed while the projects at serial (iv) and (v) have been partially completed and are also proposed to be extended during the 7th Plan period.

20.3 Against the 6th Plan outlay of Rs. 229.30 crores the expenditure is anticipated at Rs. 188.40 crores including Rs. 37.10 crores during 1984-85. An outlay of Rs. 110.42 crores has been envisaged for the 7th Plan and Rs. 39.89 crores for the Annual Plan 1985-86 against which the amount re-imbursable from the World Bank / I.D.A. is estimated at Rs. 38.65 crores and Rs. 13.96 crores respectively. The salient features of the two projects proposed to be implemented during 7th Plan are given below :—

Kandi Watershed and Area Development Project

20.4. Kandi Watershed and Area Development Project is under execution w.e.f. 1st April, 1980. The pilot project, first of its kind in the Country, is being financed by I.B.R.D., under loan agreement entered into with G.O.I. The Project aims at the integrated development of the watersheds which have been identified as economically backward areas within the State. The tract mainly comprises of sub-mountainous and undulating terrain merging with the plain areas of the State, thus forming a narrow stretch of land situated to the north of Chandigarh-Ropar, Hoshiarpur-Dasuya road in the Civil Districts of Ropar and Hoshiarpur. Unfavourable climatic and geographical factors contributed to the present socio-economic backwardness of the tract. The inhabitants depend upon dry land agriculture for their subsistence. In addition, excessive soil erosion and sedimentation of choes, erratic rainfall and flash flood damage the fertile agriculture

lands, adversely affecting the investments in building up infrastructure as well as roads, tubewells etc. Degradation of natural vegetation in the upper catchments is the major problem which continues to hamper the overall socio-economic development in this tract. In nut-shell, all these factors resulted in poor living conditions, low agricultural productivity, inadequate infrastructural facilities and lack of economic self-reliance amongst the local people.

20.5. Initially five watersheds namely Dholbaha, Janauri, Chohal Maili and Patiala-ki-Rao, covering an area of about 30,000 hectares were selected in Phase-I over a period of five years to end on 31st March, 1985. It has now been extended to other six watersheds namely Saleran, Siswan, Mehargarwal, Budki, Lawan and Tiba Nangal, covering total area of 48,000 hectares for a period of seven years to end on 31st March, 1987.

20.6. Phase-II of the Project would commence in the year 1987-88 and would include identifiable watersheds situated in the Districts of Patiala, Ropar, Hoshiarpur and Gurdaspur. It is envisaged that by the end of 7th Five Year Plan about 18 Watersheds covering an area of about 85,000 hectares would be developed under the project. The 7th Five-Year Plan would include additional 13 Watersheds covering about 55,000 hectares. In addition, it is also proposed to take up setting up of cottage industries based on locally available raw material during the 7th Five Year Plan.

20.7. Based on the Feasibility Reports formulated by the International Consultants and also the assessment carried out in respect of the new Watersheds identified in the four districts of the State, the 7th Five-Year Plan has been formulated to cater to the financial requirements of different Departments. The Seventh Plan outlay has been proposed keeping in view the works to be executed during 1985-86 and 1986-87 forming phase-I of the project, and the additional work load likely to be generated in the remaining three years on account of inclusion of additional watersheds in phase II of the project which will be extended to all the Kandi Areas situated in the State.

20.8. The original and revised project cost, expenditure upto 31st March, 1984 anticipated expenditure during 1984-85 and upto 31st March, 1985, spillover requirements of phase-I outlay Seventh Five-Year Plan (1985—90) and outlay for 1985-86 for various components of the project is given as under :

(Rs. in lakhs)

Name of the Project/Component	Phase I						Seventh Plan Outlay 1985-90 including spillover of Phase-I (Col. 3 - Col. 6)	Outlay 1985-86
	Original Project Cost	Revised Project Cost	Actual Expenditure upto 31st March, 1984	Anticipated Expenditure during 1984-85	Total Anticipated Expenditure upto 31st March, 1985	Spill over requirement of funds of Phase-I		
1	2	3	4	5	6	7	8	9
1. Forest	771.22	1687.42	407.40	230.34	637.74	449.68	1400.00	230.00
2. Soil Conservation	360.01	583.33	200.48	85.00	285.48	297.85	725.00	100.00
3. Animal Husbandry	189.56	299.25	109.82	45.00	154.82	144.43	295.00	60.00
4. Fisheries	121.49	134.42	61.33	22.00	83.33	51.09	70.00	36.00
5. Horticulture	54.56	116.93	39.52	15.50	55.02	61.91	135.00	30.00
6. PP & CU	52.78	31.19	11.69	3.88	15.57	15.62	40.00	6.50
7. P.A.U.	98.61	154.24	77.67	15.00	92.67	61.57	121.80	23.77
8. I.B. Project Dholbaha	798.44	1007.00	475.85	125.00	600.85	406.15	600.00	200.00
9. I.B. Drainage Dholbaha	336.09	361.00	178.37	62.00	240.37	120.63	111.00	101.80
10. Planning and Design Studies	367.36	293.76	169.73	30.00	199.73	94.03	80.00	30.00
11. Other watersheds	1954.88	1891.00	110.28	175.00	285.28	1605.72	2322.00	400.00
Total	5105.00	5959.54	1842.14	808.72	2650.86	3308.68	5899.80	1218.07

Irrigation Projects of Punjab ;

20.9. With the complete harnessing of available water resources in the State the main emphasis has been laid on the efficient use of existing water resources. This requires the conjunctive use of surface and ground water resources through the lining of channels and water courses in the State to save the loss of precious water from seepage/absorption. The lining would also help in controlling the weed growth and water-logging. It is estimated that nearly 25 per cent to 45 per cent of water can be saved from wastage by lining the earthen channels. The water thus saved can be utilised for providing new irrigation facilities as well as improving operational efficiency of channels.

20.10. At the normal pace of work it would take a much long time to line all the earthen channels and water-courses in the State. Limited financial resources of the State compelled it to seek assistance from World Bank for speeding up the execution of lining work. Consequently the Punjab Irrigation Project was conceived for financial assistance from the World Bank and the agreement with the World Bank was signed on 30th March, 1979. The main components of the project along with their cost are given below :—

(Rs. in crores)

Component	Phased requirement of funds						Total
	1979-80	1980-81	1981-82	1982-83	1983-84		
1	2	3	4	5	6	7	
Modernisation of canals (Reschedule)	12.03	18.40	21.70	23.20	24.76	100.09	
Pilot demonstration	0.73	1.21	0.58	0.28	—	2.80	
Modernisation of water-courses (Reschedule)	16.25	22.90	24.50	26.25	28.05	117.95	
Project Preparation Facilities (IDA)	0.12	0.12	0.12	0.12	0.12	0.60	
Total	29.13	42.63	46.90	49.85	52.93	221.44	

The various components of irrigation projects of Punjab are discussed below :—

(i) **Modernisation of Channels :**

20.11. This component is being implemented by the Irrigation Department of the State. It is by far the most important programme of the Department. The Project estimated for lining 4,060 Kms. of channels at an estimated cost of Rs. 109.00 crores (revised 129.75 crores) had been approved by the World Bank. The project was scheduled to be completed in five years period beginning from 1979-80. It is being extended by two years terminating in the year 1985-86. During the five years period of 1979-80 to 1983-84 a length of 3292 Kms. of channels has been completed at a cost of Rs. 83.98 crores. Against the anticipated expenditure of Rs. 20.75 crores during the year 1984-85 an outlay of Rs. 21.46 crores has been provided for the Annual Plan 1985-86 for lining of 429 Kms. of channels. The State Government would receive reimbursement of 35 per cent of the cost of works completed during the course of the year. The Government of India, would however, get 50 per cent of the cost of works completed, from the World Bank.

(ii) **Pilot Demonstration :**

20.12 Over and above the on-going modernisation programme for canal and water courses based on the established technologies in the Irrigation Department the pilot demonstration project will introduce and test the advanced irrigation technologies

and techniques which are either untried in the State of Punjab or have only been attempted at minimum scale. The project with an estimated cost of Rs. 279.00 lakhs is scheduled to be completed in a period of four years.

20.13. The Directorate of Irrigation Pilot Demonstration and Project Co-ordination will devise ways and means to modernise the century old irrigation and water distribution system to meet with the water demands of the high yielding varieties of crops. It will also prepare water development schemes based on the water availability for different canal irrigated areas. The Project would include such works as Sprinkler Irrigation, Saline augmentation, tubewells, buried conveyance system and special studies. Against an anticipated expenditure of Rs. 24.00 lakhs during 1984-85, Rs. 24.00 lakhs have been provided in the Annual Plan for 1985-86.

(iii) **Lining of Water Courses :**

20.14. This programme assisted by the World Bank is being implemented by the Punjab State Tubewell Corporation in the State. The programme envisaged lining of water courses of 2,820 outlets having total length of 15,200 Kms. at a total cost of Rs. 117.95 crores. This project would be completed in five years beginning from the year 1979-80. Keeping in view the shortage in physical performance the project is being got extended upto 1985-86. The year-wise break-up of the physical targets and financial outlay involved is given in the following table :—

Particulars	1979-80	1980-81	1981-82	1982-83	1983-84	Total
1	2	3	4	5	6	7
1. No. of outlets (W/CS) of which are to be lined	460	590	590	590	590	2,820
2. Length of W/CS to be lined (in Kms.)	2480	3180	3180	3180	3180	15,200
3. Total cost (crores of Rs.)	16.25	22.90	24.50	26.25	28.05	117.95
4. State's share at 20% of item (3) above (in crores of Rs.)	3.25	4.58	4.90	5.25	5.61	23.59
5. Banks share at 80% of item (3) (in crores of Rs.)	13.00	18.32	19.60	21.00	22.44	94.36

*Total will not tally because of rephasing.

20.15. During the first five years of the project, against the target to line 15,200 Kms. of watercourses the State Tubewell Corporation could line only 11810 Kms. due to inadequate supply of cement. The Corporation, however, hopes to make up the shortfalls during the remaining period of the project. Against a target of lining 3390 Kms. of watercourses during 1984-85 for which State share amounting to Rs. 7.00 crores have been provided, it is targetted to line further 2,800 Kms. of watercourses during 1985-86. For this purpose State share amounting to Rs. 6.00 crores has been provided in the Annual Plan 1985-86.

Project Preparation facilities :

20.16. The work is to be undertaken and financed wholly by I.D.A.

20.17. The Sixth Plan Outlay, anticipated expenditure 1980—84, 1984-85, Seventh Plan and Annual Plan 1985-86 Outlay and amount reimbursable during the corresponding period is given in the Annexure.

ANNEXURE

7th Five Year Plan 1985-90 and Annual Plan 1985-86

(Projects assisted by IDA—World Bank)

(Rs. in lakhs)

Name of the Project/component	Sixth Plan 1980-85 outlay	Actual Expendi- ture 1980-84	Antici- pated Expendi- ture 1984-85	7th Plan 1985-90		Annual Plan 1985-86	
				Outlay	Amount reimburs- able by World Bank	Outlay	Amount reimburs- able by World Bank
1	2	3	4	5	6	7	8
1. Water Supply and Sewerage IDA Project in 8 selected Towns ..	3494.00	3369.00	—	—	—	—	—
2. Integrated Cotton Development Project Mukatsar ..	17.16	22.33	2.75	—	—	—	—
3. Punjab State Seeds Corporation ..	54.00	21.00	100.00	—	—	—	—
4. Kandi Watershed and Area Development Project ..	3317.85	1842.14	808.72	5899.80	2064.93	1218.07	426.32
5. Irrigation Projects of Punjab :							
(1) Modernisation of canals ..	11887.00	7276.54	2075.00	4442.00	1554.70	2146.46	751.25
(2) Pilot Demonstration ..	279.00	102.00	24.00	100.00	35.00	24.00	8.40
(3) Lining of Water courses Phase-I ..	3881.00	2497.00	700.00	600.00	210.00	600.00	210.00
Total (5) ..	16047.00	9875.54	2799.00	5142.00	1799.70	2770.46	969.65
Grand Total ..	22930.01	15130.01	3710.47	11041.80	3864.63	3988.53	1395.97

CHAPTER XXI

DISTRICT PLANNING

District Planning Boards and the Block Planning Committees set up to review and monitor the progress of Plan schemes are functioning in the State. At the district level, Deputy Commissioner is the Chairman of the District Planning Board with District Statistical Officer as the Member-Secretary. At the Block level, the Committee is presided over by the Sub-Divisional Magistrate with Block Development Officer as the Member-Secretary. At the District level, review meetings are held at the end of each quarter ending June, September, December and March. These bodies are required to perform the following functions :—

- (i) To formulate a long-term district perspective Plan and evolve a short-term strategy (Five-year and Annual Plans) for planned development of the district after integration of Block Plans therein, reflecting the people's felt needs and priorities.
- (ii) To transmit the district Plan to the State Planning Board, within the fixed time limit, for inclusion in the State Plan.
- (iii) To ensure effective implementation of the District and Block Plan schemes through the agencies of the respective development department.

- (iv) To review the progress of the Plan schemes in the District at the end of each quarter.
- (v) Any other related functions that may be assigned by the State Planning Department from time to time.
- (vi) To monitor the progress of the development programmes and communicate the performance to the State Planning Board.

21.2. It has not been possible to formulate Plans at the District/block levels for various administrative reasons and other constraints. Presently, these bodies undertake periodical review of the progress of Plan schemes being implemented at the district and below levels and monitor it to the Planning Board. The district-wise distribution of divisible plan schemes is prepared and published in the form of a booklet each year and is made available to District Planning Board and others concerned for the purpose of quarterly review of the Plan schemes. The sector-wise break-up of financial targets/expenditure under major heads of development for the Sixth Plan period and the Annual Plan 1985-86 are given in the Statement D.P.I.

21.3. It has not been possible to raise outlays of the divisible plan schemes in a substantial manner on account of the high priority given to the irrigation and power sectors in the matter of allocation of funds.

CHAPTER XXII

IMPLEMENTATION OF 20-POINT PROGRAMME

22.1. The main objective of the Programme is to provide greater dynamism to priority areas of national development. It is an epoch making plan of action and is dovetailed into overall Plan of development. It aims at increasing the overall production and productivity, ameliorate the economic conditions of the poor sections of the society, provide social justice to the people, improve the working of public enterprises and curb the anti-social elements indulging in anti-national activities such as smuggling, hoarding etc.

22.2. A separate department of Economic Co-ordination and 20-Point Programme has been set up to monitor and co-ordinate this programme in a meaningful manner. A whole-time Class I Officer has been posted to supervise the work of this Department. In order to ensure that the programme is implemented in its right earnest and its gains reach the deserving poor, the State has constituted the State Level and District Level Implementation Committees. With a view to implement the Programme at the grass root level, the district level implementation committees, of which the Deputy Commissioners of the respective districts are the chairmen, hold the monthly review meetings regularly so that the bottlenecks experienced in the implementation of the Programme are removed timely.

Outlays

22.3. An amount of Rs. 456.05 crores both on the Plan (including Centrally Sponsored) and Non-Plan side was spent for the implementation of the Programme during 1982-83, the first year of the Programme. Keeping in view the importance of the Programme and to fulfill the objectives enshrined in the programme, an amount of Rs. 518.66 crores was spent during 1983-84, giving an overall step-up of 13.73% over 1982-83. A sum of Rs. 532.76 crores has been provided for the year 1984-85. A sum of Rs. 610.43 crores has been provided for the year 1985-86 giving a step up of 14.58% over 1984-85. In order to ensure balanced regional development, assured benefits to the most vulnerable sections of the people and a new orientation to growth, the State Government has provided an outlay of Rs. 2698.61 crores on the plan including centrally sponsored schemes for the Seventh Five-Year Plan. The year-wise funds earmarked for the Programme are given below :—

(Rs. in crores)

Year	Plan	Centrally Sponsored	Non-Plan	Total
1	2	3	4	5
1982-83 (Actuals)	291.99	26.61	137.45	456.05
1983-84 (Actuals)	318.58	31.55	168.53	518.66
1984-85 (Outlay)	308.21	48.11	176.44	532.76
1985-86 (Outlay)	362.42	73.84	174.17	610.43

Achievements 1982-83

22.4. The performance of the State during 1982-83 was fairly satisfactory. Out of the 16 programmes chosen by the Planning Commission for purposes of ranking/rating the progress of the various States, the performance of the Punjab State was 100% or more in respect of 12 items of the Programme. The item-wise achievements for 1982-83 are given in Annexure I. The main thrust of the State Government has been on programmes IRDP, NREP, Scheduled Castes families to be economically assisted, slum improvement, drinking water to problem villages, pump-sets energisation and tree plantation which are closely linked with the socio-economic uplift of the weaker sections and directly results in supplementing their income.

Achievements 1983-84

22.5. Out of 21 items reported to Government of India by all the States, the Punjab State has already made cent per cent coverage in respect of two items, namely, 'All eligible persons allotted house-sites (Point No. 9 (A))' and 'All villages electrified (Point No. 11 (A))'. In respect of four items namely 'Bonded Labour Rehabilitation (Point No. 6)', 'Scheduled Tribes (Point No. 7 (B))', 'Primary Health Centres (Point No. 14 (A))' and 'Fair Price Shops (Point No. 17)' as there is either no problem or the existing network/system is adequate to cater to the needs of the people and no targets are required to be fixed. Out of the remaining 15 items the progress of the Punjab State has been 100% or more in respect of 9 items and between 90% to 100% for three items and 80% to 90% for the item Bio-gas. The progress of the item 'Pump-sets energisation' has been very encouraging and being 190.18 per cent. Besides the monthly reporting items, the progress of point Nos. 1 and 16 in the form of additional irrigation potential and adult education was notable. An additional irrigation potential of 97033 hectares (including shallow tubewells) was created during 1983-84. 113113 adult illiterates were made literates under the Adult Literacy Programme during this period. The achievements for 1983-84 are given in Annexure II. The State Government has won the following awards/incentive bonus for its creditable performance in the implementation of the programme during 1983-84 :—

Slum Population (Point No. 10)

An incentive bonus of Rs. 1.86 crore has been given to the Punjab State for achieving the higher target for providing basic civic amenities to the Slum Population. Against the target of 1,65,000 slum dwellers, the State covered 1,90,616, giving a percentage achievement of 115.52.

Power Generation (Point No. 11)

The Punjab State Electricity Board has won an award of Rs. 3.16 crores for best performance of Guru Nanak Dev Thermal Plant, Bhatinda. The Plant

Load Factor has risen from 41.3 per cent in 1981-82 to 57.0 per cent during 1983-84. The performance of Guru Nanak Dev Thermal Plant, Bhatinda was the highest during 1983-84 (57.0% PLF) as compared to other thermal units of same capacity in the country.

Sterilisations (Point No. 13)

The Punjab State has been given a cash award of Rs. 2.5 crores for being the third 'Best' amongst States in respect of Family Planning, achieving target of 1,40,246 (109.6%) against the target of 1,28,000.

Elementary Education and Adult Literacy (Point No. 16)

The Punjab State has won an award of Rs. 1.12 crore for better performance in the enrolment of girls (age-group 6-14) and adult literacy for women. Against the enrolment target of 12.02 lakhs girls during 1983-84, 12.83 lakhs girls students were enrolled. 74,703 women were enrolled under Adult Education Programme, out of the total achievement of 1,13,113 (Male + Female), against target of 1,00,000 (M+F).

Achievements 1984-85

22.6. Despite disturbed conditions, the overall performance of the Punjab State in the implementation of 20-Point Programme was 82.1 per cent during 1984-85. The performance of the Punjab State was 100 per cent or more in respect of 12 items, namely, IRDP-Point No. 3A, NREP-Point No. 3B, RLEGP-Point No. 3C, Surplus Land-Point No. 4, Drinking water to problem villages-Point No. 8, Construction assistance-Point No. 9B, Slum improvement-Point No. 10A, Trees Plantation-Point No. 12A, Bio-gas

(States)-Point No. 12B, Sterilisations-Point No. 13, Sub-Centres-Point No. 14B and Village and Small Scale Industries Units-Point No. 18. The achievement of two items, namely, S.C. Families to be economically assisted-Point No. 7 and Pump-sets energisation-Point No. 11B was between 80% to 90%. The Punjab State has topped in the country in the implementation of the Programme 'Slum Improvement'. Under this Programme the State has covered 1,80,127 persons during the year 1984-85, against the target of 45,000 thereby making an achievement of 400.28%. An incentive grant of Rs. 61 lakhs has so far been given by Government of India to the Punjab State for making achievement over and above the approved annual plan targets, for providing the basic civic amenities viz., drinking water, sewers, storm water drains, community baths and laterins, paving of existing lanes and pathways and street lighting in the identified slum areas. The achievements for the year 1984-85 are given in Annexure III.

Seventh Plan (1985-90) and Annual Plan 1985-86

22.7. Keeping the importance and basic objectives of the programme in view, the State has provided an outlay of Rs. 2698.61 crores both on the Plan including Centrally Sponsored Schemes for the Seventh Plan (1985-90) and Rs. 436.26 crores for the Annual Plan 1985-86. The programme/scheme-wise outlays provided are given in the statement TPP-I and physical targets in statement TPP-II, appended to the Plan.

22.8. An outlay of Rs. 10.00 lakhs and Rs. 2.00 lakhs has been provided for the Seventh Plan (1985-90) and the Annual Plan 1985-86 respectively for the purposes of publicity, provisioning of staff and other related activities, for the implementation of 20-Point Programme and its promotion.

ANNEXURE I

Targets and Achievements—1982-83

Point No.	Item	Unit	Target 1982-83	Achievement	%age Performance
1	2	3	4	5	6
3 (A)	IRDP	.. No. of families benefitted	70800	98435	139.03
(B)	NREP	.. Man-days employment generated	2800000	2828250	101.01
4	Surplus Land allotted	.. '000' acres	11.4*	5.543	48.62
			*Figures could not be reconciled with Government of India		
6	Bonded Labour Rehabilitation	..	There is no known incidence of bonded labour in the State.		
7	Families to be economically assisted				
(A)	S.C.	.. No.	84914	84452	99.46
(B)	S.T.	.. No.	There are no Scheduled Tribes in the State.		
8	Drinking water-problem villages covered	.. No. of villages	70	77	110.00
9 (A)	House sites allotted	..	All eligible persons have been allotted house-sites.		
(B)	Construction assistance provided	.. No.	5400	3475	64.35
10 (A)	Slum population covered	.. No.	60000	74592	124.32
(B)	E.W.S. houses provided	.. No.	14,611 (targets could not be reconciled with the G.O.I.)		
11	Rural Electrification :				
(A)	Villages to be electrified	.. No.	All the inhabited villages in the State have been electrified.		
(B)	Pump-sets to be energised	.. No.	20000	25766	128.83
12 (A)	Trees planted	.. No. ('000')	60000	60001	100.00
(B)	Bio-gas plants set-up	.. No.	2500	2562	102.48
13	Sterilisations to be done	.. No.	102000	135103	132.45
14	Sub-Centres set-up	.. No.	80	80	100.00
15	ICDS blocks sanctioned	.. No.	9	9	100.00
17	New Fair Price Shops opened	.. No.	No target fixed	153	—
18	Village and Small units set up	.. No.	11300	11502	101.79

ANNEXURE II

Targets and Achievements—1983-84

Point No.	Item	Unit	Target 1983-84	Achievement	%age Performance
1	2	3	4	5	6
3	(A) IRDP	.. No. of families benefitted	70800	72963	103.06
	(B) NREP	.. Mandays employment generated	2750000	1745342	63.50
4	Surplus Land allotted	.. '000' acres	2	2.690	134.50
6	Bonded Labour Rehabilitation	..	There is no known incidence of bonded labour in the State		
7	Families to be economically assisted				
	(A) S.C.	.. No.	95431	91608	96.00
	(B) S.T.	.. No.	There are no Scheduled Tribes in the State		
8	Drinking Water-Problem villages covered	.. No. of villages	125	165	132.00
9	(A) House sites allotted	..	All eligible persons have been allotted house sites		
	(B) Construction assistance provided	.. No.	4500	1556	34.58
10	(A) Slum population covered	.. No.	165000	190616	115.52
	(B) E.W.S. houses provided	.. No.	1500	1449	96.60
11	Rural Electrification :				
	(A) Villages to be electrified	.. No.	All inhabited villages in the State have been electrified		
	(B) Pump-sets to be energised	.. No.	25000	47545	190.18
12	(A) Trees planted	.. No. '000'	69000	67037	97.16
	(B) Bio-gas plants set up	.. No.	1500	1228	81.87
13	Sterilisations to be done	.. No.	128000	140246	109.57
14	(A) PHC's to be set up	.. No.	No target fixed. The existing net work is adequate		
	(B) Sub-Centres to be set-up	.. No.	100	100	100.00
15	ICDS Blocks sanctioned	.. No.	12	12	100.00
17	Fair price shops	.. No.	No target fixed. The existing distribution system in the State is fairly adequate		
18	Village and Small Scale Units set-up	.. No.	11700	11908	101.78

ANNEXURE III
Targets and Achievements 1984-85

Point No.	Item	Unit	Target 1984-85	Achievement	%age Performance
1	2	3	4	5	6
3	(A) IRDP	.. No. of families benefitted	70800	74136	104.71
	(B) NREP	.. Man-days employment generated (in lakhs)	15.25	17.06	111.87
	(C) RLEGP	.. ..	20.41	20.95	102.65
4	Surplus Land allotted	.. Acres	900	997	110.78
6	Bonded Labour Rehabilitation	..	There is no known incidence of bonded labour in the State		
7	Families to be economically assisted	..			
	(A) S.C.	.. Number	99107	85083	85.85
	(B) S.T.	..	There are no Scheduled Tribes in the State		
8	Drinking water-problem villages to be covered	.. No. of villages	125	165	132.00
9	(A) House-sites allotted	.. Number	All eligible persons have been allotted house-sites		
	(B) Construction assistance provided	.. Number	900	929	103.22
10	(A) Slum population to be covered	.. Number	45000	180127	400.28
	(B) Houses for E.W.S.	.. Number	1000	Nil	—
11	Rural electrification :	..			
	(A) Villages to be electrified	..	All inhabited villages in the State have been electrified.		
	(B) Pump-sets to be energised	.. Number	30000	25459	84.86
12	(A) Trees to be planted	.. Number ('000')	52700	55804	105.89
	(B) Bio-gas plants to be set up	.. Number	1500	1868	124.53
13	Family Planning—Sterilisations done	.. Number	101250	116076	114.64
14	(A) PHC's to be set up	..	The existing net work is adequate. No target fixed		
	(B) Sub-Centres to be set up	.. Number	168	168	100.00
15	ICDS Blocks sanctioned	.. Number	No target fixed		
17	New Fair Price Shops opened	.. Number	No target fixed. The existing distribution system in the State is fairly adequate.		
18	Village and Small Scale Units set up	.. Number	11700	12044	102.94

Development of Backward Areas—Sub-Plan 1985-86

The process of declaring certain areas of the State as backward started so far back as 1956. Addition to these areas were made from time to time. The backward areas of the State have been classified into four distinct categories namely (i) Sub-montane Areas, (ii) Border Areas, (iii) Bet Areas and (iv) Other Backward Areas. The idea underlying the special classification is not only to have a clearer vision of the economic variations among these areas but also to narrow down the regional imbalance. The New 20 Point Economic Programme has expedited the process of removing the economic disparities both in the income levels of the people of these regions and the inter regional economic disequilibrium.

23.2. Three separate Advisory Councils one each for sub-montane, Border and Bet Areas have been set up with the Governor Punjab as Chairman to advise the Government in the matter of development of these areas.

23.3. As per decision of the Government, as far as possible, 40 per cent of the funds allocated under various divisible plan schemes are earmarked for backward areas. Funds earmarked for these areas are not to be diverted without the approval of the Government.

1. Sub-montane Areas :

23.4. The sub-montane region comprises Dera Bassi block of Patiala and all areas lying to the right side of the road from Chandigarh to Pathankot via Ropar, Hoshiarpur and Dasuya. It consisted of 1,535 villages with an area of 4,55,691 hectares and 10,09,527 persons according to the 1971 census.

23.5. 9 per cent of the funds under the divisible plan schemes are to be spent on this area. The expenditure incurred during 1981-82 was Rs. 1709.89 lacs and during the years 1982-83 and 1983-84 it was Rs. 1555.21 lakhs and Rs. 2041.74 lakhs respectively. In addition, an expenditure of Rs. 2557.22 lakhs was targetted to be spent during 1984-85. As regards 1985-86, an amount of Rs. 2096.37 lakhs is proposed to be spent in this region.

II. Border Areas :

23.6. The border belt which is 16 Kms. deep along the international border has 1,746 villages spread over an area of 6,77,057 hectares. Its population in 1971 was 12,72,612.

23.7. Government has decided to allocate 15 per cent of the funds available under divisible plan schemes for this area. The actual expenditure incurred on different development works in this area during 1981-82 was Rs. 742.94 lakhs and the same during the succeeding years 1982-83 and 1983-84 was Rs. 227.14 lakhs and Rs. 591.59 lakhs

respectively. Besides, an expenditure of Rs. 1021.22 lakhs was targetted to be spent during 1984-85. As regards the year 1985-86, an amount of Rs. 415.30 lakhs is proposed to be spent in this region.

III. Bet Area :

23.8. The area falling within five Kms. from the centre of the bed of each river on either side has been declared as bet area. This region consists of 1,219 villages with an area of 3,73,889 hectares habited by 6,43,248 persons as per 1971 census.

23.9. Government has decided to allocate four per cent of outlays under the divisible plan schemes on the multidimensional development works in the bet area. The actual expenditure incurred in the Bet Zone during 1981-82, 1982-83 and 1983-84, was Rs. 337.39 lakhs, 228.32 lakhs and 321.26 lakhs respectively. Another expenditure of the order of Rs. 414.57 lakhs was aimed to be spent during the year 1984-85. As regards the year 1985-86, an amount of Rs. 192.97 lakhs is proposed to be spent in this region.

IV. Other Backward Areas :

23.10. Areas declared backward by the Punjab Government from time to time and not covered under the aforementioned categories are known as other backward areas, a lion's share of which forms parts of Hoshiarpur and Kapurthala districts, Nathana sub-tehsil and Mansa tehsil of Bhatinda District, Sunam tehsil of Sangrur district and Samana tehsil of Patiala district also cover a considerable portion of this area. In all, there are 1,938 villages with an area of 7,74,880 hectares in this category with a population of 16,64,277 as per 1971 census. The development needs of these areas differ from block to block and even from village to village.

23.11. The Government have decided to earmark 12 per cent funds under divisible plan schemes for uplift of the people residing in these areas. The actual expenditure incurred 1981-82, 1982-83 and 1983-84 on the development activities in this region was Rs. 643.14 lakhs, Rs. 399.08 lakhs and Rs. 532.92 lakhs respectively. An expenditure of Rs. 992.22 lakhs was targetted to be spent during 1984-85. As regards the year 1985-86, a sum of Rs. 453.79 lakhs is proposed to be spent in this region.

23.12. Following is the description of the major programmes of economic development proposed to be undertaken in these areas during 1985-86.

Agriculture and Allied Sectors :

Agriculture

23.13. Under the scheme A(P)10.1—Demonstration of Kallar land and Reclamation of Kallar

lands in Punjab, Gypsum which is the main ingredient for reclamation will be made available to the farmers on highly subsidized rates, i.e., 75 per cent subsidy for the small and marginal farmers and 50 per cent subsidy for others through a chain of depots already set up for this purpose. Outlays of Rs. 27.00 lakhs for sub-montane, Rs. 45.00 lakhs for border, Rs. 12.00 lakhs for the bet and Rs. 36.00 lakhs for other backward areas of the State have been proposed in the Annual Plan 1985-86 for the supply of 10,000 tonnes, 30,000 tonnes, 15,000 tonnes and 22,500 tonnes of Gypsum in these areas respectively.

23.14. Under the scheme A(P) 6.1 'Ground spraying of crops/mobile ground spray units' Pesticides of genuine quality will be purchased and supplied to the small farmers at no profit no loss basis. Spraying will be done in 12.50 (000) hectares in sub-montane areas, 20.50 (000) hectares in Border area, 15.00 (000) hectares in bet area and 15.00 (000) hectares in other backward areas for which allocation of Rs. 11.25 lakh, Rs. 18.75 lakhs Rs. 5.09 lakhs and Rs. 15.00 lakhs respectively have been proposed to be spent during 1985-86. Under another scheme A(P)6.3 'Intensification of Plant protection work' pesticides and plant protection equipment is supplied on subsidized rates in the Border Area of the State. Funds of the order of Rs. 0.90 lakhs for sub-montane, Rs. 1.50 lakhs for border, Rs. 0.40 lakhs for bet and Rs. 1.20 lakhs for other backward areas have been set aside in the Annual Plan 1985-86 to carry out effective campaigns against rats which pose a serious threat to the crops on the field. 425,000 hectares in sub-montane areas, 360,000 hectares in border, 1,25,000 hectares in bet and 2,25,000 hectares in backward areas of the State is proposed to be covered under this programme during 1985-86.

23.15. The Department of Horticulture has proposed a sum of Rs. 39.37 lakhs, Rs. 13.95 lakhs, Rs. 3.72 lakhs and Rs. 20.16 lakhs for popularisation of Horticulture activities in sub-montane, border, bet, and other backward areas respectively of the State. Pointed attention would be paid to the setting up of gardens and nurseries on seed farms. As many as 4700 hectares will be covered in these backward regions taken together. Other activities likely to receive attention are production and multiplication of vegetable seed, the development of vegetables in rural areas, Community canning centres and Fruit preservation laboratories through provision of financial assistance for Horticultural activities at subsidized rate of interest by involving the Commercial banks. The details of these schemes are given at Annexure II.

Soil Conservation :

23.16. The Soil Conservation Department has formulated four schemes and the entire outlay of these schemes is exclusively for sub-montane areas. These schemes are (i) Soil and water conservation on watershed basis, (ii) Pilot Project on Development of Kandi area with World Bank Assistance, (iii) Pilot Project for Soil and Water Conservation works in rainfed areas on Suk homajri pattern and (iv) scheme for processing Technology. The 5th scheme viz.,

"Soil Water Conservation Programme" is to cover all the Backward Areas. In all an amount of Rs. 220.40 lakhs for sub-montane, Rs. 9.00 lakhs for border and Rs. 2.40 lakhs for bet and Rs. 7.20 lakhs for other backward areas has been proposed in the Annual Plan 1985-86.

Animal Husbandry :

23.17. Animal Husbandry Department has focused its attention on ameliorating the quality of the milch cattle, poultry and piggery etc. by improving their breed. Under the World Bank Assisted Kandi Watershed and Area Development Project, the Animal Husbandry component is Rs. 144.19 lakhs. As many as 400 cross-bred high yielding buffaloes will be supplied to the local people to replace the existing low yielding stock during 1985-86. The total outlay for sub-montane belt under different schemes of the department (including the Kandi project) comes to Rs. 71.86 lakhs for 1985-86. The outlay for 1985-86 for border, bet and other backward areas has been fixed at Rs. 6.85 lakhs, Rs. 34.52 lakhs and Rs. 1.87 lakhs respectively under different schemes of the department i.e. 'Expansion of Government Holstein Frasier Cattle Breeding Farm, Mattewara', 'Setting up of Bull Stations-cum-Semen Bank', 'L. N. Plants', 'Expansion of Sheep Breeding Farm Mattewara', 'Additional Production of day-old pullets at State Poultry Farms' etc.

Dairy Development :

23.18. With a view to enabling inhabitants of sub-montane, Border, Bet and other Backward areas to earn supplemental incomes by providing regular and remunerative marketing facilities through out the year by establishing Milk Chiling Centres. a sum of Rs. 15.40 lakhs has been provided for the completion of 4 such centres.

Fisheries :

23.19. To augment fish production in the sub-montane areas of the State, Fisheries Department has provided an amount of Rs. 41.00 lakhs for sub-montane areas for the year 1985-86. During the year 1984-85 construction work of Fish Seed Farm at Bagpur Kamlesh was taken up. The work is in progress and will be completed during the year 1985-86.

Forests :

23.20. The Forests Department will undertake afforestation works over 10459 hectares of sub-montane areas. This includes 3750 hectares to be covered under a 100% Centrally Sponsored Scheme 'Soil Water and Tree Conservation in Himalayas' and 6,000 Hectares in Kandi Watershed and Area Development Project.

Community Development and Panchayats :

23.21. Under the scheme (i) Financial Assistance to Panchayats/Panchayat Samities/Zila Parishads, for revenue earning schemes (ii) Payment of streets

and construction of drains and (iii) Assistance to Panchayats for expenditure on Panchayat works on outlay of the order of Rs. 53.08 lakhs, Rs. 88.47 lakhs, Rs. 27.59 lakhs and Rs. 70.77 lakhs is proposed to be spent during the year 1985-86 in the sub-montane, border, bet and other backward areas of the State respectively. 121 villages in sub-montane areas, 201 villages in border areas, 54 villages in bet areas, 161 villages in other backward areas will be benefited under these programmes during the year 1985-86.

Irrigation and Power :

23.22. Since the sub-montane region of the State is strewn with choes, upper catchment areas have become the worst victims of erosion as a result of indiscriminate grazing and breaking up of sloping lands for agriculture. As a result of this the necessity for vegetable growth especially in the upper catchment areas has become indispensable. The areas are severely eroded and the adverse repercussions of flashy run off are felt in plain areas of the State. This being the background, with a view to checking the menace of floods and to promote irrigation facilities, an outlay of Rs. 400.00 lakhs has been provided for the year 1985-86 for low dams kandi areas.

23.23. Dholbaha Project will store the flood waters of Dholbaha Choe for irrigation purpose besides moderating the flood fury. In addition, the dam will also reclaim the area lying under the choe. A sum of Rs. 200.00 lakhs has been set a part for this project during 1985-86 under the World Bank assisted Kandi Watershed and Area Development Programme.

23.24. The scheme (Extension and Improvement of Shah Nehar Canal System) would provide assured and regular supplies to Shahnehar Canal System on its completion for which an outlay of Rs. 300.00 lakhs has been provided for the current year 1985-86.

23.25. The Punjab State Electricity Board proposes to provide connections to 7,600, 16,200, 7,075 and 16,200 tubewells in submontane, border, bet and other backward areas respectively under the schemes R.E.C. General and small industrial connections.

Industries :

23.26. An outlay of Rs. 10.67 lakhs, Rs. 0.75 lakh and Rs. 0.60 lakh respectively has been provided for the development of handicraft industries in the sub-montane border and other backward areas. A sum of Rs. 10.02 lakhs has been provided for the development of Sericulture Industries in the sub-montane Areas.

Transport and Communications :

23.27. For providing surfacing, first coat/second coat on roads already metalled etc, the

Department proposes to spend Rs. 1150.00 lakhs during 1985-86. Out of this, an outlay of Rs.103.50 lakhs in sub-montane areas, Rs. 8.25 lakhs in border areas, Rs. 46.00 lakhs in bet areas and Rs. 138 lakhs in other backward areas will be spent during 1985-86.

Education :

23.28. Education is one of the most crucial determinants of economic development. For provision/expansion of the educational facilities in economically backward areas of the State. The Department of Education proposes to spend Rs. 15.27 lakhs in sub-montane, Rs. 23.48 lakhs in border, Rs. 7.73 lakhs in bet and Rs. 16.91 lakhs in other backward areas during the Annual Plan 1985-86. The major programmes which are likely to receive considerable attention will be Improvement of Primary Education, Upgrading of Government Primary Schools to Middle Schools and Middle Schools to High Standard.

Health :

23.29. For providing better Health amenities in the backward areas of the State an outlay of the order of Rs. 61.49 lakhs, Rs. 102.91 lakhs, Rs. 27.63 lakhs and Rs. 82.49 lakhs have been earmarked in the Annual Plan 1985-86 for sub-montane, border, bet and other backward areas respectively. The main schemes on which the amount will be expanded during 1985-86 are 'Opening of Subsidiary Health Centres', 'Establishment of 25-bedded Block Level Rural Hospitals' and 'Upgradation of existing Hospitals'.

Housing :

23.30 The problem of shortage of residential accommodation has become very serious in the State. With a view to combating this problem effectively, the Department of Housing proposes to spend Rs. 2.70 lakhs in sub-montane, Rs. 4.50 lakhs in border and Rs. 1.20 lakhs in bet and Rs. 3.60 lakhs in other backward areas of the State under the three schemes, namely, (i) 'Loan for Low Income Group Houses', (ii) 'Middle Income Group Houses' and (iii) 'Village Housing Project'.

Welfare of Scheduled Castes and Backward Classes

23.31, The Department of Welfare of Scheduled Castes and Backward Classes has kept apart an outlay of Rs. 10.53 lakhs for sub-montane, Rs. 17.55 lakhs for border areas, Rs. 4.68 lakhs for bet areas and Rs. 14.04 lakhs for other backward areas for the year 1985-86. The Department will concentrate mainly on the schemes relating to land purchase, construction of Dharamshala/Chaupals, Environmental improvement of Harijan Bastis and construction of Houses for Vimukat Jatis.

ANNEXURE—I

Allocation under different Heads of Development for Backward Areas of Punjab during Annual Plan, 1985-86

(Rs. in lakhs)

Serial No.	Sector of Development	Divisible State Plan Outlay	Flow to				Total
			Sub-Montane	Border	Bet	Other Backward	
1	2	3	4	5	6	7	8
I. Agriculture and Allied Sectors							
	(i) Agriculture	.. 435.00	39.15 (9.00)	65.25 (15.00)	17.40 (4.00)	52.20 (12.00)	174.00 (40.00)
	(ii) Horticulture	.. 133.00	39.37 (29.60)	13.95 (10.49)	3.72 (2.79)	20.16 (15.16)	77.20 (58.05)
	Sub-Total	.. 568.00	78.52 (13.82)	79.20 (13.94)	21.12 (3.78)	72.36 (12.74)	251.20 (44.22)
2.	Soil Conservation	.. 275.00	220.40 (80.15)	9.00 (3.27)	2.40 (8.72)	7.20 (2.62)	239.00 (86.91)
3.	Animal Husbandry	.. 144.19	71.86 (49.83)	6.85 (4.75)	34.54 (23.95)	1.87 (1.29)	115.12 (79.84)
4.	Dairying and Milk Supply	.. 15.40	—	8.00 (51.94)	5.40 (35.06)	2.00 (12.98)	15.40 (100.00)
5.	Fisheries	.. 51.00	41.20 (80.39)	4.20 (8.23)	—	—	45.20 (88.62)
6.	Forests	.. 849.50	483.16 (56.87)	58.08 (6.84)	12.48 (1.47)	37.44 (4.40)	591.16 (69.59)
7.	Community Development and Panchayats	.. 589.80	53.08 (8.99)	88.47 (15.00)	27.59 (4.68)	70.77 (11.99)	239.91 (40.68)
	Sub-Total	.. 1924.89	869.50 (45.17)	174.60 (9.07)	82.41 (4.28)	119.28 (6.19)	1245.79 (64.72)
II. Irrigation and Power—							
	(i) Irrigation	.. 935.04	935.04 (100.00)	—	—	—	935.04 (100.00)
	(ii) Power	.. —	—	—	—	—	—
	Sub-Total	.. 935.04	935.04 (100.00)	—	—	—	935.04 (100.00)
III. Industries							
		.. 15.22	10.67 (70.10)	0.75 (4.92)	—	0.60 (3.94)	12.02 (78.97)
IV. Transport & Communication, Roads and Bridges							
		1150.00	103.50 (9.00)	8.25 (7.17)	46.00 (8.69)	138.00 (12.00)	295.75 (25.71)
V. Social & Community Services							
I (i) Primary							
		.. 55.00	4.95 (9.00)	8.26 (15.02)	2.20 (4.00)	6.51 (11.84)	21.92 (39.85)
	(ii) School	.. 193.27	15.27 (7.90)	23.48 (12.15)	7.73 (3.99)	16.91 (8.75)	63.39 (32.79)
	Total	.. 1413.49	134.39 (9.50)	49.74 (2.88)	55.93 (3.96)	162.02 (11.46)	393.08 (27.81)

ANNEXURE—I—concl

Allocation under different Heads of Development for Backward Areas of Punjab during Annual Plan 1985-86 —concl

(Rs. in lakhs)

Serial No.	Sector of Development	Divisible State Plan Outlay	Flow to				Total
			Sub-Montane	Border	Bet	Other Backward	
1	2	3	4	5	6	7	8
2.	Health	690.74	61.49 (8.90)	102.91 (14.89)	27.63 (4.00)	82.49 (11.19)	274.52 (39.74)
3.	Housing	30.00	2.70 (9.00)	4.50 (15.00)	1.20 (4.00)	3.60 (12.00)	12.00 (40.00)
4.	Welfare of Scheduled Castes and Backward Classes	117.00	10.53 (9.00)	17.55 (15.00)	4.68 (4.00)	14.04 (12.00)	46.80 (40.00)
	Total	837.74	74.72 (8.91)	124.96 (14.92)	33.51 (4.00)	100.13 (11.95)	333.32 (39.79)
	Grand Total	5679.16	2092.17 (36.84)	419.50 (7.38)	192.97 (3.39)	453.79 (7.99)	3158.43 (55.61)

ANNEXURE—II
Scheme-wise Allocation/Physical Targets for Backward Areas of Punjab during Annual Plan 1985-86

(Rs. in lakhs)

Serial No.	Name of the Scheme	Flow to					Unit	Physical Targets				
		State Plan Divisible Outlay	Sub-montane	Border	Bet	Other Backward Areas		Sub-montane	Border	Bet	Other Backward / reas	
1	2	3	4	5	6	7	8	9	10	11	12	
I. Agriculture and Allied Sectors												
<i>(i) Agriculture</i>												
1.	A (P) 6.1	Ground Spraying of Crops/ Mobile Ground Spray Units	125.00	11.25	18.75	5.00	15.00	000 Hect.	12.50	20.50	5.00	15.00
2.	A (P) 6.3	Intensification of Plant Production Works	10.00	0.90	1.50	0.40	1.20	000 Hect.	425	360	125	320
3.	A (P) 10.1	Reclamation of Kallar Lands in Punjab	300.00	27.00	45.00	12.00	36.00	Tonnes Gypsum	10000	30000	15000	22500
		Sub-Total	435.00	39.15	65.25	17.40	52.20					
<i>(ii) Horticulture</i>												
1.	A (P) 201	Estt. of Directorate of Horticulture	35.00	3.15	5.25	1.40	4.20	Staff Scheme				
2.	A(P) 20.2	Strengthening of Horticulture in the State	3.00	0.27	0.45	0.12	0.36	Staff Scheme				
3.	A(P) 21.1	Development of Horticulture in the State	30.00	2.70	4.50	1.20	3.60	Hect.	520	400	130	650
4.	A(P) 21.2	Development of Horticulture in Kandi Area	30.00	30.00	—	—	—	Hect.	—	—	—	—
5.	A(P) 21.3	Control of insects/Pests and diseases	20.00	1.80	3.00	0.80	2.40	—	—	—	—	—
6.	A(P) 22.1	Prod. & Mult. of Potato Seed and Dev. of Veg. in rural areas	9.00	—	—	—	9.00	—	—	—	—	—
7.	A(P) 23.1	Demonstration-cum-Fruit Pre. Labs. & C.C. Centres	5.00	0.45	0.75	0.20	0.60	Fruit Pre. person	2800 1500	4500 2000	200 100	3300 1400
8.	A(P) 24.1	Setting up Analytical Lab.	1.00	1.00	—	—	—	—	—	—	—	—
9.	A(P) 25.3	Setting up Information Unit and Training Centres in Department of Horticulture	—	—	—	—	—	—	—	—	—	—
		Sub-Total	133.00	39.37	13.95	3.72	20.16					
II. Soil Conservation												
1.	SC(A) 3.1	Pilot Project for Development of Kandi Area with World Bank Assistance	100.00	100.00	—	—	—	Hect.	1550	—	—	—
2.	SC(A) 3.2	Soil & Water Conservation on watershed basis in Kandi Non-project Areas	90.00	90.00	—	—	—	Hect.	2665	—	—	—
3.	SC(A) 3.3	Pilot Demonstration soil Conservation Project in Kandi Tract on Sakhomajri pattern	15.00	15.00	—	—	—	Hect.	75	—	—	—
4.	SC(A) 3.6	Scheme for Water Harvesting Technology in Ecologically Handicapped Areas-Backward Areas-Kandi Areas	10.00	10.00	—	—	—	Hect.	60	—	—	—
5.	SC(A) 3.7	Soil Water Conservation Programme in other areas of the State	60.00	5.40	9.00	2.40	7.20	—	—	—	—	—
		Sub-Head	275.00	220.40	9.00	2.40	7.20					

ANNEXURE—II

Schemes-wise Allowcation Physical Targets for Backward Areas of Punjab during Annual Plan 1985-86

(Rs in lakhs)

1	Name of the Scheme	Flow to					Unit	Physical Targets			
		State plan divisible outlay	Sub-montane	Border	Bet	Other backward areas		Sub-montane	Border	Bet	Other backward areas
1	2	3	4	5	6	7	8	9	10	11	12
Animal Husbandry											
AH 2.1	Opening of new Vety. Disps. and strengthening and improvement of existing ones	3.50	0.32	0.53	0.14	0.42	Disp. (No.)	1	1	—	1
AH 2.2	Upgrading of Vety. Disps. units into Hospitals	9.00	0.81	1.35	0.36	1.08	Hosp. (No.)	1	1	—	1
AH 5.5	Expansion of Govt. Holstein Friesian Cattle Breeding Farm, Mattewara/Jersey Cattle Breeding Farm, Ropar	7.13	2.13	—	5.00	—	Farms	1	—	—	—
AH 5.6	Setting up of Bull Stations-cum-Semen Banks and LN Plants	25.00	—	—	20.00	—	No.	—	—	1	—
AH 6.1	Additional Production of day old pullets at State Poultry Farms	16.16	—	2.30	—	—	No.	—	1	—	—
AH 7.1	Supply of exotic/CB rams for to S & W E Centre	2.30	—	2.30	—	—	No.	—	3	—	—
AH 7.4	Expansion of Govt. Sheep Breeding Farms, Mattewara/Dhar	4.08	2.00	—	2.08	—	No.	1	—	1	—
AH 8.1	Expansion of Pig Breeding Farms	11.54	6.60	—	4.94	—	No.	1	—	1	—
AH 9.2	Kandi Watershed and Area Dev. Project Livestock Dev. Programme	60.00	60.00	—	—	—	No.	400	—	—	—
AH 9.6	Establishment of Horse and Mule Breeding Centres	1.50	—	0.37	—	3.07	No.	1	1	—	1
AH 10.1	Intensification of existing Forage Material production Farms	3.98	—	—	2.00	—	No.	—	—	1	—
	Sub-Total	144.19	71.86	6.85	34.52	1.87					
Dairy and Milk Supply—											
DM 2.6	Estt. of Milk Chilling-cum-Demonstration centres in sub-montane, border, bet and other backward areas of the state	15.40	—	8.00	5.40	2.00	Nos.	—	2	1	1
	Sub-Total	15.40	—	8.00	5.40	2.00	Nos.				
Fisheries											
FH 3.2	Scheme for Fish Culture	5.00	5.00	—	—	—	No.	1	—	—	—
FH 3.4	Development of Fisheries in Kandi Watershed Area Development Project-World Bank Assisted	36.00	36.00	—	—	—	No.	2	—	—	—
FH 6.3	Assistance to FFDA Gurdaspur Jalandhar/Amritsar/Ludhiana and Sangrur	10.00	4.20	4.20	—	—	Hects.	250.00	—	—	—
	Sub-Total	51.00	41.20	4.20	—	—					

Serial No.	Name of the Scheme	Flow to					Unit	Physical Target			
		State plan divisible outlay	Sub-montane	Border	Bet	Other backward areas		Sub-montane	Border	Bet	Other backward areas
1	2	3	4	5	6	7	8	10	11	12	
6. Forests											
FT 3.2	Social Forestry including Rural Fuelwood Plantations (C.S.)	150.00	13.50	23.00	6.00	18.00	Hect.	142	575	70	189
FT 3.3	Raising of Forest Plantations on Govt. lands	162.00	14.58	24.30	6.48	19.44	Hect.	112	117	38	115
FT 3.4	Soil Water and Tree Conservation in Himalayas (C.S.)	150.00	150.00	—	—	—	Hect.	3750	—	—	—
FT 3.8	Establishment of Silvopastoral Farms for Kandi Areas	1.00	1.00	—	—	—	Hect.	40	—	—	—
FT 3.7	Farm Forestry	60.00	7.90	1.30	—	—	Plants in lakhs	11.79	1.94	—	—
	Sub-Total	523.30	186.98	48.60	12.48	37.44					
Soil Conservation (Forest Part)											
SC(F) I	Soil and Water Conservation on watershed basis in Kandi and non-project area	13.00	7.50	—	—	—	Hect.	187	—	—	—
SC (F) II	Kandi Watershed and Area Development Project	230.00	230.00	—	—	—	Hect.	6000	—	—	—
	Sub-Total	343.00	237.00	—	—	—					
N.R.E.P.											
	National Rural Employment Programme	63.20	5.68	9.48	—	—	Plants in Hect.	228	379.20	—	—
Assistance to Small and Marginal Farmers											
	Raising of fuel and fruit plantations on the land of small marginal farmers	20.00	8.00	—	—	—	No. of Plants in lacs	11.94	—	—	—
	Sub-Total	83.20	58.68	9.48	—	—					
	Total Forest	849.50	483.16	58.08	12.48	37.44					
7. Community Development and Panchayats											
CD 3.1	Financial Assistance to Panchayats/Panchayat Samiti/Zila Parishad for Exp. on RES	40.00	3.60	6.00	6.00	4.80	No.	5	7	2	6
CD 3.3	Pavement of streets and Construction of drains (in sullage water)	277.00	24.93	41.55	11.08	33.24	No. of villages	121	201	54	161
CD-3.4	Assistance to Panchayat for construction of Panchayat Ghars	20.00	1.80	3.00	0.40	2.40	Panchayats	7	12	3	10
NREP-3.1	Pavement of streets and construction of drains	252.80	22.75	37.92	10.11	30.33	—	—	—	—	Targets included in CD 3.3 scheme
		589.80	53.08	88.47	27.59	70.77					

ANNEXURE II

Scheme-wise Allocation/Physical Targets for Backward Areas of Puniab during Annual Plan 1985-86

(Rs in lakhs)

Serial No.	Name of the Schemes	Flow to						Physical Targets			
		State plan divisibls outlay	Sub-montane	Border	Bet	Other back-ward area	Unit	Sub-montane	Border	Bet	Other back-ward area
1	2	3	4	5	6	7	8	9	10	11	12
II Irrigation and Power											
1. Irrigation —											
IR-2.3	Dholbaha Dam	200.00	200.00	—	—	—	000 Hect	2.6	—	—	—
IR-2.2.	Diversion weir of Shahnchar canal system	5.04	5.04	—	—	—	Do	—	—	—	—
MIA-2.1	Low Dam in Kandi Area	400.00	400.00	—	—	—	Do	—	—	—	—
IR-2.7	Extension and Improvement of Shah Nehar Canal	300.00	300.00	—	—	—	Do	—	—	—	—
WD-1.5	Tech. Assistance Research and Training	30.00	30.00	—	—	—	Do	—	—	—	—
	Sub-Total	935.04	935.04	—	—	—	—	—	—	—	—
2. Power											
1 Normal Development Release of:—											
	(i) General connections						Nos.	7000	12000	6000	15000
	(ii) Industrial connections						Nos.	100	200	75	220
2 Rural Electrifications:—											
	Release of Tubewell connections						Nos.	5000	4000	1000	1000
	Sub-Total	935.04	935.04	—	—	—	—	—	—	—	—
III. Industries											
IN-5.1	Dev. of Handicraft industries	5.00	0.45	0.75	—	0.60	No. of trainees	25	50	—	25
IN-6.1	Dev. of Sericulture Industries	10.22	10.22	—	—	—	No. of persons	1000	—	—	—
	Sub-Total	15.22	10.67	0.75	—	0.60	—	—	—	—	—
IV. Transport and Communication											
Roads and Bridges :											
RD1.1	Main roads and missing links	30.00	2.70	4.50	1.20	3.60	Kms	1.00	2.00	2.00	1.00
RD-1.2	Improving/Widening of existing Roads	500.00	45.00	75.00	20.00	60.00	Kms	40.00	70.00	18.00	60.00
RD-4.1	Bridges	525.00	47.25	48.75	21.00	63.00	Nos.	2	2	1	4
RD-5.3	Bye-passes	40.00	3.60	6.00	1.60	4.80	Kms.	—	—	—	2.00
RD-3.1	Village-Roads	55.00	4.95	8.25	2.20	6.60	Kms.	5.00	—	—	2.00
	Sub-Total	1150.00	103.50	8.25	46.00	138.00	—	—	—	—	—

ANNEXURE II

Scheme-wise Allocation/Physical Targets for Backward Areas of Punjab during Annual Plan 1985-86

(Rs in lakhs)

Serial No.	Name of the Scheme	Flow to					Unit	Physical Targets			
		State Plan divisible outlay	Sub-montane	Border	Bet	Other backward areas		Sub-montane	Border	Bet	Other backward Areas
1	2	3	4	5	6	7	8	9	10	11	12
V. Social and Community Services											
1. General Education, Elementary Education I-V											
ED 1.1(a)	Ogning of Single Teachers Primary schools	0.70	0.06	0.11	0.03	0.08	No.of schools	5	5	5	
ED 1.1(i)	Furniture for Govt. Pry. Schools	35.00	3.15	5.25	1.40	4.20	No.	Furniture will be provided.			
	(iii) Provision of part-time sweeper	1.88	0.17	0.28	0.07	.23	No.	800	800	800	800
	(iv) Lavatories and drinking water facilities	17.42	1.57	2.62	0.70	2.00	No.	696	696	696	696
	Sub-Tatal	55.00	4.95	8.26	2.20	6.51					
Middle School Education (Classes VI to VIII)											
ED2.1	Expansion of facility for full time Schools										
	(a) Furniture for Govt. Middle Schools and Middle Deptts. of High/Higher Secondary Schools	25.00	2.25	3.73	1.00	3.00	No.	45	75	20	6
	(b) Upgrading of Govt. Primary Schools to Middle Standard	6.00	0.54	0.90	0.24	0.72	10	1	2	—	
ED 2.5	(d) Supply of Science equipment and apparatus to Govt. Middle Schools	22.00	2.25	3.30	0.88	2.64	No.	45	66	18	5
ED 2.2	Expansion of facilities (Part-time introduction of non-formal Education in the Age Group 11-14)	7.75	—	1.16	0.31	0.93	No.	—	900	240	72
ED 2.7	Prov. of Lav. and drinking water facilities	25.00	—	3.75	1.00	3.00	No.	—	75	20	6
Secondary Education											
ED3.1	Exp. of facilities upgradation of GMS to High Standard	3.00	0.27	0.45	0.12	0.36	No.	—	1	—	
ED3.4	Improvement programmes										
	(b) Creation of posts of Lab. Attendants	20.00	1.80	3.00	0.80	0.24	No.	30	51	1	4
	(c) Supply of science Apparatus	40.00	3.60	6.00	1.60	0.48	No.	36	60	16	4

ANNEXURE—II

Scheme-wise Allocation/Physical Targets for Backward Areas of Punjab during Annual Plan 1985-86

(Rs. in lakhs)

Sl. No.	Name of the Scheme	Flow to					Unit	Physical Targets			
		State plan divisible outlay	Sub-montane	Border	Bet	Other backward areas		Sub-montane	Border	Bet	Other backward areas
1	2	3	4	5	6	7	8	9	10	11	12
(iii) Other improvement in schools—											
	(a) Introduction of Library Science in Govt. High/Higher Secondary Schools	5.00	0.45	0.75	0.20	0.60	No.	—	6	2	5
	(b) Improvement of High Schools Supply of Furniture	28.52	2.57	—	1.14	3.42	No.	27	—	12	36
	(v) Lavatory and Drinking water facilities for Girls Education	11.00	1.00	0.44	0.44	1.52	No.	1980	33	9	26
	Sub-total	193.27	15.27	23.48	7.73	16.91					
2. Health—											
PH 1.1	(a) Opening of P.H.Cs by upgrading S.H.Cs. (Dispensaries)	40.00	3.60	6.00	1.60	4.80	No.	4	6	2	5
PH 1.2	(a) Completion & Improvement of sub-centres	11.70	1.05	1.76	0.47	1.41	No.	4	—	2	6
PH 1.5	(b) (ii) Removing shortcomings in the existing sub-centres	85.00	7.65	12.75	3.40	10.20	No.	4	9	1	3
PH 1.5	(b) (i) Removing shortcomings in the existing S.H.Cs.	70.00	6.30	10.50	2.80	8.40	No.	3	6	2	6
PH 2.1	Establishment of 25/30 bedded Rural Hospital at block level (Removing of shortcomings)	30.00	2.70	4.50	1.20	3.60	No.	—	—	—	—
PH 2.2	Opening of Dental Clinics at block level/removing shortcomings	2.00	0.18	0.30	0.08	0.24	—	—	—	—	—
PH 1.4	Establishment of Community health centres	12.00	1.00	1.80	0.48	1.44	No.	1	—	—	—
PH 4.1	National Malaria Eradication Programme (Anti)	313.00	28.17	46.95	12.52	37.56	No.	—	—	—	—
PH 4.2	N.M.E.P. (Urban-anti-larvel)	49.75	4.48	7.46	1.99	5.97	No.	—	—	—	—
PH 4.7	Prov. of addl. lab. Tech. in each P.H.C.	5.00	0.45	0.75	0.20	0.60	No.	—	—	—	—
PH 3.1	Opening of new Dispensaries in Urban Slum Areas	2.00	0.18	0.30	0.08	0.24	No.	—	—	—	—
PH 3.3	Provincialisation of local Bodies Hospital/Dispensaries	1.00	—	0.15	0.04	0.12	No.	—	—	—	—
PH 3.4	(a) Upgradation of existing Hospitals	56.00	5.04	8.40	2.24	6.72	No.	—	—	—	—

ANNEXURE—II

Scheme-wise Allocation/Physical Targets for Backward Areas of Punjab during Annual Plan 1985-86

(Rs. in lakhs)

Serial No.	Name of the Scheme	Flow to					Unit	Physical Targets			
		State Plan divisible outlay	Sub-montane	Border	Bet	Other backward areas		Sub-montane	Border	Bet	Other backward areas
1	2	3	4	5	6	7	8	9	9	11	12
	(b) Removing shortcomings in the existing sub-Divisional other Hospitals and District Hospitals ..	104.00	9.36	15.60	4.16	12.48	No.	—	—	—	—
AY 1.2	Opening of I.S.M. Dispensaries	3.24	0.29	0.49	0.13	0.39	Nos.	—	1	—	1
HM 1.2	Opening of Homoeopathy Dispensaries in the State ..	10.05	0.40	0.80	0.40	0.80	No.	1	2	2	2
	Sub-total	690.74	61.49	102.91	27.63	82.49					
3. Housing—											
HG 2.3	Low Income Group Houses	10.00	0.90	1.50	0.40	1.20	Nos.	9	15	4	12
HG 2.6	Middle Income Group Housing	10.00	0.90	1.50	0.40	1.20	Nos.	4	7	2	6
HG 2.7	Village Housing Project Scheme	10.00	0.90	1.50	0.40	1.20	Nos.	18	30	8	24
	Sub-total	30.00	2.70	4.50	1.20	3.60					
4. Welfare of Scheduled Castes and Backward Classes—											
SC 2.1	Subsidy for the purchase of—										
	(i) Agriculture land ..	—	—	—	—	—	—	—	—	—	—
	(ii) Houses/Wells ..	—	—	—	—	—	—	—	—	—	—
	(iii) Stamp duty ..	—	—	—	—	—	—	—	—	—	—
SC 2.3	Construction of Dharamsalas and Chaupals ..	20.00	1.80	3.00	0.80	2.40	No.	87	87	23	70
SC 3.3	Environmental improvement of Harijan Basties including drinking water ..	82.00	7.38	12.30	3.28	9.84	No.	150	150	40	120
SC 3.4	Construction of Houses for Sweepers, scavengers and tanners etc. ..	10.00	0.90	1.50	0.40	1.20	No.	135	135	36	108
SC 4.4	Construction of Houses for Vimukat Jatis ..	5.00	0.45	0.75	0.20	0.60	No.	82	82	22	66
	Sub-total	117.00	10.53	17.55	4.68	14.04					

PART II

STATEMENTS

PART-II
STATEMENTS

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SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT I

HEADS OF DEVELOPMENT

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five Year Plan 1980-85 Approved outlay	1980-83	1983-84	1984-85		Seventh Plan 1985-90		1985-86	
			Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Exp't.	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10	11
I. Agriculture and Allied Services :										
Research and Education	01010	1000.00	620.35	255.34	310.00	360.00	1400.00	341.75	250.00	40.20
Crop Husbandry ..	01020	4586.25	1563.37	739.94	913.80	915.00	7825.00	3108.25	1227.00	414.80
Dryland/Rainfed farming ..	01021	—	—	—	—	1.00	100.00	—	15.00	—
Land-stock improvement ..	01022	2621.00	1324.85	446.66	304.40	404.40	3000.00	—	300.00	—
Soil and Water Conservation ..	01030	2060.00	840.47	418.34	507.00	507.00	3500.00	1270.00	545.00	186.00
Animal Husbandry	01040	1349.00	944.00	497.18	510.00	552.17	3300.00	358.70	445.00	54.00
Dairy Development	01050	236.00	165.16	48.91	55.00	50.18	440.00	170.00	49.00	20.50
Fisheries ..	01060	175.00	104.02	47.27	55.00	54.65	598.00	231.00	80.00	40.00
Forests ..	01070	1290.00	796.75	446.21	450.00	450.00	3200.00	220.00	500.00	32.79
Investment in Agricultural Financial Institutions ..	01080	1723.00	877.65	313.80	300.00	325.00	2500.00	2500.00	325.00	325.00
Marketing ..	01090	29.75	45.90	5.66	4.80	7.40	25.00	—	5.00	—
Storage and Warehousing ..	01100	120.00	67.00	25.00	25.00	25.00	125.00	125.00	25.00	25.00
Total (I) ..	01999	15190.00	7349.52	3244.31	3435.00	3651.80	26013.00	8324.70	3766.00	1138.29
II. Rural Development :										
Integrated Rural Development Programme (I.R.D.P.) ..	02010	1975.00	1131.58	483.25	472.00	472.00	1057.00	—	300.00	—
National Rural Employment Programme (N.R.E.P.) ..	02020	1625.00	502.12	275.00	324.00	319.93	1580.00	—	316.00	—
Other Programmes (to be specified) ..	02050	—	29.07	102.50	110.00	115.18	2110.00	—	112.00	—
Community Development & Panchayats ..	02060	1815.00	1535.36	661.04	666.00	664.89	3872.00	670.00	409.00	95.28
Land Reforms ..	02080	—	—	—	—	—	—	—	—	—
Total (II) ..	02999	5415.00	3198.13	1521.79	1572.00	1572.00	8619.00	670.00	1137.00	95.28

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT I

HEADS OF DEVELOPMENT

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-head of Development	Code No.	Sixth Five Year Plan 1980—85 Approved outlay	1980—83	1983-84	1984-85		Seventh Plan 1985—90		1985-86	
			Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expd.	Approved outlay	Of which capital content	Approved outlay	Of which capital content
1		3	4	5	6	7	8	9	10	11
III. Co-operation ..	03999	4150.00	2212.88	930.56	805.00	865.96	6585.00	5153.50	1007.00	836.50
IV. Irrigation and Flood Control :										
(a) Irrigation—										
(i) Water Development (Survey, Investiga- tion and Research)	04010	806.00	336.61	101.62	139.00	126.00	630.00	630.00	114.00	114.00
(ii) Major & Medium Irrigation Projects	04030	30927.00	12709.12	3926.76	4021.00	3285.00**	26448.00	26448.00	4809.00	4809.00
Sub-Total (i+ii)	04099	31733.00	13045.73	4028.38	4160.00	3411.00**	27078.00	27078.00	4923.00	4923.00
(b) Minor Irrigation	04100	1745.00	507.47	270.68	415.00	429.10	4622.00	4522.00	622.00	605.00
(c) Command Area Development	04110	3331.00	1917.00	530.00	575.00	900.00	1600.00	1600.00	600.00	600.00
(d) Flood Control Pro- jects (including Anti- sea Erosion)	04120	2100.00	1879.12	613.86	467.00	712.00	3700.00	3700.00	802.00	802.00
Total (IV)	04999	39653.00*	17349.32	5492.92	5617.00	5452.10**	37000.00	36900.00	6947.00	6930.00
V. Power :										
(i) Power Development (Survey, Investigation and Research)	05010	600.00	81.86	30.00	241.00	141.00	250.00	250.00	30.00	30.00
(ii) Multi-purpose River Valley Projects (Power Portion only)	05020	9702.00	2978.82	563.00	1923.00	1920.00	49771.00	49771.00	7479.00	7479.00
(iii) Power Projects (Generation)	05030	32358.00	25922.92	16628.00	14341.00	12578.90	64479.00	64479.00	11240.00	11240.00
(iv) Transmission and Distribution	05040	23500.00	11411.00	3494.00	4800.00	4685.00	43871.00	43871.00	4800.00	4800.00
(v) General (including Rural Electrification)	05050	7134.00	3858.00	690.00	200.00	182.00	5429.00	5429.00	891.00	891.00
Sub-total Power (PSEB)	—	73294.00	44252.60	21405.00	21505.00	19506.90	163800.00	163800.00	24440.00	24440.00
V. (a) New Sources of Energy including Bio-gas										
(i) Bio-gas (Agriculture Department)	05060	30.00	28.98	0.46	5.00	4.20	39.00	39.00	5.00	5.00
(ii) New and Renewable source of Energy	—	—	—	—	—	—	121.00	121.00	13.00	13.00
(iii) Integrated Rural Energy Programme (IREP)	—	—	—	—	—	—	90.00	90.00	17.00	17.00
Total V(a)	—	30.00	28.98	0.46	5.00	4.20	250.00	250.00	35.00	35.00
Total (V+Va)	05999	73324.00	44281.58	21405.46	21510.00	19511.10	164050.00	164050.00	24475.00	24475.00

*Includes an un-allocated provision of Rs. 194.00 lakhs

**Excludes Rs. 329.00 lakhs for carrying out repairs to Bhakra Main Line Canal caused by breaches.

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT I

HEADS OF DEVELOPMENT

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-head of Development	Code No.	Sixth Five Year Plan (1980—85) Approved outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
			Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Approved outlay	Of which Capital Content	Approved outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9	10	11
VI. Industry and Minerals										
Village and Small Industries ..	06010	2061·00	864·82	522·48	480·99	558·30	3460·00	3069·00	514·00	447·92
Medium and Large Industries ..	06020	6087·00	2852·30	1176·51	1215·01	1428·00	8831·00	8381·00	1390·00	1295·00
Mining ..	06030	20·00	16·10	1·75	3·00	3·00	30·00	20·00	4·00	4·00
Total (VI) ..	06999	8168·00	3733·22	1700·74	1699·00	1989·30	12321·00	11470·00	1908·00	1746·92
VII. Transport : Civil Aviation										
Roads and Bridges ..	07040	7000·00	3419·31	1441·00	1480·00	1280·00	9800·00	9800·00	1280·00	1280·00
Road Transport ..	07050	4000·00	3186·78	770·81	900·00	1200·00	8300·00	8300·00	1200·00	1200·00
Tourism ..	07070	255·00	106·00	25·00	25·00	25·00	200·00	200·00	20·00	20·00
Total (VII) ..	07999	11325·00	6768·59	2249·78	2419·00	2519·00	18420·00	18355·00	2520·00	2509·00
VIII. Scientific Services and Research S. & T. Programmes										
Environmental Programme (excluding Water pollution Control) ..	8020	—	—	—	5·00	5·00	100·00	—	15·00	—
Total (VIII) ..	08999	—	—	20·00	20·00	20·00	500·00	390·00	68·00	51·00
IX. Social and Community Services										
General Education ..	09010	4798·00	2334·25	1268·77	1242·88	1530·55	7962·00	840·00	1188·00	29·00
Art and Culture ..	09020	195·25	52·33	25·92	31·33	33·00	458·00	10·00	75·00	2·00
Technical Education ..	09030	300·00	80·39	46·39	60·00	163·65	2504·00	1455·25	260·00	162·65
Sports and Youth Services ..	09040	306·75	125·79	45·52	55·79	54·45	283·00	4·00	54·00	1·00
Sub-Total (Education) ..	09099	5600·00	2592·76	1386·60	1390·00	1781·65	11207·00	2309·25	1577·00	194·65
Medical (Excluding ESI) ..	09100	1700·00	782·77	267·42	402·90	531·23	2700·00	1247·25	496·00	231·00
Employees State Insurance Scheme ..	09110	62·00	25·29	12·05	18·75	18·75	75·00	—	10·00	—
Public Health and Sanitation ..	09120	3138·00	1826·92	848·40	928·35	1204·82	7575·00	3252·00	1049·00	334·41
Sub-Total (Health) ..	09129	4900·00	2634·98	1127·87	1350·00	1754·80	10350·00	4499·25	1555·00	565·41

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT I

HEADS OF DEVELOPMENT

OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five year Plan (1980-85) Approved outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985-90		1985-86	
					Appd. outlay	Anticipated Expd.	Approved outlay	Of which Capital Content	Approved outlay	Of which Capital Content
1		3	4	5	6	7	8	9	10	11
Sewerage and Water Supply ..	09130	13794.00	5747.11	1045.12	1351.00	1496.30	13050.00	13050.00	1551.00	1551.00
Housing (excluding Police Housing) ..	09140	4750.00	2588.05	997.87	955.00	1062.47	5174.00	5174.00	910.00	910.00
Police Housing ..	09150	985.00	442.10	77.35	185.00	180.60	2000.00	2000.00	250.00	250.00
Urban Development (excluding State capital Projects) ..	09160	2660.00	1589.41	387.28	398.00	852.70	4075.00	4025.00	818.00	809.00
Information and Publicity ..	09180	180.00	107.87	67.80	50.00	68.78	325.00	25.00	65.00	5.00
Labour and Labour Welfare ..	09190	245.00	127.00	52.64	69.00	73.28	350.00	151.00	70.00	39.50
Welfare of S. C. S. T. and other Backward Classes ..	09240	3200.00	1392.20	578.94	540.00	466.73	3500.00	410.00	500.00	46.60
Social Welfare ..	09220	507.00	292.24	198.36	165.00	173.79	700.00	277.00	120.00	60.00
Nutrition ..	09230	80.00	34.94	44.70	76.00	68.00	1650.00	—	252.00	—
Total (IX) ..	09999	36901.00	17548.66	5964.53	6529.00	7979.10	52381.00	32320.50	7668.00	4432.16
X. Economic Services										
Secretariat Economic Services ..	10010	50.00	10.29	5.00	10.00	10.00	65.00	—	5.00	—
Economic Advice and Statistics ..	10020	85.00	18.93	10.98	20.00	30.87	78.00	—	24.00	—
C R R I D ..	—	—	—	—	—	—	13.00	—	5.00	—
Weights and Measures	10030	15.00	3.66	—	3.00	3.00	10.00	10.00	2.00	2.00
Other General Economic Services (Economic Co-ordination and 20-Point Programme)	10040	—	—	—	2.00	0.10	10.00	—	2.00	..
Total (X) ..	10999	150.00	32.88	15.98	35.00	43.97	176.00	10.00	38.00	2.00
XI General Services										
Stationery and Printing	11010	60.00	20.72	65.19	40.00	40.55	300.00	7.40	50.00	4.00
Public Works ..	11020	1247.00	606.94	292.46	301.00	324.94	2000.00	2000.00	385.00	385.00
Civil Supplies (food)	11030	67.00	31.19	—	1.00	1.00	10.00	10.00	1.00	1.00
Others-Administrative Training Institute ..	11040	50.00	31.98	14.49	17.00	17.00	125.00	—	30.00	—
Total (XI) ..	11999	1424.00	690.83	372.14	359.00	383.49	2435.00	2017.40	466.00	390.00
Grand Total ..	..	195700.00	103165.61	42918.21	44000.00	43987.82	328500.00	279261.10	50000.00	42606.15

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) Approved outlay	1980—83		1983-84		1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital Content		
1	2	3	4	5	6	7	8	9	10		
PUNJAB AGRICULTURAL UNIVERSITY											
1. Research	1000.00	620.35	255.34	310.00	360.00	1400.00	341.75	250.00	40.20		
2. Agricultural Education, Extension and Farmers Training											
Total	1000.00	620.35	255.34	310.00	360.00	1400.00	341.75	250.00	40.20		
AGRICULTURE DEPARTMENT											
3. Direction and Administration—											
A(P)3.1	Re-organisation of Agriculture Department	77.50	36.13	13.36	14.00	14.00	90.00	—	15.00	—	
A(P)3.2*	Strengthening and reorganisation of Agricultural Extension and Administration (T & V Scheme)	—	—	—	—	—	500.00	65.00	10.00	2.00	
A(P) 3.3	Planning Cell in Directorate	4.00	—	—	1.10	0.20	6.25	—	1.00	—	
Total		81.50	36.13	13.36	15.10	14.20	596.25	65.00	26.00	2.00	
4. Multiplication and Distribution of Seeds—											
A(P)4.1	Seed certification Authority	10.00	5.61	4.00	1.50	1.50	10.00	—	2.00	—	
A(P)4.2	Seed Production and Distribution	5.00	0.65	—	—	—	—	—	—	—	
A(P)4.3	Contribution to Land Development and Reclamation Corporation	90.00	—	—	—	—	—	—	—	—	
A(P)4.4	Share capital to Panjab State Seeds Corporation	54.00	21.00	—	50.00	100.00	700.00	700.00	100.00	100.00	
A(P)4.5	Implementation of Seed Control order, 1983 under the essential Commodity Act, 1955	—	—	—	—	—	11.00	—	2.00	—	

*This Scheme, when implemented, will also include provision under the scheme A(P)3.1 Re-organisation of Agriculture Department.

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated outlay	Approved outlay	Of which Capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
A(P) 6.6 Scheme for the establishment of Pests and Diseases Surveillance service in Punjab (Sharing basis)	—	—	—	—	—	40.00	—	0.10 (Token)	—
Total	1710.00	677.40	245.62	250.50	196.50	1743.00	1150.00	270.60	179.30
7. Laboratories—									
A(P)7.1 Soil Testing Laboratories including Mobile Testing Laboratories	135.00	48.17	29.66	35.00	35.00	170.00	40.00	40.00	3.00
A(P)7.2 Seed Testing Laboratory	22.00	12.85	5.33	5.50	5.55	25.00	—	5.00	—
A(P)7.3 Fertilizer Quality Control Laboratory	54.00	15.61	3.63	4.85	3.20	68.00	18.00	15.00	3.00
A(P)7.4 Insecticides Testing Laboratory	52.00	13.52	2.93	5.00	3.85	32.00	2.00	5.00	2.00
Total	263.00	90.15	41.55	50.35	47.60	295.00	60.00	65.00	8.00
8. Commercial Crops—									
A(P)8.1 Development of Sugar Cane	98.43	61.57	22.33	35.00	37.51	250.00	—	45.00	—
A(P)8.2 Integrated Cotton Development Project Mukatsar	17.16	17.76	2.57	2.75	2.94	20.00	—	3.00	—
A(P)8.3 Intensive Cotton Development Programme including scheme for production of Nucleous Seed of Cotton (Sharing basis)	250.00	85.23	32.26	35.00	45.50	225.00	—	40.00	—
A(P) 8.4 Intensive Pulses Development Programme (Sharing basis)	20.00	5.72	3.20	5.00	3.85	25.00	—	4.50	—
A(P) 8.5 Intensive Oil Seed Development Programme	25.00	7.88	4.58	9.00	—	Made 100% centrally sponsored as National Oil Seed Development Project.			
Total	410.59	178.16	64.94	86.75	89.80	520.00	—	92.50	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) Approved outlay	1980—83		1983-84		1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content		
1	2	3	4	5	6	7	8	9	10		
Dry Land/Rainfed Farming—											
A(P)9.1 Dry land Farming (Sharing basis) ..	—	—	—	—	1.00	100.00	—	15.00	—		
Total ..	—	—	—	—	1.00	100.00	—	15.00	—		
LAND STOCK IMPROVEMENT											
10. Land Reclamation—											
A(P)10.1 Reclamation of Kallar Lands in Punjab ..	2621.00	1324.85	446.66	304.40	404.40	3000.00	—	300.00	—		
Total ..	2621.00	1324.85	446.66	304.40	404.40	3000.00	—	300.00	—		
11. Extension and Farmers Training—											
A(P) 11.1 Higher Training of Selected VLWs } ..	2.00	0.31	—	—	—	—	—	—	—		
A(P)11.2 Deputation of VLW's											
A(P) 11.3 Foreign-in-Service Training ..	1.70	1.83	—	—	—	—	—	—	—		
A(P) 11.4 Higher Training and Condensed course of in-Service ASI's and CI's ..	1.81	3.94	—	—	—	—	—	—	—		
A(P) 11.5 Farmers Training and Education in HYVP— Running of Farmers Training Centres in the State ..	81.80	50.67	26.60	25.00	31.00	180.00	—	35.00	—		
A(P)11.6 Grant to Institutions for organising Training Camps ..	17.80	10.56	8.65	5.00	5.00	40.00	—	6.00	—		
A(P) 11.7 Strengthening of Agri- cultural Information Centre at State/District level (Sharing basis)	—	—	—	—	—	10.00	—	1.00	—		
Total ..	105.11	67.31	35.25	30.00	36.00	230.00	—	42.00	—		

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEME :

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86		
		Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
12. Agricultural Engineering—										
A(P)12.1	Establishment of Testing Maintenance and Standard Certification of Agricultural Machinery	6.00	—	—	—	—	—	—	—	
A(P)12.2	Share Capital contribution to Punjab Agro-Industries Corporation	160.00	46.00	57.00	35.00	80.00	1000.00	1000.00	100.00	100.00
A(P)12.3	Popularisation of improved Agricultural Implements (sharing basis)	—	—	—	—	—	75.00	—	10.00	—
A(P)12.4	Provision of supply of improved Farm Storage to the Farmers	5.00	—	—	—	—	—	—	—	—
A(P)12.5	Import of two Rice Trans Planters from Democratic Peoples Republic of Korea	—	0.50	—	—	—	—	—	—	—
A(P)12.6	Intensification of Farm Mechanisation and Popularisation of Improved Agricultural Implements	54.00	24.61	12.17	10.00	10.00	Transferred to Non-Plan side			
Total		225.00	71.11	69.17	45.00	90.00	1075.00	1000.00	110.00	100.00
13. High Yielding Varieties Programme—										
A(P) 13.1	Intensive High Yielding Varieties Programme (Staff thereof)	220.00	143.60	60.55	54.00	57.50	290.00	—	60.00	—
Total		220.00	143.60	60.55	54.00	57.50	290.00	—	60.00	—
14. Agricultural Economics & Statistics—										
A(P)14.1	Field Staff of Statistical Wing of Agriculture Department	5.35	0.02	0.34	—	—	3.50	—	0.40	—
A(P) 14.2	Timely reporting revised calendar operation of Improved Crop Statistics (Sharing basis)	10.20	6.54	2.60	4.00	3.35	25.00	—	3.90	—
A(P)14.3	Sample Survey of Study of constraints in transfer of technology for increasing Agricultural production (Sharing basis)	—	—	—	0.50	0.10	2.50	—	0.50	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
A(P) 14.4 Agricultural Census	—	—	0.05	0.10	0.10	0.50	—	0.10	—
Total ..	15.55	6.56	2.99	4.60	3.55	31.50	—	4.90	—
15. Storage and Ware Housing—									
A(P) 15. Construction and Operation of Warehouses	120.00	67.00	25.00	25.00	25.00	125.00	125.00	25.00	25.00
Total ..	120.00	67.00	25.00	25.00	25.00	125.00	125.00	25.00	25.00
16. Agricultural Marketing and Quality Control—									
A(P)16.1 Grading of foodgrains and Oil seeds in regulated markets	4.75	12.52	5.66	4.80	7.40	25.00	—	5.00	—
A(P)16.2 Development of Mandis	25.00	33.38	Shifted to Agricultural Marketing Board						
Total ..	29.75	45.90	5.66	4.80	7.40	25.00	—	5.00	—
INVESTMENT IN AGRICULTURAL FINANCIAL INSTITUTIONS									
17. Agricultural Credit—									
A(P)17.1 Support to ordinary and special debentures—									
(i) Agriculture Department	556.00	119.50	37.75	38.00	45.90	340.00	340.00	50.00	50.00
(ii) Soil Conservation	92.00	17.40	11.55	11.00	11.00	100.00	100.00	9.00	9.00
A(P)17.2 Purchase of debentures of SCLMB for the purchase of Tractors and Agricultural implements	800.00	676.36	230.00	200.00	200.00	1425.00	1425.00	200.00	200.00
A(P)17.3 ARC Scheme for the reclamations of Alkaline Saline Soils	135.00	3.89	4.50	6.00	1.00	74.00	74.00	4.00	4.00
A(P)17.4 Grant of loans for fruit plantation-debenture support for Horticulture	13.00	9.00	—	6.00	13.50	116.00	116.00	9.00	9.00
A(P)17.5 Gobar gas plants debenture support	2.00	—	—	3.00	1.00	15.00	15.00	1.00	1.00
A(P) 17.6 Dairy Development	50.00	24.00	15.00	15.00	25.00	200.00	200.00	25.00	25.00
A(P)17.7 Poultry, Piggery, Sheep breeding, cattle feed processing units and camel carts units	75.00	27.50	15.00	15.00	25.00	200.00	200.00	23.00	23.00
A(P)17.8 Fish Culture	—	—	—	3.00	1.40	15.00	15.00	2.00	2.00
A(P)17.9 Farm Forestry	—	—	—	3.00	1.20	15.00	15.00	2.00	2.00
Total ..	1723.00	877.65	313.80	300.00	325.00	2500.00	2500.00	325.00	325.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN- 1985-86

STATEMENT II-SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/ Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Apporoved outlay	Anticipat- ed Expen- diture	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
18— Small and Marginal Farmers Schemes—									
A(P) 18.1	Assistance to Small and Marginal Farmers on IRD pattern (sharing basis)								
	(i) Agriculture Department	—	—	45.00	150.80	129.70	1240.00	—	264.25
	(ii) Horticulture ..	—	—	16.50	1.20	0.30	7.50	—	1.50
	(iii) Soil Conservation	—	—	0.75	25.00	2.00	52.50	—	10.50
	(iv) Forest Department	—	—	10.00	10.00	10.00	100.00	—	18.75
	Total ..	—	—	72.25	187.00	142.00	1400.00	—	295.00
19. Others—									
A(P) 19.1	Creation of Bio-Gas Cell and Installation of Bio-Gas Plants	Shown under sub-head "Energy"							
A(P) 19.2	Award of Prizes to best Farmers	50.00	—	—	—	—	—	—	—
A(P) 19.3	Bee-Keeping ..	20.00	1.40	—	—	—	11.00	—	1.50
A(P) 19.4	Setting up of Machinery Hiring units and Establishment of Agro Service centres for Small implements and machinery (sharing basis)	—	—	—	—	—	50.00	—	10.00
A(P) 19.5	Share Capital contribution in Regional Rural Banks	—	—	11.25	—	—	11.25	11.25	7.50
A(P) 19.6	Setting up of of Agro Service Centres	100.00	18.90	15.00	10.00	10.00	Merged in Scheme A(P) 19.4		
	Total ..	170.00	20.30	26.25	10.00	10.00	72.25	11.25	19.00
Total Agriculture Department ..		8430.00	3656.00	1427.05	1419.00	1560.10	12763.00	5611.25	1764.00
HORTICULTURE DEPARTMENT									
20. Direction and Administration—									
A(P) 20.1	Establishment of Department of Horticulture	172.15	65.41	33.80	36.05	34.75	160.00	—	35.00
A(P) 20.2	Strengthening of Horticulture Department in the State	—	—	—	—	—	50.00	—	3.00
	Total ..	172.15	65.41	33.80	36.05	34.75	210.00	—	38.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II-SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86		
		Actual Expendi- ture	Actual Expeni- ture	Approved outlay	Antici- pated Expendi- ture	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
21. Development of Horticulture and Plant Protection—										
A(P)21.1	Development of Horticulture and Setting up of gardens and nurseries on the seed farms	189.55	78.20	35.78	46.20	46.20	200.00	50.00	30.00	—
A(P)21.2	Development of Horticulture in Kandi Area Watershed	70.00	22.20	11.69	17.50	15.50	135.00	35.00	30.00	15.00
A(P)21.3	Control of Insects Pests and Diseases	—	—	2.43	6.50	6.50	120.00	—	20.00	—
Total	..	259.55	100.40	49.90	70.20	68.20	455.00	85.00	80.00	15.00
22. Vegetables—										
A(P)22.1	Production and Multiplication of Seed Potato—Development of Vegetables in rural areas	52.80	12.70	6.69	9.65	9.65	52.00	7.00	9.00	1.00
Total	..	52.80	12.70	6.69	9.65	9.65	52.00	7.00	9.00	1.00
23. Preservation of Fruits—										
A(P)23.1	Demonstration, cum-fruit Preservation Laboratories and Community Canning Centres	50.50	11.38	4.62	5.10	5.10	30.00	10.00	5.00	1.00
Total	..	50.50	11.38	4.62	5.10	5.10	30.00	10.00	5.00	1.00
24. Laboratories—										
A(P)24.1	Setting up of Analytical Laboratory	—	—	—	—	—	50.00	20.00	1.00	1.00
Total	..	—	—	—	—	—	50.00	20.00	1.00	1.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II-SCHEMES

OUTLAY AND EXPENDITURE

HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
25. Others—									
A(P)25.1	Subsidising the rate of Interest on Horticulture loan from Commercial Banks	65.00	19.89				Dropped		
A(P)25.2	Share Capital for setting up of Punjab Horticultural Corporation	50.00	12.99	9.00	8.00	—	Merged in Punjab Agro Indu. Corpn.		
A(P)25.3	Setting up of Information and training Centres at Zonal level	—	—	—	—	—	15.00	—	—
Total		115.00	32.88	9.00	8.00	—	15.00	—	—
Total Horticulture Department		650.00	222.77	104.01	129.00	117.70	812.00	122.00	133.00
Grand Total Sub-Head "Agriculture"		10080.00	4499.12	1786.40	1858.00	2037.80	14975.00	6075.00	2147.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT-II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : SOIL CONSERVATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
1. Soil Survey and testing										
SC(A)1.1	Soil Survey in the State	62.00	28.87	12.46	14.00	14.66	90.00	—	15.00	—
SC(A)1.2	Soil and Water resources inventory for land use Planning and environmental ecological improvements	—	—	—	—	—	10.00	—	2.00	—
	Total	62.00	28.87	12.46	14.00	14.66	100.00	—	17.00	—
2. Education and Training										
SC(A) 2.1	Training, Research and Demonstration	30.00	16.05	2.07	3.00	2.53	40.00	—	3.50	—
	Total	30.00	16.05	2.07	3.00	2.53	40.00	—	3.50	—
3. Soil Conservation Schemes										
SC(A)3.1	Pilot Project on Development of Kandi Area with World Bank Assistance	296.00	104.01	75.53	77.00	85.00	725.00	500.00	100.00	70.00
SC(A)3.2	Soil & Water Conservation on Watershed basis in kandi non-project areas	675.00	306.85	85.77	90.00	87.00	580.00	430.00	90.00	65.00
SC(A)3.3	Soil & Water Conservation Programme in other areas of the State	354.00	147.14	42.47	51.00	58.73	375.00	200.00	60.00	30.00
SC(A)3.4	Pilot Demonstration-Soil Conservation-cum-development Project in kandi tract on Sukhomajri pattern	—	—	—	10.00	13.20	100.00	90.00	15.00	13.00
SC(A) 3.5	Water harvesting technology in ecologically handicapped areas Backward areas in kandi region	—	—	—	—	—	70.00	50.00	10.00	8.00
	Total	1325.00	558.00	203.77	228.00	243.93	1850.00	1270.00	275.00	186.00
	Total Soil Conservation & Engg. Deptt.	1417.00	602.92	218.30	245.00	261.12	1990.00	1270.00	295.50	186.00

SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN 1985-86
STATEMENT II-SCHEMES
OUTLAY AND EXPENDITURE
HEAD : SOIL CONSERVATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
4. Forest Department Soil Conservation Schemes										
SC(F)4.1	Soil & Water Conservation on forest lands in kandi non-project areas ..	32.00	19.58	11.66	11.66	11.66	70.00	—	13.00	—
SC(F) 4.2	Kandi Water shed and Area Development Project ..	611.00	209.66	185.00	245.34	230.34	1400.00	—	230.00	—
SC(F) 4.3	Project Planning and Coordination Unit ..	—	8.31	3.38	5.00	3.88	40.00	—	6.50	—
Total Forest Department		643.00	237.55	200.04	262.00	245.88	1510.00	—	249.50	—
Grand Total		2060.00	840.47	418.34	507.00	507.00	3500.00	1270.00	545.00	186.00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980-85) Approved outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86		
		Actual expendi- ture	Actual Expendi- ture	Approved outlay	Anticipa- ted Expendi- ture	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
1. Direction and Administration										
AH-1.1	Strengthening and Expansion of Directorate of Animal Husbandry, Punjab ..	14.40	3.94	1.77	1.50	1.65	—	—	—	—
AH-1.2	Strengthening of offices of District Animal Husbandry Officers/Project Officers/Intensive Cattle Development Projects, Punjab ..	20.00	5.68	2.22	2.70	3.14	18.00	—	0.50	—
	Total ..	34.40	9.62	3.99	4.20	4.79	18.00	—	0.50	—
2. Veterinary Services and Animal Health										
AH-2.1	Opening of new Vety. dispensaries and Strengthening and Improvement of existing ones..	80.00	41.26	21.33	20.00	25.76	100.00	—	3.50	—
AH-2.2	Upgrading of Vety. Dispensaries/Units, into Hospitals ..	33.93	3.89	2.48	2.75	3.26	194.61	—	9.00	—
AH-2.3	Expansion of Punjab Vety. Vaccine Institute, Ludhiana ..	30.00	13.60	4.10	5.25	5.10	46.66	—	5.08	—
AH-2.4	Prophylactic Vaccination against Foot and Mouth ..	25.00	18.71	4.98	5.00	5.00	30.00	—	6.00	—
AH-2.5	Expansion of Sate Vety. Medical Store, Jullundur ..	7.85	2.60	1.02	1.10	0.76	10.00	—	3.10	—
AH-2.6	ICAR Scheme—All India Co-ordinated Research Project for Epidemiological Studies on Foot and Mouth ..	0.79	0.65	0.22	0.29	0.32	1.70	—	0.31	—
AH-2.7	Centrally Sponsored Scheme Foot and Mouth Disease Control Programme Project for vaccination of cattle and Buffaloes in selected areas (State share) ..	28.00	12.99	4.60	5.00	5.00	92.50	—	15.50	—
AH-2.8	Estt. of Vety. Polyclinics at District Headquarters ..	10.00	1.70	3.93	9.30	9.22	162.69	60.00	21.00	10.00
AH-2.9	Setting up of State Vety. Council ..	1.00	0.25	0.65	2.25	0.70	5.98	—	1.19	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980-85) Approved outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86		
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
AH-2.10	Estt. of Check Posts under Rinderpest Eradi- cation Programme ..	0.20	0.68	—	—	—	—	—	—	
AH-2.11	Providing of Vety. aid at the door of farmers	10.00	—	—	—	—	—	—	—	
AH-2.12	Strengthening of exist- ing Vety. Hospitals at Distt. and Sub-Divi- sional Headquarters..	—	—	16.58	20.10	27.56	217.71	—	45.96	
AH-2.13	Centrally Sponsored Scheme on Systematic control of livestock dis- eases of national impor- tance and other related aspects (state share) ..	—	—	—	2.00	0.25	50.00	—	23.27	
AH-2.14	Strengthening of Old Vety. Institutions ..	—	—	—	—	—	165.80	—	—	
AH-2.15	Residential accommoda- tion for staff of Vety. Hospitals and Dispen- saries ..	—	—	—	—	—	186.20	186.20	—	
AH-2.16	Centrally Sponsored Scheme Provision for life Saving Drugs (state share) ..	—	—	—	—	—	52.87	—	8.00	
Total	..	226.77	96.33	59.89	73.04	82.93	1316.72	246.20	141.91	10.00

i. Veterinary Education and Research

AH-3.1	Estt. of Small Animal Colony at P. A. U., Ludhiana ..	—	—	—	—	—	9.64	—	1.50	—
AH-3.2	Fundamental and Devel- opmental Research on livestock and their vectors and produc- tion of Theileria vaccine including matching provisions under Centrally Sponsored Scheme ..	—	—	—	—	—	178.28	—	18.00	—

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/ Project	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86		
	Sixth Five-Year Plan (1980—85) Approved Outlay	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Ex- penditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
AH-3.3 Control of mastitis in Punjab State—A Pilot Project ..	—	—	—	—	—	6.64	—	2.50	—
AH-3.4 25% State share on account of ICAR Co-ordinated Project ..	—	—	—	—	—	54.26	—	8.56	—
AH-3.5 Introduction of double shift in the college of veterinary science ..	—	—	—	—	—	2.31	—	2.31	—
AH-3.6 Strengthening of Animal diseases Research Centre and creation of facilities for housing animals under experiments with infectious material ..	—	—	—	—	—	39.00	—	13.00	—
AH-3.7 Strengthening of facilities for Research in Animal Nutrition ..	—	—	—	—	—	20.00	—	4.00	—
AH-3.8 Strengthening of facilities for improvement of cattle ..	—	—	—	—	—	20.00	—	5.00	—
AH-3.9 Strengthening of Department of Public Health ..	—	—	—	—	—	12.50	—	2.50	—
AH-3.10 Strengthening of U. G. Teaching programme for College of Veterinary Science ..	—	—	—	—	—	10.00	—	—	—
AH-3.11 Additional Physical facilities in the College of Veterinary Science ..	—	—	—	—	—	40.00	—	10.00	—
Grant-in-aid to Punjab Agricultural University Ludhiana Total (AH 3.1. to 3.11)	275.00	170.69	68.03	66.00	66.00	392.63	—	67.37	—
4. Investigation and Statistics									
AH-4.1 Integrated Survey in live-stock number and live-stock products ..	11.00	6.93	2.61	2.97	2.61	17.00	—	3.10	—

SEVENTH FIVE YEAR Plan (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980-85) Approved outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86		
		Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
AH-4.2	Estimation of production assessment of livestock development programme of cultivated fodder ..	7.00	1.61	1.25	1.50	1.41	10.00	—	1.50	—
AH-4.3	Centrally Sponsored Scheme Sample Surveys on estimation of Production of milk, eggs, wool and meat (State Share)	—	—	—	1.90	0.12	10.60	—	2.02	—
	Total ..	18.00	8.54	3.86	6.37	4.14	37.60	—	6.62	—
5. Cattle Development										
AH-5.1	Indo-Swiss Project, Patiala Expansion and strengthening ..	20.00	15.21	10.22	6.95	9.20	—	—	—	—
AH-5.2	Training of farmers in the technique of rearing, feeding, breeding and management of exotic/cross-bred cattle ..	1.25	1.25	—	—	—	—	—	—	—
AH-5.3	Assistance to Small/Marginal Farmers and Agricultural Labourers for rearing of cross-bred heifers (state share) ..	—	35.28	10.17	21.37	11.20	92.29	—	10.00	—
AH-5.4	Rounding up of wild and stray cattle in Punjab	9.00	3.39	2.08	4.00	3.07	—	—	—	—
AH-5.5	Strengthening of Cattle breeding farms.(Old name) Expansion of Govt. Holstein Friesian Cattle Breeding Farm Mattemwara/Jersey Cattle Breeding Farm, Ropar, Patiala and Nabha ..	7.65	7.10	5.71	6.70	6.70	56.53	2.00	7.13	1.00
AH-5.6	Setting up of Bull-Station-cum-Semen Banks and L.N. Plants and Strengthening of Semen Bank, Patiala/Nabha ..	50.00	5.12	14.01	11.84	29.84	113.28	6.00	25.00	3.00
AH-5.7	Kule Majra Co-operative Farm ..	25.00	12.69	6.10	5.71	5.10	25.95	1.50	5.63	1.00
AH-5.8	Implementation of Poultry, Piggery, Sheep, Production Programmes through Small/Marginal Farmers and Agril. Labourers (state share) ..	—	15.98	2.44	7.81	4.94	50.11	—	6.00	—

**SEVENTH FIVE-YEAR PLAN (1985-90)
AND ANNUAL PLAN, 1985-86
STATEMENT II SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980-85) Approved outlay	1980-83	1983-84	1984-85	Seventh Plan (1985-90)		1985-86		
		Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
AH-5.9 Providing of Frozen Semen facilities in the State—									
(a) Setting up of Semen storage facilities in existing Veterinary Hospitals at District level ..	—	—	—	—	—	75.00	6.00	17.90	2.00
(b) Frozen Semen facilities in other Veterinary institutions ..	—	—	—	—	—	175.00	—	—	—
(c) Import of Frozen Semen Straws) ..	—	—	—	—	—	10.00	—	1.00	—
Total (a + b + c) ..	—	—	—	—	—	260.00	6.00	18.90	2.00
Total ..	112.90	96.02	50.73	64.38	70.05	598.16	15.50	72.66	7.00
6. Poultry Development									
AH-6.1. Strengthening of State Poultry Farms (Old Schemes) ..	—	—	—	—	—	72.18	7.00	16.16	3.00
AH-6.1. Additional production of day old bullets at State Poultry Farms ..	30.00	11.44	5.79	6.00	6.00	} The schemes have been merged			
AH-6.4. Estt. of Broiler project for production of Day old hybrid broiler chicks ..	15.00	7.08	3.99	4.22	4.22				
Total 6.1 ..	45.00	18.52	9.78	10.22	10.22	72.18	7.00	16.16	3.00
AH-6.2. Estt. of Poultry Estates in selected localities for providing employment to educated unemployed ..	0.10	—	—	—	—	—	—	—	—
AH-6.3. Centrally-sponsored Scheme—To provide financial assistance to Punjab Poultry Dev. Corporation (State Share) ..	20.00	30.00	—	—	8.00	50.00	—	10.00	—
Total ..	65.10	48.52	9.78	10.22	18.22	122.18	7.00	26.16	3.00
7 Sheep and Wool Development									
AH-7.1. Supply of exotic/cross-bred rams for cross-breeding at Sheep and Wool Extension Centres and to bona fide sheep breeders ..	6.80	1.72	1.58	2.30	2.27	12.00	—	2.30	—
AH-7.2. Provision of Intensive Health Cover through Sheep and Wool Extension Centres ..	6.00	3.18	1.00	2.00	2.00	15.00	—	3.00	—

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT II SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ANIMAL HUSBANDRY**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980—85) Approved outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual expendi- ture	Actual expendi- ture	Approved outlay	Antici- pated expendi- ture	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
AH-7.3. Setting up of Sheep Breed- ing Farm for Fat Lamb Production ..	5.08	—	—	—	—	37.75	7.00	4.15	2.00
AH-7.4. Expansion of Govt. Sheep Breeding Farms, Mattewara/Dhar ..	5.63	2.58	4.78	6.18	6.18	33.48	2.00	4.08	1.00
Total ..	23.51	7.18	7.36	10.48	10.45	98.23	9.00	13.53	3.00
8. Piggery Development									
AH-8.1. Strengthening of Pig Breeding Farms (Old Schemes) ..	—	—	—	—	—	80.70	10.00	11.54	3.00
AH-8.1. Expansion of Pig Breed- ing Farms/Units ..	16.00	11.53	5.58	5.57	5.57	} The schemes have been merged			
AH-8.2. Estt. of new Pig Breed- ing Farms ..	25.00	12.33	8.14	7.29	7.75				
AH-8.3. Estt. of Fattening Units ..	8.40	3.38	1.33	1.85	1.94				
Total ..	49.40	27.24	15.05	14.71	15.26	80.70	10.00	11.54	3.00
9 Other Cattle Development									
AH-9.1. Evaluation of perfor- mance of buffalo bulls in Field conditions ..	15.00	2.72	1.79	3.00	2.21	20.00	—	3.00	—
AH-9.2. Kandi Watershed and Area Development Pro- ject—Livestock Dev. Programme ..	406.30	54.01	53.81	45.00	45.00	295.00	64.00	60.00	25.00
AH-9.3. Setting up of Polytech- nics for Animal Husb- andry & Agri. training ..	20.00	8.34	6.50	10.00	7.20	35.30	5.00	7.00	2.00
AH-9.4. Estt. of Vety. Hospitals ..	—	367.76	194.86	175.00	200.66	—	—	—	—
AH-9.5. Expansion of Buff. Breed- ing Farm, Bir Dosanjh, Nabha ..	10.00	1.59	1.76	5.96	4.80	17.07	—	3.27	—
AH-9.6. Estt. of Horse & Mule Breeding Centres ..	5.00	0.92	3.45	4.00	1.84	16.00	—	1.50	—
AH-9.7. Maintenance of herd books of selected buf- faloes ..	10.00	—	—	—	—	—	—	—	—
AH-9.8. Science & Technology— Modernization of Govt. Farms ..	—	—	—	—	—	5.00	—	0.50	—
Total ..	466.30	435.34	262.17	242.96	261.71	388.37	69.00	75.27	27.00
10. Fodder and Feed Development									
AH-10.1. Intensification of existing Forage Planting Material Production Farms ..	14.18	10.20	3.22	3.71	4.03	18.46	2.00	3.98	1.00
AH-10.2. Creation of cell for Feed and Fodder at State level ..	2.90	1.37	0.67	0.85	0.75	—	—	—	—
AH-10.3. Production and Populari- sation of newly evolved fodder varieties ..	60.54	32.65	12.43	13.08	13.84	228.95	—	25.46	—
Total ..	77.62	44.22	16.32	17.64	18.62	247.41	2.00	29.44	1.00
Grand Total ..	1349.00	944.00	497.18	510.00	552.17	3300.00	358.70	445.00	54.00

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : DAIRYING AND MILK SUPPLY**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90)			1985-86	
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
1. Direction and Administration										
DM-1.1 Strengthening of Head quarter Staff—Dairy Development Staff	5.00	—	—	1.00	—	5.00	—	—	—	
Total	5.00	—	—	1.00	—	5.00	—	—	—	
2. Dairy Development										
DM-2.1 Estt. of Cattle Feed Factory	5.00	2.00	—	—	—	—	—	—	—	
DM-2.2 Estt. of Dairy Extension Units for Intensification of Milk Production	20.00	2.48	2.20	4.50	2.84	35.50	—	5.00	—	
DM-2.3 Strengthening of Punjab Dairy Development Corporation	3.00	18.00	—	—	—	—	—	—	—	
DM-2.4 Special Employment Drive—Scheme for the Introduction of Scientific/Commercialised Milk Production in the State	50.00	26.92	12.00	15.00	15.42	125.00	50.00	15.00	5.00	
DM-2.5 Estt. of Milk Plant Gurdaspur	16.00	—	—	—	—	—	—	—	—	
DM-2.6 Estt. of Milk Chilling-cum-Demonstration Centres in the Border, Sub-Montane, Bet and Backward Areas of the State	92.00	93.26	24.00	21.00	22.31	70.00	70.00	15.40	15.40	
DM-2.7 Estt. of Cheese Plant	1.00	—	—	—	—	—	—	—	—	
DM-2.8 Scheme for the Settlement of Ex-Servicemen	—	—	—	—	—	27.50	—	5.50	—	
DM-2.9 Providing of Self Employment to widows by introducing Scientific/Commercialised Milk Production	—	—	—	—	—	27.00	—	3.00	—	
DM-2.10 Land Water Supply, Electrical expansion of existing plants and Working Capital of day to day milk payment	—	—	—	—	—	50.00	—	—	—	
Total	187.00	142.66	38.20	40.50	40.57	335.00	120.00	43.90	20.40	

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : DAIRYING AND MILK SUPPLY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9	10
3. Education and Training									
DM-3.1 Training of Technical Personnel ..	2.00	0.55	0.01	—	—	5.00	—	—	—
Total ..	2.00	0.55	0.01	—	—	5.00	—	—	—
4. Others									
DM-4.1 Supply of subsidised milk to Weaker Sections of the Society ..	25.00	15.00	5.00	5.00	5.00	—	—	—	—
DM-4.2 Intensification of Milk Production—Providing of subsidy for the construction of Model Cattle Sheds to Small and Marginal Farmers	15.00	6.95	4.00	4.00	4.00	24.00	—	4.00	—
DM-4.3 Estt. of Govt. Laboratory for testing (Milk Products/Cattle Feed)	2.00	—	1.70	4.50	0.61	66.00	50.00	0.10	0.10
DM-4.4 Scheme for registration of Creameries and dhojies to ensure the marketing of pure and hygienic milk in urban areas ..	—	—	—	—	—	5.00	—	1.00	—
Total ..	42.00	21.95	10.70	13.50	9.61	95.00	50.00	5.10	0.10
Grand Total ..	236.00	165.16	48.91	55.00	50.18	440.00	170.00	49.00	20.50

**SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN 1985-86**

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD: FISHERIES

(Rs in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980-85) Approved outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86		
		Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
1. Direction and Administration										
FH-1.1	Strengthening of staff at Headquarters and in Sub-Offices	5.00	2.34	1.63	1.90	1.90	20.00	—	2.50	—
	Total	5.00	2.34	1.63	1.90	1.90	20.00	—	2.50	—
2. Extension										
FH-2.1	Creation of Information and Extension Division	5.00	4.09	1.52	2.25	2.25	50.00	—	3.00	—
FH-2.2	Pilot Project for cage fish culture	5.00	0.60	—	—	—	—	—	—	—
	Total	10.00	4.69	1.52	2.25	2.25	50.00	—	3.00	—
3. Fish Farms										
FH-3.1	Completion of Fish Seed Nurseries/Farms and Provision of Echo Hatcheries at Fish Seed Farms to increase fish seed production	40.00	40.73	8.66	8.00	5.00	95.00	25.00	7.00	5.00
FH-3.2	Fish Culture in Shah Nehar Reservoir	6.00	0.20	0.10	0.50	5.50	25.00	—	5.00	—
FH-3.3	Pilot Project for Bundh Breeding	5.00	—	—	—	—	—	—	—	—
FH-3.4	Development of Fisheries in Kandi Watershed and Area Development Project (World Bank Aided)	64.00	29.33	20.83	22.00	22.00	70.00	46.00	36.00	33.00
FH-3.5	Establishment of two 5 Hect. Fish Seed Farms for Fish Farmers Dev., Agencies Ludhiana and Sangrur	—	—	—	2.00	2.00	80.00	70.00	6.00	1.00
	Total	115.00	70.26	29.59	32.50	34.50	270.00	141.00	54.00	39.00
4. Hatcheries										
FH-4.1	Establishment of two 10 Hect. fish Seed Hatcheries	—	—	—	3.00	3.00	100.00	90.00	5.00	1.00
	Total	—	—	—	3.00	3.00	100.00	90.00	5.00	1.00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : FISHERIES

(Rs in lakhs).

Name of the Scheme/ Project	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83	1983-84	1984-85		Seventh Plan 1985-90		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anti-ci- pated Expendi- ture	Approved Outlay	Of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
5. Research									
FH-5.1 Mobile Fisheries Field Laboratory ..	5.00	—	—	—	—	—	—	—	—
Total ..	5.00	—	—	—	—	—	—	—	—
6. Education and Training									
FH-6.1 Training of Fisheries Personnel ..	2.00	0.86	0.25	0.50	0.40	3.00	—	0.50	—
FH-6.2 Training in Fishing and Fishing Crafts and Gear ..	2.50	—	—	—	—	—	—	—	—
Total ..	4.50	0.86	0.25	0.50	0.40	3.00	—	0.50	—
7. Inland Fisheries									
FH-7.1 Promotion of Intensive Fish Culture by providing Assistance to private/ Co-operative Sector and Rehabilitation of Ex-Servicemen ..	10.00	6.99	3.89	4.00	2.00	15.00	—	3.00	—
FH-7.2 Demonstration of Fish Culture ..	2.50	0.30	—	—	—	—	—	—	—
FH-7.3 Assistance to Fish Farmers Development Agencies Gurdaspur, Jullundur, Amritsar, Ludhiana and Sangrur	20.00	17.50	10.00	10.00	10.00	120.00	—	10.00	—
FH-7.4 Scheme for Getting up a pituitary Bank and Brood Fish Stock by Exploitation of Nangal Lake ..	—	—	—	—	—	7.00	—	1.00	—
Total ..	32.50	24.79	13.89	14.00	12.00	142.00	—	14.00	—
8. Others									
FH-8.1 Creation of Economic and Statistical Wing in the Fisheries Depart- ment ..	3.00	1.08	0.39	0.85	0.60	8.00	—	1.00	—
FH-8.2 Welfare Scheme for the fishermen group insu- rance and development of saline and alkaline soil for brackish water	—	—	—	—	—	5.00	—	—	—
Total ..	3.00	1.08	0.39	0.85	0.60	13.00	—	1.00	—
Grand Total ..	175.00	104.02	47.27	55.00	54.65	598.00	231.00	80.00	40.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : FORESTS

(Rs in lakhs)

Name of the scheme/ Project	Sixth Five Year Plan (1980-85) Approved outlay	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Approved outlay	of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
1. Research									
Ft.-1.1 Forest Research ..	15.00	9.09	6.24	7.50	7.50	300.00	—	20.00	—
Total ..	15.00	9.09	6.24	7.50	7.50	300.00	—	20.00	—
2. Education and Training									
Ft.2.1 Extension, Training and Education in the state ..	5.00	3.00	1.00	1.00	1.34	100.00	—	3.00	—
Total ..	5.00	3.00	1.00	1.00	1.34	100.00	—	3.00	—
3. Plantation Schemes									
Ft.3.1 Raising of industrial Plan- tations on community lands ..	170.00	105.80	8.00	5.00	5.00	—	—	—	—
Ft. 3.2 Social Forestry including Rural Fuelwood Plantations (Centrally sponsored) (State share) ..	100.00	74.87	84.00	80.00	80.00	900.00	—	150.00	—
Ft. 3.3 Raising of Forest Planta- tions in Govt. lands ..	410.00	283.99	180.20	169.00	179.46	680.00	—	162.00	—
Ft. 3.4 Soil water and tree Con- servation in Himalayas (State share) ..	110.00	34.95	—	—	—	—	—	—	—
Ft. 3.5 Integrated watershed management in the catch- ment of Flood prone rivers ..	25.00	—	—	—	—	—	—	—	—
Ft. 3.6 Environmental Forestry	20.00	10.00	5.00	—	—	—	—	—	—
Ft. 3.7 Farm Forestry ..	160.00	103.80	69.60	110.00	100.00	400.00	—	60.00	—
Ft. 3.8 Estt. of silvi pastoral farms for Kandi areas Centrally Sponsored scheme (State share)	—	—	—	—	—	10.00	—	1.00	—
Total ..	995.00	613.41	346.80	364.00	364.46	1990.00	—	373.00	—

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT—II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : FORESTS

(Rs in lakhs)

Name of the Scheme/ Project	Sixth Five Year Plan (1980-85) Approved outlay	1980-83	1983-84	1984-85	Seventh Plan (1985-90)		1985-86		Of which capital content	
		Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Approved outlay	Of which capital Content	Approved outlay		
1	2	3	4	5	6	7	8	9	10	
4. Communication and Buildings										
Ft.4.1	Construction of Buildings	27.00	14.75	5.03	5.00	5.00	150.00	50.00	5.00	4.79
	Total	27.00	14.75	5.03	5.00	5.00	150.00	50.00	5.00	4.79
5. Preservation of Wild Life										
Ft. 5.1	Preservation of Wild Life	45.00	22.92	11.91	13.00	13.05	100.00	—	17.30	—
Ft. 5.2	(a) Establishment of Zoo- logical Park at Chhat Bir	200.00	128.86	57.00	57.00	57.00	400.00	50.00	58.00	10.00
	(b) Assistance for Develop- ment of Selected Zoos (Centrally Sponsored— State share)	—	2.00	1.85	2.00	1.15	10.00	—	2.00	—
	Total	245.00	153.78	70.76	72.00	71.20	510.00	50.00	77.30	10.00
6. Survey of Forest Resources										
Ft. 6.1	Establishment of Planning and Statistical Cell	3.00	0.94	0.38	0.50	0.50	10.00	—	6.70	—
	Total	3.00	0.94	0.38	0.50	0.50	10.00	—	6.70	—
7. Other Expenditure :										
Ft. 7.1	Demarcation and Settle- ment of Forests Areas	—	1.78	—	—	—	20.00	—	3.00	—
Ft. 7.2	State Share Capital of equity in Forests Cor- poration	—	—	16.00	—	—	20.00	20.00	9.00	9.00
Ft. 7.3	Acquisition of critically eroding/located lands	—	—	—	—	—	100.00	100.00	9.00	9.00
	Total	—	1.78	16.00	—	—	140.00	120.00	21.00	18.00
	Grand Total	1290.00	796.75	446.21	450.00	450.00	3200.00	220.00	500.00	32.79

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : COMMUNITY DEVELOPMENT AND PANCHAYATS

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83		1983-84		1984-85		Seventh Plan 1985-90		1985-86	
		Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content		
1	2	3	4	5	6	7	8	9	10		
1. Direction and Administration											
CD 1.1	(a) Staff for the Integrated Rural Development Programme ..	20.00	11.33	3.77	4.50	4.30	30.40	—	5.00	—	
CD 1.1	(b) Monitoring cell at the State H.Q. under IRDP ..	—	—	0.73	1.50	0.88	13.00	—	1.90	—	
CD 1.2	Additional staff at Headquarters ..	10.00	—	—	1.00	—	5.00	—	0.10	—	
	Total ..	30.00	11.33	4.50	7.00	5.18	48.40	—	7.00	—	
2. Training											
CD 2.1	Study tour of non-officials	1.20	0.36	0.15	0.38	0.38	2.00	—	0.40	—	
CD 2.2	Promotion and strengthening of Mahila Mandals ..	40.00	27.98	19.80	8.12	8.12	40.60	—	8.12	—	
	Total ..	41.20	28.34	19.95	8.50	8.50	42.60	—	8.52	—	
3. Assistance to Panchayati Raj Institutions											
CD 3.1	Financial assistance to Panchayats/Panchayat Samitis and Zila Parishads for expenditure on Revenue Earning Schemes ..	271.30	118.80	38.45	38.00	39.21	300.00	280.00	40.00	36.00	
CD 3.2	Composite programme for Women and Pre-school children—Strengthening of Craft Centres ..	27.50	16.04	5.50	8.76	8.76	56.00	—	11.20	—	
CD 3.3	Pavement of Streets & Construction of Drains	1004.00	1129.00	537.00	537.00	536.00	3000.00	—	277.00	—	
CD 3.4	Assistance to Panchayats for construction of Panchayat Ghars ..	100.00	105.15	20.00	20.00	20.00	150.00	150.00	20.00	20.00	
CD 3.5	Development of Model Villages ..	20.00	15.00	—	—	—	—	—	—	—	
CD 3.6	Underground Water Sewerage ..	60.00	6.95	—	—	—	—	—	—	—	
CD 3.7	Matching grants to Panchayats for Development works ..	240.00	98.00	30.80	40.00	40.00	200.00	200.00	33.00	33.00	
CD 3.8	Grant-in-aid to Zila Parishads/Panchayat Samitis for Integrated development of villages of historical and religious importance ..	21.00	6.75	4.84	4.74	4.74	40.00	40.00	6.28	6.28	

SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : COMMUNITY DEVELOPMENT AND PANCHAYATS

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan 1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual expenditure	Actual expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9	10
CD 3.9 Popularisation of Smokeless Chullas in rural areas ..	—	—	—	2.00	2.00	5.00	—	—	—
CD 3.10 State Institute of Rural Development ..	—	—	—	—	0.50	30.00	—	6.00	—
Total ..	1743.80	1495.69	636.59	650.50	651.21	3781.00	670.00	393.48	95.28
Total CD & Panchayats	1815.00	1535.36	661.04	666.00	664.89	3872.00	670.00	409.00	95.28
4. Special Programme for Rural Development									
CD 4.1 Assistance to Rural Development Agencies under Integrated Rural Development Programme ..	1975.00	1131.58	483.25	472.00	472.00	1057.00	—	300.00	—
CD 4.2 Development of women and children in rural areas ..	—	—	—	—	2.01	100.00	—	10.00	—
CD 4.3 Interest subsidy on loans to be advanced to the economically weaker sections under IRD in rural areas ..	—	25.50	100.00	108.00	111.17	2000.00	—	100.00	—
CD 4.4 Strengthening of infrastructure under TRYSEM ..	—	3.57	2.50	2.00	2.00	10.00	—	2.00	—
Total ..	1975.00	1160.65	585.75	582.00	587.18	3167.00	—	412.00	—
Grand Total ..	3790.00	2696.01	1246.79	1248.00	1252.07	7039.00	670.00	821.00	95.28

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)**

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : NATIONAL RURAL EMPLOYMENT PROGRAMME

(Rs. in lakhs)

Name of the Scheme/ Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content
1	2	3	4	5	6	7	8	9	10
NREP 1.1 Farm Forestry ..	—	66.85	27.50	32.00	35.53	316.00	—	63.20	—
NREP 2.1 Pavement of Streets & Construction of Drains and other schemes for village betterment ..	1625.00	435.27	247.50	292.00	284.40	1264.00	—	252.80	—
Total ..	1625.00	502.12	275.00	324.00	319.93	1580.00	—	316.00	—

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)
STATEMENT II SCHEMES
OUTLAY AND EXPENDITURE
HEAD : CO-OPERATION**

(Rs. in lakhs)

Name of the Scheme/ Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83	1983-84	1984-85		Seventh Plan (1985—90)		1985-86		
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
1. Direction and Adminis- tration										
CN 1.1	Additional departmental Staff ..	300.00	166.70	78.40	80.00	92.50	800.00	—	100.00	—
	Total ..	300.00	166.70	78.40	80.00	92.50	800.00	—	100.00	—
2. Credit Co-operatives										
CN 2.1	Assistance to Central Co-operative Banks for opening new branches and construc- tion of buildings ..	27.41	10.47	—	—	—	—	—	—	—
CN 2.2	Assistance to Primary Co-operative Agriculture Service Societies for construction of godowns ..	154.70	56.07	5.74	—	—	—	—	—	—
CN 2.3	Share capital contri- bution to Apex Central and Primary Credit Institutions & Societies ..	590.00	293.89	112.00	130.00	130.00	700.00	700.00	134.00	134.00
CN 2.4	Assistance to re-organised Agricultural Service Societies as bad debt reserves (risk fund) ..	141.41	114.41	13.00	14.00	14.00	70.00	—	14.00	—
CN 2.5	(a) Assistance to Central Co-operative Banks for Agriculture stabilisation Fund ..	40.00	20.00	5.00	5.00	5.00	100.00	—	5.00	—
CN 2.5	(b) Loan assistance to Punjab State Co- operative Bank for Agricultural Stabili- sation Fund ..	—	—	—	—	178.03	—	—	—	—
CN 2.6	Assistance to Central Co-operative Banks and Primary Agricul- tural Service Socie- ties as risk fund for consumption loan ..	—	—	—	1.00	1.00	25.00	—	5.00	—
CN 2.7	Assistance to Punjab State Co-operative Land Mortgage Bank for development of long- term structure ..	—	—	—	—	—	50.00	50.00	—	—
CN 2.8	National grid for con- struction of rural godowns ..	—	—	—	—	—	100.00	—	—	—
CN 2.9	Ad-hoc provision as matching State Share for new Centrally sponsored Schemes ..	—	—	—	—	—	11.00	—	—	—
	Total ..	953.52	494.84	135.74	150.00	328.03	1056.00	750.00	158.00	134.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD: COOPERATION

(Rs. in lakhs)

Name of the Scheme/ Projects	Sixth Five- Year Plan (1980-85) Approved outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
3. Housing Co-operatives										
CN 3.1	Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy	25.50	20.50	10.00	10.00	10.00	200.00	200.00	10.00	10.00
	Total	25.50	20.50	10.00	10.00	10.00	200.00	200.00	10.00	10.00
4. Labour Co-operatives										
CN-4.1	Assistance for technical cell in District Co-operative Labour Unions & State Level Federation	5.00	2.59	0.82	0.50	0.42	—	—	—	—
	Total	5.00	2.59	0.82	0.50	0.42	—	—	—	—
5. Marketing Co-operatives										
CN 5.1	Share capital contribution to Co-operative Marketing Societies	20.00	—	—	—	—	—	—	—	—
CN 5.2	Assistance to Markfed for development of export of vegetables, fruits and other products and purchase of Harvest combines	94.70	44.70	—	—	—	—	—	—	—
CN 5.3	Assistance to Markfed for contribution as share capital in National level Projects for production of inputs	25.00	10.00	10.00	5.00	5.00	50.00	50.00	10.00	10.00
CN 5.4	Construction of wheat storage godowns-NCDC II project	803.00	348.13	159.00	120.00	120.00	463.00	463.00	100.00	100.00
CN 5.5	Assistance to Markfed for contribution as share capital to the Punjab Alkalies limited	—	—	20.50	—	—	—	—	—	—
	Total	942.70	402.83	189.50	125.00	125.00	513.00	513.00	110.00	110.00
6. Processing Co-operatives										
CN 6.1	Assistance to Markfed for setting up processing units	136.33	147.62	6.05	1.00	40.30	1069.00	1069.00	88.00	88.00
CN 6.2	Share capital contribution for rehabilitation of MARKFED	—	—	—	—	—	50.00	50.00	5.00	5.00
	Total	136.33	147.62	6.05	1.00	40.30	1119.00	1119.00	93.00	93.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : COOPERATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
7. Dairy Cooperatives										
CN 7.1	Share capital contribution to Primary Co-operative Milk Societies Unions and Milk Federation ..	17.85	57.66	20.00	20.00	35.00	150.00	150.00	30.00	30.00
CN 7.2	Assistance for payment of audit fee by Milk Producer Co-operative Societies, Unions and Milk Federation ..	1.00	1.00	—	—	—	—	—	—	—
CN 7.3	Assistance to Milkfed for Milk Processing, manufacturing and City Distribution Programme	—	—	—	—	—	220.00	220.00	—	—
	Total ..	18.85	58.66	20.00	20.00	35.00	370.00	370.00	30.00	30.00
8. Co-operative Sugar Mills										
CN 8.1	Share capital contribution for expansion and installation of Co-operative Sugar Mills ..	450.00	123.00	271.00	155.00	155.00	1242.00	1242.00	305.00	305.00
CN 8.2	Share capital contribution in Co-operative Sugar Mills Federation	—	—	—	20.00	20.00	—	—	—	—
CN 8.3	Assistance to Co-operative Sugar Mills for installation of distillery and Effluent Treatment plants ..	—	—	—	—	—	90.00	90.00	15.00	15.00
	Total ..	450.00	123.00	271.00	175.00	175.00	1332.00	1332.00	320.00	320.00
9. Co-operative Spinning Mills										
CN 9.1	Assistance to Spinfed for expansion and setting up Spinning Mills/ Handloom Weavers Spinning Mills and Cotton Waste Spinning Mills ..	805.60	611.26	175.00	173.81	173.81	718.00	718.00	116.00	116.00
CN 9.2	Assistance to State Level Federation of Agricultural Processing Societies (Spinfed) ..	21.00	21.00	—	5.00	5.00	5.00	5.00	1.00	1.00
CN 9.3	Assistance to spinfed for Setting up of Central laboratory for testing quality of Cotton and yarn ..	—	—	—	—	—	24.00	24.00	—	—
	Total ..	826.60	632.26	175.00	178.81	178.81	747.00	747.00	117.00	117.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : COOPERATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90)		1985-86	
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
10. Industrial Co-operatives									
CN 10.1	Participation in the share capital of Industrial Co-operatives including Federation and Unions ..	25.00	15.00	5.00	5.00	5.00	5.00	1.00	1.00
CN 10.2	Assistance as share capital and managerial subsidy to Apex Handloom and Primary Handloom Weavers Cooperative Societies ..	51.00	28.70	11.50	11.50	11.50	57.00	50.00	10.00
CN 10.3	Subsidy to Central Co-operative Banks for advancing loans to Industrial Co-operatives including Handloom Weavers Co-operative Societies at concessional rate of interest	10.00	2.35	0.50	0.28	0.28	1.00	—	0.01
CN 10.4	Subsidy to Punjab State Apex Handloom Co-operative Society for rebate on cloth sale/managerial Expenses	15.00	6.44	2.50	2.50	5.20	25.00	—	4.99
CN 10.5	Development of Handloom industry supply of approved appliances	1.00	1.50	—	—	—	50.00	12.50	—
CN 10.6	Financial assistance to Punjab State Apex Handloom Co-operative Society for setting up processing units	50.00	18.85	—	9.41	0.41	5.00	5.00	1.00
CN 10.7	Subsidy to industrial Co-operatives for employing craft teachers	4.25	3.25	0.50	0.50	0.50	—	—	—
	Total ..	156.25	76.09	20.00	29.19	22.89	143.00	72.50	18.00
11. Consumer Co-operatives									
CN 11.1	Contribution to share capital of Central Consumers Stores and State Co-operative Consumers Federation ..	20.00	17.40	4.00	4.00	4.00	25.00	25.00	5.00
CN 11.2	Assistance to State Co-operative Consumers Federation and Weak Central Consumer Stores for rehabilitation ..	5.50	5.00	—	—	—	1.00	1.00	0.50
	Total ..	25.50	22.40	4.00	4.00	4.00	26.00	26.00	5.50

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : COOPERATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five-Year Plan 1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
12. Co-operative Education, Research, Training and Publicity										
CN 12.1	Assistance to Punjab Co-operative Union for Education, Training and Publicity ..	6.50	13.12	3.50	8.00	8.00	62.00	20.00	12.00	4.00
CN 12.2	Training of Co-operative Subordinate Personnel ..	7.50	3.64	0.86	1.00	2.10	5.00	—	1.00	—
CN 12.3	Assistance to Punjab Co-operative Union for Research and case studies ..	—	—	—	0.50	0.50	8.00	—	1.50	—
	Total ..	14.00	16.76	4.36	9.50	10.60	75.00	20.00	14.50	4.00
13. Other Co-operatives										
CN 13.1	Share capital contribution to Co-operative Cold Storages and Cold Stores Federation ..	205.75	30.00	—	—	—	4.00	4.00	1.00	1.00
	Total ..	205.75	30.00	—	—	—	4.00	4.00	1.00	1.00
	Total Cooperative Department ..	4060.00	2194.25	914.87	783.00	844.52*	6385.00	5153.50	977.00	836.50
14. Co-operative Audit										
CN 14.1	Staff for audit of Co-operative Societies in the State ..	89.75	18.50	15.65	21.95	21.39	199.50	—	29.90	—
CN 14.2	Training and Education of audit staff ..	0.25	0.13	0.04	0.05	0.05	0.50	—	0.10	—
	Total ..	90.00	18.63	15.69	22.00	21.44	200.00	—	30.00	—
	Grand Total ..	4150.00	2212.88	930.56	805.00	865.96	6585.00	5153.50	1007.00	836.50

*Excludes Rs. 178.03 lakhs shown against scheme CN 2.5(b) Loan assistance to Punjab-State Co-operative Bank for Agricultural Stabilisation fund released over and above the allocation for the sub-head 'Co-operation' and State Annual Plan of Rs. 440.00 crores, vide G. O. I. Ministry of Finance, Department of Expenditure, Plan Finance Division letter No. 43(34)-PFI/83, dated 7-7-1984

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT-II—SCHEMES OUTLAYS AND EXPENDITURE

HEAD : IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Name of the Scheme/Project	Sixth five Year Plan (1980-85) approved outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985-90		1985-86		
				Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
(a) Irrigation—										
(i) Water Development (Survey, Investigation and Research)										
WD 1.1	Investigation of Schemes	180.00	51.44	41.73	65.00	52.00	240.00	240.00	40.00	40.00
WD 1.2	Research Schemes ..	50.00	22.78	7.83	18.00	18.00	200.00	200.00	18.00	18.00
WD 1.3	Grant-in-aid to PAU, Ludhiana for research in water resources ..	—	—	—	2.00	2.00	10.00	10.00	2.00	2.00
WD 1.4	Pilot Demonstration	279.00	77.71	24.39	24.00	24.00	100.00	100.00	24.00	24.00
WD 1.5	Directorate of water resources (Kandi-water shed and Area Develop- ment Project)									
	(i) Technical assistance Research and Training	265.00	138.13	27.67	30.00	30.00	80.00	80.00	30.00	30.00
	(ii) Project Admn. Moni- toring and Evaluation	32.00	6.55	—	—	—	—	—	—	—
	Total (i) ..	806.00	336.61	101.62	139.00	126.00	630.00	630.00	114.00	114.00
(ii) Major and Medium irrigation Schemes										
IR 2.1	Beas Projects ..	780.00	862.48	136.78	22.00	22.00	(-)-16.00	(-)-16.00	(-)-2.00	(-)-2.00
IR 2.2	Thein Dam* ..	5300.00	3861.31	733.00	674.00	673.00	—	—	—	—
IR 2.3	Shah Pur Kandi Project **5000.00		10.82	5.00	6.00	6.00	—	—	—	—
IR 2.4	Diversion weir of Shah- Nehar Canal ..	1384.00	1153.48	159.51	108.00	108.00	5.04	5.04	5.04	5.04
IR 2.5	Dholbaha Dam ..	584.00	404.56	67.03	250.00	125.00	600.00	600.00	200.00	200.00
IR 2.6	Special repairs to Bhakra Main Line Canal caused by breaches ..	—	—	—	—	329.00	157.00	157.00	157.00	157.00
IR 2.7	Extension of non-prenial Irrigation to areas in UBDC tract ..	98.00	54.28	27.81	30.00	30.00	250.00	250.00	30.00	30.00
IR 2.8	Utilisation of Surplus Ravi Beas Waters ..	394.00	213.34	74.49	75.00	75.00	250.00	250.00	75.00	75.00

*In the sixth plan allocations to Thein Dam has been both in the Irrigation and Power Sector., from Seventh Plan the allocation is reflected in Power Sector.

**The allocation for Shahpur Kandi Project has been reflected in the Power Sector from Seventh Five Year Plan.

SEVENTH FIVE YEAR PLAN 1985—90

AND ANNUAL PLAN 1985-86

STATEMENT-II—SCHEME OUTLAYS AND EXPENDITURE

HEAD : IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Name of the Scheme/Project	Sixth five Year Plan (1980—85) approved outlay	1980—83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985—90		1985-86	
				Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
IR 2.9 Extension and Impro- vement of Shah Nehar Canal ..	2951.00	958.33	506.45	600.00	400.00	2000.00	2000.00	300.00	300.00
IR 2.10 Lining of channels Phase-I	11887.00	5095.16	2181.38	2200.00	1801.65	4442.00	4442.00	2146.46	2146.46
IR 2.11 Lining of channels Phase-II	—	—	—	—	—	9036.96	9036.96	—	—
IR 2.12 Sirhind Feeder Schemes	1.00	—	—	—	—	—	—	—	—
IR 2.13 Construction of new disty. minors and bridges	270.00	53.18	21.57	35.00	30.00	150.00	150.00	35.00	35.00
IR 2.14 Modernisation of existing canals ..	50.00	24.19	10.75	10.00	—	50.00	50.00	17.00	17.00
IR 2.15 Extension of Kandi canal re-oriented with lift irrigation schemes ..	1078.00	17.99	1.96	2.00	2.00	50.00	50.00	—	—
IR 2.16 Raising lining of Bhakra Main Line canal for providing free board	20.00	—	—	1.00	—	34.00	34.00	0.10	0.10
IR 2.17 Construction of new lined combined channels of Bikaner canal and branch of eastern canal	480.00	—	—	1.00	—	50.00	50.00	0.10	0.10
IR 2.18 Providing irrigation fa- cilities to areas left side of Narwana Branch	500.00	—	—	1.00	0.50	—	—	—	—
IR 2.19 Providing irrigation facilities to areas of eastwhile Malerkotla State ..	150.00	—	—	1.00	—	411.00	411.00	0.10	0.10
IR 2.20 Satluj Yamuna Link Canal ..	—	—	—	—	—	8354.00	8354.00	1838.00	1838.00
(i) Main Canal ..	—	—	—	—	—	2900.00	2900.00	1400.00	1400.00
(ii) Providing irrigation facilities to Punjab areas ..	—	—	1.03	5.00	5.00	5454.00	5454.00	438.00	438.00
IR 2.21 Canalisation of Navin and Moghali Kuhls for running them to designed discharged ..	—	—	—	—	6.85	7.00	7.00	0.10	0.10
IR 2.22 Lift irrigation schemes in Anandpur Sahib and Ropar block ..	—	—	—	—	—	10.00	10.00	0.10	0.10
IR 2.23 Running of Basant Pur Canal ..	—	—	—	—	—	7.00	7.00	7.00	7.00
IR 2.24 Provision for Doon Canal ..	—	—	—	—	—	400.00	400.00	—	—
IR 2.25 Irrigation to Himachal area below Talwara	—	—	—	—	—	200.00	200.00	—	—
Total (ii): (Major and Medium Irrigation schemes)	30927.00	12709.12	3926.76	4021.00	3614.00	26448.00	26448.00	4809.00	4809.00
Sub-total (a) i, ii, ..	31733.00	13045.73	4028.38	4160.00	3740.00	27078.00	27078.00	4923.00	4923.00

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT-II—SCHEMES—OUTLAY AND EXPENDITURE

HEAD: IRRIGATION AND FLOOD CONTROL

(Rs. in lakhs)

Name of the Scheme/Project	Sixth five Year Plan (1980-85) approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985-90		1985-86		
				Approved Outlay	Antici- pated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
(b) Minor Irrigation—										
1. Agriculture Department—										
MI(A)1.1	Ground water cell (Stren- gthening of ground water and surface water organisation	50.00	19.83	10.41	17.00	16.10	100.00	—	17.00	—
MI(A) 1.2	Grant of subsidy for sinking/ repair of wells ..	0.20	0.04	—	—	—	—	—	—	—
MI(A)1.3	Grant of subsidy for sinking/repair of tubewells/ pumpsets ..	0.30	0.15	—	—	—	—	—	—	—
2. Irrigation Department—										
MI(A)2.1	Low Dams in Kandi Area Phase-I ..	996.00	43.90	44.50	160.00	175.00	2322.00	2322.00	400.00	400.00
MI(A)2.2	Low Dams in Kandi Area Phase-II ..	—	—	—	—	—	1000.00	1000.00	—	—
MI(A)2.3	Integrated utilisation of water resources ..	100.00	60.47	24.77	31.00	31.00	200.00	200.00	31.00	31.00
NI(A)2.4	Sinking of tubewells in different blocks ..	20.00	17.44	—	—	—	—	—	—	—
MI(A) 2.5	Lift flow irrigation Schemes ..	3.00	3.18	—	—	—	—	—	—	—
MI(A)2.6	Construction of Ghats on canals ..	2.00	1.64	—	—	—	—	—	—	—
MI(A)2.7	Sprinkler irrigation Schemes ..	89.00	4.57	—	—	—	—	—	—	—
MI(A)2.8	Strengthening of surface/ground water (Minor Irrigation orgn.)	7.50	2.91	—	—	—	—	—	—	—
MI(A)	Under ground system of Government Tubewells	—	2.34	—	—	—	—	—	—	—
Total	..	1268.00	156.47	79.68	208.00	222.10	3622.00	3522.00	448.00	431.00
Punjab State Tubewell Corporation										
MI(I)3.1	Tubewells and other Schemes ..	477.00	351.00	191.00	207.00	207.00	1000.00	1000.00	174.00	174.00
Total (b)—(Minor Irrigation)		1745.00	507.47	270.68	415.00	429.10	4622.00	4522.00	622.00	605.00

Name of the Scheme/Project	Sixth five Year Plan (1980-85) approved outlay	1980-83 Actual Expen- diture	1983-84 Actual Expen- diture	1984-85		Seventh Plan (1984-85)		1985-86		
				Approved outlay	Anticipaed Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital entent	
1	2	3	4	5	6	7	8	9	10	
(c) C.A.D.										
4.1	Lining of water courses Phase-I ..	3881.00	1917.00	580.00	575.00	900.00	600.00	600.00	600.00	600.00
4.2	Lining of water courses Phase-II ..	—	—	—	—	—	1000.00	1000.00	—	—
Total (c) (CAD) ..		3881.00	1917.00	580.00	575.00	900.00	1600.00	1600.00	600.00	600.00
Grand Total (Minor Irrigation CAD) (b+c)		5820.00*	2424.47	850.68	990.00	1329.10	6222.00	6122.00	1222.00	1205.00
(d) Anti-water logging, drainage and Flood Control—										
FC 5.1	Flood Control and Drainage schemes ..	2100.00	1466.34	444.67	350.00	400.00			500.00	500.00
FC5.2	Anti-water logging and drainage schemes for lowering water table of South West Districts of Punjab ..	—	306.44	99.93	35.00	250.00	3500.00	3500.00		
									200.00	200.00
FC5.3	Diversion of Nurpur Bedian choes into river Satluj ..	—	—	—	5.00	—	39.00	39.00	0.10	0.10
FC5.4	The canalisation and re- clamation of Satluj river bed from Anandpur Sahib to Ropar ..	—	—	—	5.00	—	50.00	50.00	0.10	0.10
FC5.5	Dholbaha Dam (Drainage portion) ..	—	106.34	69.26	72.00	62.00	111.00	111.00	101.80	101.80
Total (d) ..		2100.00	1879.12	613.86	467.00	712.00	3700.00	3700.00	802.00	802.00
Grand Total (a + b + c + d)		39653.00	17349.32	5492.92	5617.00	5781.10	37000.00	36900.00	6947.00	6930.00

*It includes an Un-allocated provision of Rs. 194.00 lakhs

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN, 1985-86

STATEMENT-II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : POWER

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		1985-90 Seventh Five Year Plan		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which Capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
A. GENERATION										
(a) Multi-purpose River Valley Projects										
MP1.1	Beas Unit-I (4 × 165 = 660 MW) ..	324.00	1083.79	226.00	7.00	7.00	(-)-254.00	(-)-254.00	(-)-46.00	(-)-46.00
MP1.2	Beas Unit-I(Ext.) (2 × 165 = 330MW) ..	1477.00	1443.31	306.00	113.00	113.00	26.00	26.00	26.00	26.00
MP1.3	Beas Unit-II (4 × 60 = 240MW) ..	58.00	60.75	22.00	1.00	1.00	(-)-1.00	(-)-1.00	(-)-1.00	(-)-1.00
MP1.4	Beas Unit-II (Ext.) (2 × 60 = 120MW) ..	143.00	190.97	9.00	2.00	2.00	—	—	—	—
MP 1.5	Thein Dam (4 × 150 = 600MW) ..	7700.00	200.00	—	1800.00	1797.00	50000.00	50000.00	7500.00	7500.00
	Total (a) ..	9702.00	2978.82	563.00	1923.00	1920.00	49771.00	49771.00	7479.00	7479.00
(b) Power Projects										
PP1.1	Ropar Thermal Project Stage-I (2 × 210 = 420 MW) ..	16000.00	10654.94	14800.00	7000.00	5500.00	2700.00	2700.00	1500.00	1500.00
PP1.2	Ropar Thermal Project Stage-II (2 × 210 = 420 MW) ..	—	—	—	50.00	50.00	32600.00	32600.00	3750.00	3750.00
PP1.3	Mukerian Hydel Project (207 MW) ..	10004.00	5736.95	400.00	5500.00	5500.00	14208.00	14208.00	4700.00	4700.00
PP1.4	Anand Pur Sahib Hydel Project (134 MW) ..	4169.00	8427.85	1000.00	1000.00	1000.00	1400.00	1400.00	233.00	233.00
PP1.5	Micro Hydel Schemes	—	—	20.00	100.00	53.90	1300.00	1300.00	200.00	200.00
PP1.6	Reno/Modi. of GNDTP Bhatinda ..	—	200.00	250.00	300.00	300.00	950.00	950.00	650.00	650.00
PP1.7	GNDTP-Bhatinda-III and IV ..	872.00	298.90	108.00	50.00	50.00	150.00	150.00	50.00	50.00
PP1.8	UBDC-II (45MW) ..	—	—	—	—	—	5000.00	5000.00	—	—
PP1.9	Shah Pur Kandi Project	—	—	—	—	—	1742.00	1742.00	6.00	6.00
PP1.10	GNDTP-V & VI	—	—	—	—	—	4000.00	4000.00	—	—
PP1.11	Ropar Thermal Project Stage-III	—	—	—	—	—	—	—	—	—
PP1.12	Participation in Hydel Projects with neighbouring States ..	—	—	—	221.00	5.00	200.00	200.00	142.00	142.00
PP1.13	S.Y.L. ..	—	—	20.00	—	—	200.00	200.00	—	—
PP1.14	Shanan Renovation & Shanan Extension ..	1313.00	604.28	30.00	120.00	120.00	29.00	29.00	9.00	9.00
	Total (b)	32358.00	25922.92	16628.00	14341.00	12578.90	64479.00	64479.00	11240.00	11240.00

SEVENTH FIVE YEAR PLAN 1985—90

AND ANNUAL PLAN 1985-86

STATEMENT-II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : POWER

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980—85 Approved outlay	1980—83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		1985—90 Seventh Five year Plan		1985-86	
				Approved outlay	Anticipated expendi- ture	Approved outlay	Of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
A. Generation ..	42060.00	28901.74	17191.00	16264.00	14498.90	114250.00	114250.00	18719.00	18719.00
B. Transmission and Distribution ..	23500.00	11411.00	3494.00	4800.00	4685.00	43871.00	43871.00	4800.00	4800.00
C. Rural Electrification	7134.00	3858.00	690.00	200.00	182.00	5429.00	5429.00	891.00	891.00
Science and Technology Component									
D. Power Development	600.00	81.86	30.00	241.00	141.00	250.00	250.00	30.00	30.00
Total—PSEB ..	73294.00	44252.60	21405.00	21505.00	19506.90	163800.00	163800.00	24440.00	24440.00
E. (a) New and Renewable sources of Energy including bio-gas									
(i)									
Bio-gas (Agriculture Department) ..	30.00	28.98	0.46	5.00	4.20	39.00	39.00	5.00	5.00
(ii)									
New and Renewable source of Energy (b) Integrated Rural Energy Programme (IREP) ..						121.00	121.00	13.00	13.00
						90.00	90.00	17.00	17.00
Total—E ..	30.00	28.98	0.46	5.00	4.20	250.00	250.00	35.00	35.00

SEVENTH FIVE YEAR PLAN 1985-90 AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

No. and Name of the Scheme	Sixth Five Year Plan 1980-85 Approved Outlay	1980-83	1983-84	1984-85		7th Five Year Plan 1985-90		1985-86		
		Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	Approved outlay	Of which capital Content	
1	2	3	4	5	6	7	8	9	10	
1. VILLAGE AND SMALL INDUSTRIES										
1. Direction and Administration										
IN 1.1	Strengthening of Cell for grant of incentives	—	—	—	—	—	5.00	—	0.01	—
	Total	—	—	—	—	—	5.00	—	0.01	—
2. Small Scale Industries										
IN 2.1	District Industries Centre ..	250.00	90.27	43.09	50.00	49.35	300.00	120.00	54.00	28.00
IN 2.2	Grant of subsidy for purchase of generating sets ..	2.50	2.50	—	9.00	15.00	160.00	100.00	20.00	20.00
IN 2.3	State Capital Subsidy	225.00	107.16	215.00	250.00	250.00	2000.00	2000.00	275.00	275.00
IN 2.4	Training of staff and visit to industries in other States ..	2.30	0.57	0.30	0.97	0.97	5.00	—	1.00	—
IN 2.5	Equipping and Modernisation of Industrial Development Centres	100.00	48.06	17.97	10.00	22.15	80.00	80.00	12.00	12.00
IN 2.6	Equipping and Modernisation of Quality Marking Centres ..	39.00	10.14	3.46	2.00	3.64	40.00	40.00	5.00	5.00
IN 2.7	Sewing Machine Development Centre, Ludhiana ..	60.00	23.91	28.30	20.00	18.50	30.00	30.00	2.00	2.00
IN 2.8	Punjab Test House, Ludhiana ..	35.00	13.44	7.27	5.00	6.17	50.00	50.00	12.00	12.00
IN 2.9	Modernisation of S. S. I. ..	40.00	9.39	0.50	2.00	1.72	75.00	70.00	10.00	10.00
IN 2.10	Research and Development Centre for Bicycle, Ludhiana ..	80.00	23.78	20.54	25.00	29.00	30.00	30.00	2.00	2.00
IN 2.11	Extension of Central Food Technological Research Institute building, Ludhiana	12.00	13.43	0.43	0.10	0.75	6.00	6.00	2.00	2.00
IN 2.12	Implementation of Quality Control order on House Hold Electrical Appliances ..	8.00	1.74	2.09	4.00	3.65	25.00	15.00	6.00	4.00

SEVENTH FIVE YEAR PLAN 1985-90 AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

No. and Name of the Scheme	Sixth	1980-83	1983-84	1984-85		7th Five Year Plan		1985-86	
	Five Year Plan 1980-85 Approved Outlay	Actual Expen- diture	Actual Expen- diture	Approved Outlay	Anticipa- ed Expendi- ture	Approved outlay	Of which Capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
IN 2.13	Effluent Treatment Plant in various Industrial Development Centres ..	—	—	—	—	30.00	30.00	10.00	10.00
IN 2.14	Chief Inspector of Boilers ..	6.50	—	—	1.00	8.00	—	1.25	—
IN 2.15	Incentives for quality certification of S.S.I. Products ..	—	—	—	0.50	0.50	21.00	21.00	3.00
IN 2.16	Setting up of New UNDP aided Projects ..	—	—	—	—	30.00	30.00	0.01	0.01
IN 2.17	Conservation of energy improvement ..	—	—	—	—	30.00	24.00	6.00	6.00
IN 2.18	Promotion of Industries based on utilisation of Agricultural Waste/Residue ..	—	—	—	—	10.00	10.00	0.01	0.01
IN 2.19	Entrepreneurial training programme with I. L. O assistance ..	—	—	—	—	20.00	8.00	4.00	2.00
IN 2.20	Productivity awards ..	—	—	—	—	10.00	—	2.00	—
IN 2.21	Marketing Assistance Programme—								
	(i) Export award ..	2.30	0.90	0.50	0.50	4.00	—	0.50	—
	(ii) Participation in Industrial Fairs ..	21.00	5.02	1.50	1.50	22.00	—	4.50	—
	(iii) Trade Centre ..	16.00	—	—	0.50	5.00	—	0.50	—
IN 2.22	Publicity ..	15.00	6.95	0.95	3.00	3.00	15.00	—	3.00
IN 2.23	Punjab Small Industries and Export Corporation ..	80.50	0.50	—	—	—	50.00	50.00	10.00
	Total ..	995.10	357.76	341.90	385.07	409.20	2996.00	2714.00	445.77
	3. Handloom Industries—								
IN 3.1	(i) Rebate on sale of Handloom Cotton Cloth ..	18.00	7.51	4.00	9.00	9.00	50.00	—	8.00
	(ii) Strengthening of SASMIRA Centre ..	—	—	—	1.00	—	10.00	—	2.00

SEVENTH FIVE YEAR PLAN 1985-90 AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

No. and Name of the Scheme	Sixth Five Year Plan 1980-85 Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85 Approved Outlay	1984-85 Anticipated Expenditure	7th Five Year Plan 1985-90 Approved Outlay	7th Five Year Plan 1985-90 Of which Capital content	1985-86 Approved Outlay	1985-86 Of which Capital content
	2	3	4	5	6	7	8	9	10
IN 3.2 Punjab State Handloom and Textile Development Corporation ..	100.00	169.00	75.00	1.00	1.00	100.00	100.00	5.00	5.00
IN 3.3 Punjab State Hosiery and Knitwear Development Corporation	125.00	54.00	25.00	40.00	80.00	20.00	20.00	8.00	—
Total ..	243.00	230.51	104.00	51.00	90.00	180.00	120.00	23.00	5.00
4. Khadi and Village Industries									
IN 4.1 Punjab State Leather Development Corporation ..	200.00	56.90	20.00	20.00	30.00	200.00	200.00	30.00	30.00
Total ..	200.00	56.90	20.00	20.00	30.00	200.00	200.00	30.00	30.00
5. Handicrafts									
IN 5.1 Development of Handicraft Industry ..	20.00	5.87	3.37	5.00	3.50	25.00	—	5.00	—
Total ..	20.00	5.87	3.37	5.00	3.50	25.00	—	5.00	—
6. Sericulture									
IN 6.1 (i) Construction of grainage building ..						20.00	20.00	4.00	4.00
(ii) Subsidy to selected silk worm rearers	30.00	5.74	2.60	3.30	3.15	3.00	—	0.52	—
(iii) Training facilities in reeling in existing centres						1.00	—	0.20	—
(iv) Construction of reeling units						5.00	5.00	2.50	2.40
(v) Expansion of reeling units						20.00	10.00	3.00	1.50
Total ..	30.00	5.74	2.60	3.30	3.15	49.00	35.00	10.22	7.90

SEVENTH FIVE YEAR PLAN 1985-90 AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

No. and Name of the Scheme	Sixth Five Year Plan 1980-85 Approved outlay	1980—	1983-84	1984-85		7th Five Year Plan 1985-90		1985-86		
		Actu- Exp di- tur.	Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
7. Statistics										
IN 7.1	Strengthening of Statistical Cell ..	1.00	—	—	—	—	5.00	—	—	—
	Total ..	1.00	—	—	—	—	5.00	—	—	—
	Schemes Dropped ..	571.90	208.04	50.61	16.62	22.45	—	—	—	—
	Grand Total Village and Small Industries ..	2061.00	864.82	522.48	480.99	558.30	3460.00	3069.00	514.00	447.92
8. MEDIUM AND LARGE INDUSTRIES										
IN 8.1	Punjab Financial Corporation ..	100.00	55.00	100.00	1.00	1.00	450.00	450.00	50.00	50.00
	Total ..	100.00	55.00	100.00	1.00	1.00	450.00	450.00	50.00	50.00
9. Development Corporations										
IN 9.1	Punjab State Industrial Development Corporation ..	2950.00	1067.50	320.00	400.00	500.00	3000.00	3000.00	500.00	500.00
	Total ..	2950.00	1067.50	320.00	400.00	500.00	3000.00	3000.00	500.00	500.00
10. Other Corporations										
IN 10.1	Punjab State Electronics Development and Production Corporation ..	200.00	140.00	40.00	80.00	100.00	1000.00	1000.00	80.00	80.00
IN 10.2	Goindwal Industrial and Investment Corporation ..	—	188.00	75.00	15.00	15.00	100.00	100.00	15.00	15.00
	Total ..	200.00	328.00	115.00	95.00	115.00	1100.00	1100.00	95.00	95.00

SEVENTH FIVE-YEAR PLAN 1985-90 AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

No. and Name of the Scheme	Sixth Five-year Plan 1980-85 Approved outlay	1980-83	1983-84	1984-85		7th Five year Plan 1985-90		1985-86		
		Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Anticipated Expendi- ture	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
11. INDUSTRIAL AREAS										
IN 11-1	Acquisition of Land									
	(i) Focal growth points ..	850-00	737-00	251-00	150-00	150-00	500-00	500-00	50-00	50-00
	(ii) Interest free loan ..	1015-00	410-20	269-98	413-00	461-00	2500-00	2500-00	500-00	500-00
	(iii) Land subsidy	621-00	33-09	68-60	100-00	95-00	831-00	831-00	100-00	100-00
	(iv) Subsidy to Punjab Alkalis Ltd. ..	49-50	104-55	40-00	42-00	92-00	250-00	—	50-00	—
	(v) Reimbursement of Octroi/ Terminal Tax ..	35-00	10-50	10-00	10-00	10-00	200-00	—	45-00	—
	Total ..	2570-50	1295-34	639-58	715-00	808-00	4281-00	3831-00	745-00	650-00
	Schemes Dropped	266-50	106-46	1-93	4-01	4-00	—	—	—	—
	Total Large and Medium ..	6087-00	2852-30	1176-51	1215-01	1428-00	8831-00	8381-00	1390-00	1295-00
12. MINES AND MINERALS										
IN 12-1	Development of Mines and Minerals ..	20-00	16-10	1-75	3-00	3-00	30-00	20-00	4-00	4-00
	Total ..	20-00	16-10	1-75	3-00	3-00	30-00	20-00	4-00	4-00
	Total Industry and Minerals ..	8168-00	3733-22	1700-74	1699-00	1989-30	12321-00	11470-00	1908-00	1746-92
13. WEIGHTS AND MEASURES										
IN 13-1	Implementation of Weights and Measures Act ..	15-00	3-66	—	3-00	—	10-00	10-00	2-00	2-00
	Total ..	15-00	3-66	—	3-00	—	10-00	10-00	2-00	2-00
	Grand Total ..	8183-00	3736-88	1700-74	1702-00	1989-30	12331-00	11480-00	1910-00	1748-92

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ROADS AND BRIDGES

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five-Year Plan (1980-85) Approved outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985-90		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
1. State Highways District and other Roads										
RD 1-1	Main Roads and Missing Links ..	120.00	96.58	37.03	25.00	30.00	200.00	200.00	30.00	30.00
RD 1-2	Improvement/Widening and providing additional crust on existing roads ..	1850.00	1171.33	273.82	450.00	500.00	6000.00	6000.00	500.00	500.00
RD 1-3	Arboriculture and landscaping of roads ..	15.00	—	—	—	—	—	—	—	—
2 Machinery and Equipment										
RD 2-1	Machinery ..	250.00	17.70	—	25.00	35.00	200.00	200.00	35.00	35.00
3 Minimum Needs Programme										
RD 3-1	(i) Village roads ..	2000.00	1299.28	535.14	30.00	60.00	55.00	55.00	55.00	55.00
	(ii) Zila Parishad roads ..	80.00	10.24	—	—	—	—	—	—	—
4 Safty Works including Bridges										
RD 4-1	Bridges ..	1745.00	516.18	473.13	550.00	520.00	1500.00	1500.00	525.00	525.00
5 Other Expenditure										
RD 5-1	Central Road Fund	300.00	140.39	33.58	120.00	40.00	400.00	400.00	40.00	40.00
RD 5-2	Improvement of Roads within M.C. Limits	230.00	126.77	74.70	35.00	50.00	900.00	900.00	50.00	50.00
RD 5-3	Bye-passes ..	360.00	40.84	13.60	40.00	40.00	500.00	500.00	40.00	40.00
RD 5-4	Research and Development, field Training, Labs. and purchase of equipment ..	50.00	—	—	205.00	5.00	45.00	45.00	5.00	5.00
Total ..										
		7000.00	3419.31	1441.00	1480.00	1280.00	9800.00	9800.00	1280.00	1280.00

SEVENTH FIVE YEAR PLAN 1985—90

AND ANNUAL PLAN 1985-86

STATEMENT-II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : ROAD TRANSPORT

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) approved outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90)		1985-86	
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
RT-1 Pupsu Road Transport Corporation (Share Capital Contribution)	1025.00	915.00	320.00	400.00	535.00	2750.00	2750.00	550.00	550.00
RT-2 Punjab Roadways—									
(i) Land and Building	178.00	396.62	104.77	100.00	125.00	500.00	500.00	100.00	100.00
(ii) Acquisition of fleet—									
(a) Addition	1154.00	458.23	—	—	—	—	—	—	—
(b) Replacement	1609.00	1375.43	342.16	383.00	523.00	4965.00	4965.00	530.00	530.00
(iii) Workshop facilities	25.50	37.67	1.48	15.00	15.00	75.00	75.00	18.00	18.00
(iv) Other Expenditure	8.50	3.83	2.40	2.00	2.00	10.00	10.00	2.00	2.00
Total (i) to (iv)	2975.00	2271.78	450.81	500.00	665.00	5550.00	5550.00	650.00	650.00
Total RT 1 and RT 2	4000.00	3186.78	770.81	900.00	1200.00	8300.00	8300.00	1200.00	1200.00

SEVENTH FIVE YEAR PLAN 1985—90
AND ANNUAL PAN 1985-86
STATEMENT-II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : CIVIL AVIATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) approved outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90)		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
1 Training and Education										
AV 1·1	(i) Provision for aircraft maintenance Engineering School at Patiala	28·00	15·50	5·00	5·00	5·00	25·00	—	5·00	—
	(ii) Provision for Simulator Training ..	8·00	4·00	1·00	1·00	1·00	5·00	—	1·00	—
	(iii) Taking over Flying clubs ..	—	—	—	—	—	35·00	—	5·00	—
2 Aerodromes and Air Route Service										
AV 2·1	Extension and construction of aerodromes	5·00	3·50	—	—	—	25·00	25·00	4·00	4·00
3 Machinery and Equipment										
AV 3·1	Advanced training of Pilots ..	29·00	33·50	6·97	8·00	8·00	30·00	30·00	5·00	5·00
	Total ..	70·00	56·50	12·97	14·00	14·00	120·00	55·00	20·00	9·00

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT-II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : TOURISM

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85)		1983-84	1984-85		Seventh Plan (1985-90)		1985-86	
	Year Plan approved outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
Tourism									
1. Punjab State Tourism Development Corporation	255.00	106.00	25.00	25.00	25.00	190.00	190.00	19.99	19.99
2. Directorate of Tourism	—	—	—	—	—	10.00*	—	0.01*	—
Total	255.00	106.00	25.00	25.00	25.00	200.00	190.00	20.00	19.99

*Token Provision.

SEVENTH FIVE YEAR PLAN 1985—90

AND ANNUAL PLAN 1985-86

STATEMENT-II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : SCIENCE, TECHNOLOGY AND ENVIRONMENTAL PROGRAMME

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980—85) approved outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
A. Science and Technology										
(a) New and Renewable source of Energy—										
Sc T-1	State subsidy on Solar Cookers ..	—	—	—	—	—	35.00	35.00	5.00	5.00
Sc T-2	Solar Water Heating System ..	—	—	—	—	—	35.00	35.00	5.00	5.00
Sc T-3	Agro-Residue Based Power Generation ..	—	—	—	—	—	5.00	5.00	1.00	1.00
Sc T-4	Community and Institutional Bio-gas Plants ..	—	—	—	—	—	100.00	100.00	10.00	10.00
Sc T-5	Wind Data Collection in the State ..	—	—	—	—	—	10.00	10.00	2.00	2.00
Sc T-6	Basic Energy studies in the villages ..	—	—	—	—	—	5.00	5.00	1.00	1.00
Sc T-7	Setting up of Punjab Energy Development Agency ..	—	—	—	—	—	25.00	25.00	5.00	5.00
Sc T-8	Incentives for making improvements in the efficiency of Pumping sets etc. ..	—	—	—	—	—	25.00	25.00	5.00	5.00
Sc T-9	Subsidy for Wind Pumps ..	—	—	3.00	—	—	—	—	—	—
Sc T-10	Pilot thermal power Station exclusively based on agricultural wastes ..	—	—	5.00	—	—	—	—	—	—
Sc T-11	Subsidy for sponsored research for applied science and technology including consultancy studies ..	—	—	12.00	—	—	—	—	—	—
Sc T-12	Installation of flow turbines ..	—	—	—	2.00	2.00	—	—	—	—
Sc T-13	Installation of water heating panels ..	—	—	—	4.50	4.50	—	—	—	—
Sc T-14	Installation of Wind Pumps ..	—	—	—	1.50	1.50	—	—	—	—
Total (a) ..		—	—	20.00	8.00	8.00	240.00	240.00	34.00	34.00

SEVENTH FIVE YEAR PLAN 1985—90

AND ANNUAL PLAN 1985-86

STATEMENT-II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : SCIENCE, TECHNOLOGY AND ENVIRONMENTAL PROGRAMME

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980—85) approved outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
(b) Scientific Services										
Sc T-15	Sponsored Science and Technology Pilot trials/ Extensions through approved institutions in the State ..	—	—	—	—	—	87.00	87.00	5.00	5.00
Sc T-16	Use of Remote Sensing and Aerial Photography technologies in agriculture and Irrigation sectors ..	—	—	—	—	—	25.00	25.00	5.00	5.00
Sc T-17	Supporting Voluntary Organisations ..	—	—	—	—	—	20.00	20.00	2.00	2.00
Sc T-18	Technical Secretariat for the State Council for Science and Technology ..	—	—	—	4.50	4.50	10.00	—	2.00	—
Sc T-19	Meteorological Satellite Ground Receiving station at Punjab Agriculture University, Ludhiana ..	—	—	—	2.50	2.50	18.00	18.00	5.00	5.00
	Total (b) ..	—	—	—	7.00	7.00	160.00	150.00	19.00	17.00
	Total—(A) (a+b) ..	—	—	20.00	15.00	15.00	400.00	390.00	53.00	51.00
B. Environmental Programmes										
En P-1	Scheme regarding giving support to the District Environment Committees ..	—	—	—	—	—	85.00	—	12.00	—
En. P-2	Environmental consultancy study ..	—	—	—	—	—	5.00	—	1.00	—
En. P-3	Support to Voluntary Organisations ..	—	—	—	—	—	10.00	—	2.00	—
En. P-4	Monitoring of dust, air and gaseous pollution ..	—	—	—	2.00	2.00	—	—	—	—
En. P-5	Study of emission of smoke and other Pollution gases ..	—	—	—	2.00	2.00	—	—	—	—
En. P-6	Environment Board and committees ..	—	—	—	1.00	1.00	—	—	—	—
	Total—B ..	—	—	—	5.00	5.00	100.00	—	15.00	—
	Total (A+B)	—	—	20.00	20.00	20.00	500.00	390.00	68.00	51.00

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Schemes/ Projects	Sixth Five-Year Plan (1980—85) Approved outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved outlay	Anticipated expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
Primary Education :										
ED 1.1	Expansion and improvement of primary schools—									
	(i) Opening of Primary schools ..	15.39	5.52	2.33	2.35	2.81	14.00	—	0.70	—
	(ii) Furniture in primary schools ..	47.00	10.21	10.11	2.20	2.20	150.00	—	35.00	—
	(iii) Part-time sweepers in schools ..	18.00	4.25	2.59	5.00	2.60	37.00	—	1.88	—
	(iv) Laboratory and drinking water facilities ..	20.40	3.13	0.70	1.00	1.00	78.00	—	17.42	—
	(v) Replenishment/provision of Science kits ..	15.27	1.88	—	—	—	—	—	—	—
	(vi) Library Services ..	8.79	5.19	0.37	0.40	0.39	—	—	—	—
ED 1.2	Construction of class rooms/schools buildings—									
	(a) Matching provision for RLEGP funds to be executed by the agencies other than P.W.D. ..	—	—	—	—	60.00	500.00	500.00	100.00	—
	(b) Non RLEGP ..	510.00	253.34	84.28	10.00	30.00	—	—	—	—
ED 1.3	Administration and supervision—additional staff ..									
		70.15	—	—	0.10	0.10	100.00	—	20.55	—
ED 1.4	Seminars and workshops for BEOs/CHTs/HTs ..									
		—	—	—	—	—	6.00	—	1.00	—
ED 1.5	Qualitative improvement in Pry. School ..									
		—	—	—	—	—	451.00	—	—	—
ED 16	Non-formal Education Programme ..									
		17.00	6.45	2.20	2.50	2.50	—	—	—	—
ED 1.7	In-service training to J. B. T. teachers ..									
		4.00	0.82	0.30	0.50	0.68	—	—	—	—
Total (Primary School)		726.00	290.79	102.88	24.05	102.28	1336.00	500.00	176.55	—

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980-85) Approved outlay	1980-83 Actual expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985-90		1985-86		
				Approved outlay	Anticipated Expd.	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
Secondary Education :										
2. Middle Schools (VI—VIII)										
ED 2.1	Upgradation of primary schools to middle standard ..	504.53	319.94	224.49	240.60	279.00	100.00	—	6.00	—
ED 2.2	Provision for meeting deficiencies in middle schools ..									
	(i) Construction of science rooms ..	19.00	4.83	4.00	15.00	3.00	800.00	—	125.00	—
	(ii) Science equipment and apparatus ..	13.39	13.38	—	—	—	72.50	—	22.00	—
	(iii) Construction of class rooms/school buildings ..	11.00	4.77	0.61	1.00	1.00	300.00	300.00	—	—
	(iv) Lavatory and drinking water facilities ..	—	—	—	—	—	72.50	—	25.00	—
	(v) Furniture in middle schools ..	—	—	—	—	—	72.35	—	25.00	—
	(vi) Science/Math/English mastrs/mistresses ..	126.60	65.66	32.81	33.70	34.34	—	—	—	—
	(vii) Posts of P. T. Is. ..	69.40	53.93	24.66	24.72	27.60	—	—	—	—
	(viii) Posts of masters/mistresses ..	342.90	200.11	98.63	91.26	103.40	—	—	—	—
	(ix) Introduction of Subject of domestic science ..	4.00	2.21	0.95	1.10	1.25	—	—	—	—
ED 2.3	Universalisation of elementary education ..	—	—	—	—	—	30.65	—	5.00	—
ED 2.4	Non-formal Education ..	15.00	3.86	2.13	2.50	2.50	40.00	—	7.75	—
ED 2.5	Students Welfare Programme—									
	(i) Children Theatre Group ..	14.20	2.52	—	—	—	—	—	—	—
	(ii) Integrated education for physically handicapped children (State share) ..	12.72	0.05	—	—	—	—	—	—	—
ED 2.6	Vocationalisation of education ..	126.23	—	—	—	—	—	—	—	—
E.D. 2.7	Additional staff for supervision ..	127.08	19.61	8.05	7.50	9.10	—	—	—	—
Total (Middle Schools)		1386.05	690.87	396.31	417.38	461.19	1488.00	300.00	215.75	—

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT—II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan		1985-86		
				App. Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
3. High/Higher Secondary Schools										
ED 3.1	Upgradation of middle schools to high level ..	750.18	708.11	451.32	414.00	530.00	100.00	—	3.00	—
ED 3.2	Improvement in science education—									
	(i) Construction of science Labs. ..	22.50	14.78	2.73	15.00	8.00	1000.00	—	215.00	—
	(ii) Science equipment & apparatus ..	—	—	—	—	—	100.00	—	40.00	—
	(iii) Posts of Laboratory attendants ..	82.01	51.43	25.22	26.64	30.00	200.00	—	20.00	—
	(iv) Holding of science talent search examination ..	2.92	0.98	0.39	0.68	0.68	24.00	—	6.00	—
ED 3.3	Provision for other facilities									
	(i) Construction of school buildings ..	159.36	61.41	33.40	15.50	55.00	200.00	200.00	20.00	20.00
	(ii) Library services ..	38.81	21.13	9.42	10.00	11.48	45.00	—	5.00	—
	(iii) Furniture in high/higher Secondary schools ..	—	—	—	—	—	80.00	—	28.52	—
	(iv) Laboratory and drinking water facilities ..	—	—	3.90	2.00	5.00	55.00	—	11.00	—
ED 3.4	(a) Introduction of 10+2 system of education in Govt. schools ..	—	—	—	1.00	1.00	1000.00	—	100.00	—
ED 3.5	Scholarships for poor but brilliant students..	33.24	14.12	6.19	6.56	6.56	30.00	—	6.00	—
ED 3.6	Teacher's Education									
	(i) Inservice training to teachers—									
	(a) Masters/mistresses ..	50.00	21.62	5.72	8.00	8.00	60.00	—	12.00	—
	(b) J. B. T. ..	—	—	—	—	—	50.00	—	10.00	—
	(ii) S.C.E.R.T. ..	20.50	2.16	3.53	6.11	6.09	—	—	—	—
	(iii) Technology cell ..	—	2.79	2.24	2.61	2.61	—	—	—	—
	(iv) Population education projects ..	—	0.04	0.18	0.35	0.36	—	—	—	—
	(v) Setting up of 3 new in Service training centres (State share) ..	—	—	—	—	—	80.25	—	15.00	—
	(vi) Establishment of continuing centres ..	—	—	—	—	—	4.50	—	1.00	—

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN (1985-86)

STATEMENT—II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the schemes/projects	Sixth Five Year Plan (1980-85) Approved outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985-90		1985-86	
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
(vii) Strengthening of science education ..	—	—	—	—	—	15.00	—	2.08	—
(viii) Strengthening and improvement of primary education (UNICEF)	—	—	—	—	—	1.25	—	0.25	—
ED 3.7 Physical education (Sports & Games) in schools	131.34	67.59	31.79	35.10	33.85	300.00	—	70.00	—
ED 3.8 Adult Education ..	100.00	—	—	2.00	2.00	500.00	—	10.00	—
ED 3.9 Direction and Administration District level accounts staff	20.14	9.30	3.97	3.20	4.30	11.00	—	1.00	—
ED 3.10 Additional teaching staff/introduction of new subjects—									
(i) Introduction of Home Sc. in Hr. Sec., Schools ..	5.46	2.78	1.42	1.45	1.45	—	—	—	—
(ii) Introduction of subject of music ..	9.28	3.97	2.14	2.50	2.60	—	—	—	—
(iii) Vocationalisation of Education ..	254.21	74.37	81.58	90.00	70.25	—	—	—	—
Total ..	1679.95	1056.58	665.14	642.70	779.23	3856.00	200.00	575.85	20.00
Total Middle and Secondary ..	3066.00	1747.45	1061.45	1060.08	1240.42	5344.00	500.00	791.60	20.00
College Education									
4. Direction and Administration—									
ED 4.1 Strengthening of Directorate-Administration ..	18.50	0.83	0.66	3.00	1.87	5.00	—	0.10	—
ED 4.2 Strengthening of Planning Machinery ..	3.50	—	—	—	—	—	—	—	—
ED 4.3 Computer system for basic information ..	—	—	—	—	—	55.00	—	21.50	—
Total ..	22.00	0.83	0.66	3.00	1.87	60.00	—	21.60	—
5. Grant-in-aid to the Universities—									
ED 5.1 Chairs and Job oriented courses ..	275.00	97.52	8.43	12.00	12.00	75.00	—	18.20	—
ED 5.2 Matching contribution for UGC aided projects ..	—	—	—	24.00	32.00	200.00	—	40.00	—
ED 5.3 Regional Centre at Bhatinda ..	—	—	—	—	4.00	20.00	—	4.00	—
Total ..	275.00	97.52	8.43	36.00	48.00	295.00	—	62.20	—

**SEVENTH FIVE-YEAR PLAN, (1985--90)
AND ANNUAL PLAN (1985-86)**

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth-Five Year Plan (1980—85) Approved Outlay	1980—83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985 - 90		1985-86		
				App. Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
6. Government Colleges—										
ED 6.1	Expansion of colleges	191.50	35.38	24.01	6.40	27.97	300.00	100.00	40.00	—
ED 6.2	Improvement in existing colleges	263.00	78.89	31.42	54.30	63.39	400.00	200.00	60.00	1.00
ED 6.3	Development of colleges under U.G.S. aided projects	37.00	1.11	0.67	5.00	5.00	40.00	—	6.00	—
ED 6.4	Strengthening of colleges administration	5.00	5.72	—	—	—	5.00	—	0.15	—
	Total	496.50	121.10	56.10	65.70	96.36	745.00	300.00	106.15	1.00
7. Other Programmes :—										
ED 7.1	Hostels in Govt. Colleges	25.50	13.61	3.94	9.72	0.43	60.00	40.00	10.00	8.00
ED 7.2	State Merit Scholarships	25.00	15.26	5.26	5.26	5.26	30.00	—	6.00	—
ED 7.3	Seminars & Refresher Courses	5.00	—	0.20	1.00	1.00	5.00	—	1.00	—
ED 7.4	Opening of career wings in Govt. Colleges	2.00	3.60	9.82	12.40	10.00	—	—	—	—
ED 7.5	Grant-in-aid to Non-Govt. Colleges	12.00	—	—	—	—	—	—	—	—
	Total	69.50	32.47	19.22	28.38	16.69	95.00	40.00	17.00	8.00
8. Art and Culture—										
ED 8.1	Establishment and strengthening of district libraries	37.00	11.40	9.26	7.80	9.32	20.00	10.00	4.00	2.00
	Total	37.00	11.40	9.26	7.80	9.32	20.00	10.00	4.00	2.00
	Total (Colleges)	900.00	263.32	93.67	140.88	172.34	1215.00	350.00	210.95	11.00
9. Languages —										
ED 9.1	Development of Punjabi	41.58	14.21	7.00	10.38	14.07	41.00	—	6.15	—
ED 9.2	Development of Hindi	7.98	4.02	1.52	1.98		8.00	—	1.25	—
ED 9.3	Development of Urdu	7.92	3.98	1.51	1.91		7.00	—	1.00	—
ED 9.4	Development of Sanskrit	0.90	—	0.24	0.64		6.00	—	1.00	—
ED 9.5	Statistical Cell	—	—	—	—	5.00	—	0.60	—	
ED 9.6	Promotion of regional languages, (Grant-in aid to Punjab University Text Book Board)	44.62	19.05	9.76	9.76	9.76	20.00	—	2.50	—
	Total	103.00	41.26	20.03	24.67	23.83	87.00	—	12.50	—

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)
STATEMENT II—SCHEMES**

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83 Actual expenditure	1983-84 Actual expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved Outlay	Anticipated expenditure	Approved Outlay	Of which capital content	Approved outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
10. Youth Services—										
ED 10.1	Youth festivals ..	2.50	0.50	0.50	0.75	0.75	3.75	—	0.75	—
ED 10.2	Teacher Training Camps	1.73	0.31	0.12	0.16	0.16	0.80	—	0.16	—
ED 10.3	Youth leadership training Hiking, Trekking/ Mountaineering Camps	12.78	6.05	2.86	3.35	3.35	15.00	—	3.00	—
ED 10.4	Grant-in-aid for the establishment of village youth clubs/college youth clubs ..	6.49	2.30	1.10	1.54	1.54	9.00	—	1.10	—
ED 10.5	Inter-State tours	7.40	3.32	1.40	1.45	1.45	3.75	—	1.20	—
ED 10.6	Establishment of district youth centres	—	—	—	—	—	8.00	—	0.80	—
ED 10.7	Establishment of state youth training and development centre	—	—	—	—	—	4.00	4.00	1.00	1.00
ED 10.8	Celebration of I.Y.Y.	—	—	—	—	—	1.25	—	0.45	—
ED 10.9	National Service Scheme (State share)	45.85	26.96	9.24	13.54	12.78	67.45	—	13.54	—
	Total ..	76.75	39.44	15.22	20.79	20.03	113.00	4.00	22.00	1.00
11. Sports and Games—										
ED 11.1	Coaching Scheme ..	42.75	19.17	8.19	7.00	7.38	25.00	—	4.25	—
ED 11.2	Competition Schemes	27.00	9.80	2.88	4.50	4.50	20.00	—	4.00	—
ED 11.3	Sports scholarships ..	14.25	7.13	1.90	2.60	2.60	15.00	—	2.60	—
ED 11.4	Purchase of sports equipment ..	31.55	13.75	4.39	6.00	6.00	30.00	—	6.00	—
ED 11.5	Grant-in-aid to the Punjab Sports Council for the construction of sports complexes	55.00	20.89	8.00	8.00	8.00	53.00	—	9.65	—
ED 11.6	State Sports Academy	27.10	5.47	0.78	5.50	0.44	—	—	—	—
ED 11.7	Sports hostels ..	32.35	10.14	4.16	1.40	5.50	27.00	—	5.50	—
	Total ..	230.00	86.35	30.30	35.00	34.42	170.00	—	32.00	—
12. Archives—										
ED 12.1	Modernisation and preservation of archives	5.00	1.08	1.16	1.53	1.68	10.00	—	1.50	—
ED 12.2	Strengthening of State archives library	—	—	—	—	—	2.50	—	0.40	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN (1985-86)

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five-Year Plan 1980—85 Approved Outlay	1980—83 Actual expenditure	1983-84 Actual expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved Outlay	Anticipated expenditure	Approved Outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
ED 12.3	Setting up of cell at Amritsar for material relating to Maharaja Ranjit Singh ..	—	—	—	—	—	2.50	—	0.50	—
ED 12.4	Modernisation of Preservation techniques ..	—	—	—	—	—	40.00	—	10.00	—
	Total ..	5.00	1.08	1.16	1.53	1.68	55.00	—	12.40	—

13. Archaeology and Museum—

ED 13.1	Conservation/preservation, land scaping, & beautification of ancient and historical monuments ..	33.00	15.96	7.40	8.35	8.75	80.00	—	12.00	—
ED 13.2	Purchase of modern machinery and equipment ..	3.00	1.42	0.50	0.60	0.60	10.00	—	3.00	—
ED 13.3	Transplantation of paintings ..	3.00	0.85	0.50	0.55	0.55	5.00	—	1.50	—
ED 13.4	Excavation and exploration and publication of archaeological report ..	5.00	1.26	1.30	1.50	1.50	13.00	—	2.50	—
ED 13.5	Development of Archaeological library ..	1.00	0.34	0.20	0.25	0.25	3.00	—	0.50	—
ED 13.6	Modernisation of archaeological laboratory ..	3.00	1.31	0.60	0.75	0.75	8.00	—	1.50	—
ED 13.7	Museum Publications ..	—	—	—	—	—	5.00	—	1.00	—
ED 13.8	Renovation/improvement and display in museums/galleries ..	9.00	5.18	1.80	3.20	4.00	22.00	—	8.00	—
ED 13.9	Strengthening of technical and administrative wings of the Deptt. ..	3.00	—	—	1.20	—	70.00	—	3.00	—
ED 13.10	Canon Park Shed ..	3.00	—	—	0.60	0.60	—	—	—	—
	Total ..	63.00	26.32	12.30	17.00	17.00	216.00	—	33.00	—

14 Promotion of Arts/Culture—

ED 14.1	Revival of folk songs/dances ..	10.00	1.95	0.50	0.50	0.80	22.00	—	4.00	—
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SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five-Year Plan (1980—85) Approved outlay	1980—83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985—90		1985-86		
				App. Outlay	Antici- pated Expd.	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
ED 14-2	Sponsoring cultural troupes & candidates	7.00	3.41	0.99	1.00	1.00	10.00	—	1.50	—
ED 14-3	Grant-in-aid to the institutions engaged in the promotion of art & culture	10.00	6.25	0.55	1.00	1.00	15.00	—	2.00	—
ED 14.4	Holding of musical & cultural festivals, melas, seminars & Conferences	3.00	0.87	0.50	0.50	0.50	10.00	—	2.00	—
ED 14.5	Strengthening of technical/administrative wings	5.25	1.05	0.56	1.00	0.70	10.00	—	1.50	—
ED 14.6	Grants-in-aid to Zonal Cultural Centre,—Patiala	—	—	—	—	—	100.00	—	15.00	—
ED 14.7	Setting up of Punjabi cultural centre at New Delhi	50.00	—	0.10	1.00	1.00	—	—	—	—
ED 14-8	Setting up of cultural village at Chhatbir	5.00	—	—	—	—	—	—	—	—
Total		90.25	13.53	3.20	5.00	5.00	167.00	—	26.00	—
15. Chhatbir Complex										
ED 15.1	Setting up of International Children Home at Chhatbir	40.00	2.83	—	1.00	1.00	—	—	—	—
Total		40.00	2.83	—	1.00	1.00	—	—	—	—
Grand Total		5300.00	2512.37	1340.21	1330.00	1618.00	8703.00	854.00	1317.00	32.00

SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT II—SCHMES
OUTLAY AND EXPENDITURE
HEAD : TECHNICAL EDUCATION

(Rs in lakhs)

Name of the Scheme/ Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expd.	1983-84 Actual Excpd.	1984-85		Seventh Plan 1985—90		1985-86		
				App. Outlay	Antici- pated Expd.	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
1. Direction and Administration										
TE 1.1	Strengthening of Directorate	10.00	1.34	2.00	2.00	1.45	10.00	—	2.00	—
	Total	10.00	1.34	2.00	2.00	1.45	10.00	—	2.00	—
Private Engg. Colleges										
TE 2.1	Diversified degree course in Industrial Design (Mech. Engg.) at Thapar Instt. of Engg. and Technology, Patiala	6.00	2.50	2.00	3.00	12.00	12.00	—	6.00	—
TE 2.2	Diversified degree course in Electronics and Elect. communication at Guru Nanak Engg. College, Ludhiana	10.00	3.360	2.00	3.00	3.00	9.00	—	4.00	—
New Schemes										
TE 2.3	Diversification/Introduction of new courses	29.50	24.20	—	0.15	0.15	74.50	—	7.10	—
	Total	45.50	30.30	4.15	6.15	6.15	95.50	—	17.10	—
Govt. Engineering College										
TE 3.1	Setting up of Regional Engg. College	86.00	—	0.25	1.50	102.40	150.00	140.00	75.00	75.00
TE 3.2	Setting up of an Institute for Entrepreneurial Development and Management	—	0.10	—	0.20	0.06	59.00	—	0.20	—
New Schemes										
TE 3.3	Setting up of new Govt. Engg. Colleges	—	—	—	—	—	600.00	500.00	—	—
	Total	86.00	0.01	0.25	1.70	102.46	809.00	640.00	75.20	75.00
Polytechnic (Govt).										
TE 4.1	Production-cum-training centre at Govt. Polytechnic, Amritsar	5.00	0.12	0.79	1.00	0.50	16.00	1.00	3.00	0.50

**SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN 1985-86
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : TECHNICAL EDUCATION**

(Rs. in lakhs)

Name of the Scheme/ Projects	Sixth Five Year Plan (1985-85) Approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985-90		1985-86		
				Approved Outlay	Antici- pated Expd.	Approved Outlay	Of which Capital content	Approved Outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
TE 4.2	Service-cum-Training Centre at Govt. Polytechnic, Batala ..	5.00	0.90	1.94	1.00	0.50	21.50	0.50	2.00	0.30
TE 4.3	Setting up of New Govt. Polytechnic in the State ..	65.00	24.77	20.52	30.00	33.79	810.00	575.00	100.00	75.00
TE 4.4	Two years diploma course in commercial Practice in Regional Language (Pbi) at Govt. Poly. Hoshiarpur and Amritsar ..	—	—	—	2.80	3.90	9.00	—	4.00	—
TW 4.5	Introduction of New Diploma courses ..	—	—	—	—	—	283.50	132.00	4.10	—
TE 4.6	Providing separate feeder each Govt. Polytechnic ..	—	—	—	—	—	5.00	5.00	3.00	—
TE 4.7	Installation of New tubewell at Govt. Polytechnic, Amritsar ..	—	—	—	—	—	1.75	1.75	1.75	1.75
	Total ..	80.00	28.97	25.47	34.80	38.69	1146.75	715.25	117.85	77.55
5 Polytechnics (Private)										
TE 5.1	3-Years diploma course in Architectural assistantship at Thapar Poly. Patiala ..	5.00	—	2.00	2.0	2.00	16.00	—	5.00	—
TE 5.2	Three years diploma courses in Electronics and communications at Mehar Chand Poly-Jalandhar ..	1.00	1.00	1.00	1.00	1.00	6.50	—	3.00	—
TE 5.3	One year post diploma course in Hospital Engg. at Thapar Poly Patiala ..	3.50	—	2.00	2.00	2.00	2.25	—	0.55	—
TE 5.4	Introduction of new diploma level courses ..	1.00	0.25	0.25	0.25	0.25	147.00	—	2.00	—
	Total ..	9.50	1.25	5.25	5.25	5.25	171.75	—	10.55	—
6 Industrial Training Schemes										
TE 6.1	Introduction of new courses at Govt Poly, for women at Jalandhar ..	—	—	—	1.50	1.15	20.00	10.00	7.00	5.00
TE 6.2	Modernisation of equipment /Binding/Machinery & Library in Special Trade diploma level Institutions ..	—	—	—	3.50	4.00	175.00	60.00	15.00	5.00
TE 6.3	Starting of book bank for S C getting training in Technical Trades in alW the Insts. under the Industrial Training ..	—	—	—	—	—	5.00	—	3.00	—
	Total ..	33.00	6.11	5.52	5.00	5.15	200.00	70.00	25.00	10.00

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : TECHNICAL EDUCATION

(Rs in lakhs)

Name of the Scheme/ Project	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83 Actual Expd	1983-4 Actual Expd.	1984-85		Seventh Plan				
				App Outlay	Antici- pated Expd.	1985—90		1985-86		
						Approved Outlay	Of which capital content	Approved Outlay	Of which capital Content	
1	2	3	4	5	6	7	8	9	10	
7. Other Programmes										
TE 7.1	Modernisation/strength- ening of equipment in Govt. Polytechnics	18.00	6.79	2.64	2.00	1.50	20.00	—	10.00	—
TE 7.2	Scholarships	1.00	—	—	0.10	—	1.00	—	0.20	—
TE 7.3	Student amenities and Development of campus	6.00	1.96	0.21	1.00	1.00	5.00	5.00	—	—
TE 7.4	Development of lib- raries	3.00	1.06	0.85	0.50	0.50	10.00	—	—	—
TE 7.5	Book Bank for poor students	3.00	1.16	0.46	0.50	0.50	10.00	—	2.00	—
TE 7.6	Staff quarters in Govt Polytechnics	5.00	1.44	0.59	1.00	1.00	25.00	25.00	0.10	0.10
Total		36.00	12.41	4.75	5.10	4.50	71.00	30.00	12.30	0.10
Grand Total		300.00	80.39	46.39	60.00	163.65	2504.00	1455.25	260.00	162.65

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PUBLIC HEALTH AND SANITATION

(Rs in lakhs)

Name of the Schemes/ Project	Sixth Five Year Plan (1980-85) approved outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985-90		1985-86		
				Appro- ved outlay	Anticipated Expendi- ture	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
A Direction and Administration										
M.D.1.1	Strengthening of the O/O D R.M.E., Punjab	6.00	2.99	1.72	2.00	2.00	10.00	—	1.50	—
	Total	6.00	2.99	1.72	2.00	2.00	10.00	—	1.50	—
B. Medical Relief—										
M.D. 2.1	Expansion and Improve- ment of S.G.T.B. Hos- pital, Amritsar	220.00	132.85	46.82	85.20	165.20	325.00	125.00	140.00	50.00
M.D. 2.2	Expansion and Im- provement of R.H. Patiala	210.00	112.74	23.69	75.70	101.60	300.00	100.00	100.00	40.00
M.D. 2.3	Expansion and Im- provement of G.G.S. Hospital Faridkot	—	—	—	—	—	285.00	—	18.00	—
M.D. 2.4	Expansion and Impro- vement of T.B. Sanito- rium, Amritsar	26.00	7.25	2.53	3.00	3.81	31.30	19.00	20.00	10.00
M.D.2.5	Expansion and Im- provement of T.B. Centre, Patiala	20.00	5.79	1.95	4.50	2.15	23.25	13.25	6.50	2.00
	Total	476.00	258.63	74.99	168.40	272.76	964.55	257.25	284.50	102.00
C. Education—										
M.D. 3.1	Expansion and Im- provement of M.C. Amritsar	85.00	33.74	15.23	22.12	21.48	229.45	100.00	20.00	—
M.D. 3.2	Expansion and Im- provement of M.C. Patiala	71.00	20.14	17.98	22.63	22.02	100.00	50.00	20.00	—
M.D. 3.3	Expansion and Imp- rovement of G.G.S.M. C., Faridkot	900.00	413.86	137.69	165.00	194.25	883.00	700.00	129.00	119.00
M.D. 3.4	Expansion and Im- provement Dental College and Hospital, Amritsar	25.00	10.50	5.31	5.50	4.50	198.00	50.00	20.00	—
M.D. 3.5	Expansion and Im- provement of Dental Wing, M.C. Patiala	20.00	7.28	3.49	3.00	4.82	55.00	—	10.00	—
M.D. 3.6	Extra coaching to SC/BC students in Medical Colleges	2.00	Dropped	as none of the student	belonging to SC/BC is interested to attend the extra	classes				
M.D.3.7	Expansion and Im- provement of Library in Medical/Dental Colleges	—	—	—	—	—	100.00	—	15.00	—
	Total	1103.00	485.52	179.70	218.25	247.07	1565.45	900.00	214.00	119.00

SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT II—SCHEMES
OUTLAY AND EXPENDITURE
HEAD : PUBLIC HEALTH AND SANITATION

(Rs in lakhs)

Name of the Scheme/ Project	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985—90		1985-86		
				App. Outlay	Antici- pated Expd.	Approved outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
D. Research										
M.D.4.1	Grant for Applied re- search ..	10.00	2.00	—	2.00	2.00	10.00	—	2.00	—
	Total ..	10.00	2.00	—	2.00	2.00	10.00	—	2.00	—
M.D.5.1	Augmentation of Training facilities for para Medical Staff	25.00	1.42	1.37	5.00	1.60	This scheme has been included in the main Scheme of Medical Colleges			
	Total } ..	25.00	1.42	1.37	5.00	1.60	—	—	—	—
Operational cost of Centrally Sponsored Scheme										
M.D.6.1	Re-orientation of Medi- cal Education ..	60.00	31.06	9.64	7.25	5.80	150.00	90.00	13.00	10.00
M.D. 6.2	Visual Impairment and Prevention of Blindness	2000	1.15	—	Scheme converted into 100% Centrally Sponsored Scheme					
	Total	80.00	32.21	9.64	7.25	5.80	150.00	90.00	13.00	10.00
	Grand Total	1700.00	782.77	267.42	402.90	531.23	2700.00	1247.25	515.00	231.00
PUBLIC HEALTH										
1. Minimum Needs Programme :										
PH.1.1	Opening of PHC (By upgrading SHC Dis- pensaries ..	48.00	44.51	8.35	1.50	28.10	1630.00	1500.00	140.00	100.00
PH 1.2	Opening of sub- centres Multi-pur- pose scheme	274.00	29.77	10.37	10.20	10.20	836.15	450.00	93.05	81.35
PH 1.3	Openeing of SHC in Rural Areas ..	995.00	755.93	451.06	450.00	554.67	—	—	—	—
PH 1.4	Establishment of Com- munity Health Centres ..	—	—	4.38	8.00	9.00	160.00	—	12.00	—
	Total ..	1317.00	830.21	474.16	469.70	601.97	2626.15	1950.00	245.05	181.35
2. Other Rural Health Centres :										
PH 2.1	Establishment of 25/ 30 bedded block level Rural Health Hospital (Removing of short- coming in the existing hospitals) ..	278.30	114.41	63.50	60.00	84.00	230.00	200.00	30.00	15.00
PH 2.2	Establishment of Dental Clinics Strengthening (Removing of short- comings in existing Dental Clinics	50.00	18.48	12.18	15.00	15.00	6.00	—	2.00	—

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PUBLIC HEALTH AND SANITATION

(Rs in lakhs)

Name of the Schemes/ Project	Sixth Five Year Plan Approved (1980-85) Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Exp.	1984-85		Seventh Plan		1985-86		
				Approved Outlay	Antici- pated Exp.	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
PH 2.3	Providing specialist Teams in Rural Areas	22.00	—	—	—	—	—	—	—	—
PH 2.4	Upgrading of existing Health and family Welfare Training Centre at Kharar	—	—	—	—	—	16.00	5.00	1.00	1.00
PH 2.5	Management information system	—	—	—	—	—	15.00	—	2.00	—
	Total	350.30	132.89	75.68	75.00	99.00	267.00	205.00	35.00	16.00
3. Hospitals /Dispensaries										
PH 3.1	Opening of new Dispen- saries urban places	50.00	26.94	14.93	16.00	21.35	50.00	—	2.00	—
PH 3.2	Improvement of Punjab Mental Hospital Amrit- sar	4.00	0.01	—	—	—	10.00	10.00	5.00	5.00
TH 3.3	Provincialisation of Local Bodies Hospitals/Disp- pensaries	40.00	23.79	13.63	15.25	17.10	20.00	—	1.00	—
PH 3.4	Upgradation of existing Hospitals	233.00	145.02	52.59	27.00	119.90	—	—	—	—
	(i) From 10/25 to 50 Beds (2 Hosp.)	—	—	—	—	—	100.00	75.00	6.00	1.00
	(ii) From 50 to 100 beds (1 Hosp.)	—	—	—	—	—	50.00	25.00	10.00	—
	(iii) From 100 to 200 beds (1 Hosp.)	—	—	—	—	—	150.00	100.00	40.00	20.00
	(iv) From 100 to 400 beds (1 Hosp.)	—	—	—	—	—	—	—	—	—
PH 3.5	Estt. of Intensive Care units in District level Hospitals	7.00	8.65	1.90	2.70	3.20	50.00	15.00	9.00	3.00
PH 3.6	National programme for the control of Blind- ness Opening of District Eye Mobile Teams	—	—	—	—	—	66.00	—	—	—
PH 3.7	Removal of short comings in existence in (i) Sub- Division Hospitals	—	—	—	—	—	500.00	400.00	66.00	60.00
	(ii) District Hospitals	—	—	—	—	—	500.00	400.00	44.00	40.00
	Total	334.00	204.41	83.05	60.95	161.55	1496.00	1025.00	183.00	129.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PUBLIC HEALTH AND SANITATION

(Rs in lakhs)

Name of the schemes/Projects	Sixth Five Year Plan (1980—85 Approved Outlay)	1980—83 Actual Expenditure	1983-84 Actual Exp	1984-85		Seventh Plan		1985-86		
				Approved Outlay	Anticipated Exp	Approved Outlay	Of which capital content	Approved Outlay	Of which content	
1	2	3	4	5	6	7	8	9	10	
4 Control/Eradication of communicable disease (50:50 sharing basis) State Share										
PH 4.1	National Malaria Eradication Programme (Antic level) ..	605.30	346.37	69.61	150.00	152.15	1750.00	—	313.00	—
PH 4.2	National Malaria Eradication Programme ..	77.20	45.35	16.62	25.00	22.75	250.00	—	49.75	—
PH 4.3	National T B Control Programme ..	58.00	11.48	2.17	7.00	7.00	100.00	—	39.10	—
PH 4.4	National Leprosy Control Programme ..	4.00	0.17	—	—	—	—	—	—	—
PH 4.5	Visual Impairment of multipurpose workers scheme ..	22.50	—	—	—	—	—	—	—	—
PH 4.6	Training & Employment of Multipurpose workers scheme ..	60.00	20.38	1.62	8.50	6.13	132.00	—	26.40	—
PH 4.7	Provision of Additional Laboratory Technicians at each P H C ..	—	—	—	—	—	60.00	—	5.00	—
PH 4.8	Continuing Education of P H C/Rural Health Health Staff ..	—	—	—	—	—	25.00	—	2.50	—
	TotaW ..	827.00	423.75	90.02	190.50	188.03	2317.00	—	435.75	—
5. Other Programmes										
PH 5.1	Administrative Re-Organisation of the Punjab Health Department ..	9.00	—	—	—	—	—	—	—	—
PH 5.2	Strengthening of State Health and District Laboratories ..	4.00	1.00	0.62	2.00	1.08	5.75	—	1.35	—
PH 5.3	Strengthening of Drug Control/Food Standard Control Organisation ..	14.50	1.92	1.76	3.00	2.85	35.00	—	—	—
PH 5.4	Creation of Food Cell in the Directorate ..	—	—	—	—	—	13.00	—	—	—
PH 5.5	Strengthening of Health Statistics Organisation M & E Evaluation Cell at State level ..	10.50	6.77	3.11	3.00	4.92	15.00	—	0.90	—
PH 5.6	Multipurpose Workers Scheme ..	20.00	19.78	—	—	—	—	—	—	—
PH 5.7	Opening of Psychiatric Clinics at District level ..	—	—	—	—	—	10.00	—	1.50	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

HEAD : PUBLIC HEALTH AND SANITATION

(Rs in lakhs)

Name of the Schemes/Projects	Sixth Five Year Plan Approved (1980—85) Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved outlay	Anticipated Expenditure	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
PH 5.8	Establishment of Central Medical Store, Punjab	2.70	2.00	—	—	—	—	—	—	—
PH 5.9	Establishment of Equipment & Maintenance Repair Unit ..	10.00	3.19	1.38	2.50	1.66	50.00	11.00	0.50	—
PH 5.10	Expansion of Immunisation Programme ..	7.00	—	—	2.00	1.70	16.05	—	3.70	—
PH 5.11	Comprehensive Health Care Services Project	20.00	—	—	—	—	—	—	—	—
PH 5.12	Hospital treatment of diarrhoea disease by oral re-hydration therapy ..	7.00	1.05	1.75	1.00	1.00	15.50	—	2.50	—
PH 5.13	Grant of additional incentive compensation out of State's funds to acceptors of sterilisation ..	—	93.48	66.35	51.00	65.00	300.00	—	65.00	—
PH 5.14	Pay of Dais ..	—	7.50	8.00	8.00	12.00	—	—	—	—
PH 5.15	Blood Transfusion Services ..	—	—	—	—	—	26.00	—	5.20	—
PH 5.16	Providing independent feeders to provide continuous light in Hospitals ..	—	—	0.85	3.00	3.00	20.00	—	4.00	—
	(b) Providing of generator sets at District and at other important Hospitals ..	—	—	—	1.0a	1.00	20.00	—	3.45	—
	(c) Providing Solar/water Heating ..	—	—	—	—	—	15.00	—	3.00	—
PH 5.17	Setting up of Glucose Saline Manufacturing Units, Ludhiana ..	—	2.96	0.24	2.00	0.88	5.00	5.00	2.50	2.50
PH 5.18	Strengthening of Food Laboratories ..	—	—	—	—	—	32.00	15.00	2.00	—
PH 5.19	Strengthening of Excise Laboratories ..	—	—	—	—	—	38.00	—	2.00	—
PH 5.20	Strengthening of School Health Clinics ..	—	—	—	—	—	36.30	—	3.60	—
PH 5.21	Strengthening of State Health Education Bureau ..	—	—	—	—	—	5.25	—	—	—
	Total ..	104.70	139.65	84.06	78.50	95.09	657.85	31.00	101.20	2.50

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PUBLIC HEALTH AND SANITATION

(Rs. in lakhs)

Name of the scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985-90		1984-86	
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
6.1. Employees State Insurance Corporation									
PH 6.1 E.S.I. Scheme ..	62.00	25.29	12.05	18.75	18.75	75.00	—	10.00	—
Total ..	62.00	25.29	12.05	18.75	18.75	75.00	—	10.00	—
Total—Public Health	2995.00	1954.59	817.27	893.40	1164.39	7439.00	3211.00	1010.00	328.85
AYURVEDIC									
AY 1.1 Strengthening of existing Ayurvedic Dispensaries ..	32.89	10.25	1.34	1.50	1.50	12.12	—	3.20	—
AY 1.2 Opening of I.S.M. Dispensaries ..	107.40	58.50	26.82	25.40	31.10	32.14	—	3.24	—
AY 1.3 Improvement and Expansion of Govt. Ayurvedic College, Patiala ..	4.07	2.13	0.76	1.19	0.89	—	—	—	—
AY 1.4 Improvement and Expansion of Govt. Ayurvedic Hospital, Patiala ..	1.20	0.20	—	—	—	—	—	—	—
AY 1.5 Improvement & Expansion of Govt. Ayurvedic Pharmacy, Patiala ..	3.14	1.07	0.51	1.60	1.75	41.00	41.00	5.56	5.56
AY 1.6 Strengthening of Ayurvedic Headquarter staff	3.70	2.38	0.46	1.00	0.38	8.30	—	2.60	—
AY 1.7 Strengthening of District Headquarters Staff	12.60	5.64	2.24	3.00	3.35	2.44	—	0.40	—
AY 1.8 Setting of Ayurvedic Hospital at Bathinda	—	—	0.27	1.13	1.13	—	—	—	—
Total ..	165.00	80.17	32.40	34.82	40.30	96.00	41.00	15.00	5.56
HOMOEOPATHIC									
HM 1.1 Strengthening of Headquarter staff ..	7.55	3.68	1.65	2.38	2.38	10.30	—	0.45	—
HM 1.2 Opening of Homoeopathic Dispensaries in the State ..	32.45	13.77	9.13	16.50	16.50	90.00	—	10.05	—
HM 1.3 Establishment of 10 bedded Homoeopathic Hospital in the State	—	—	—	—	—	14.70	—	4.50	—
Total ..	40.00	17.45	10.78	18.88	18.88	115.00	—	15.00	—
Grand Total ..	4900.00	2834.98	1127.87	1350.00	1754.80	10350.00	4499.25	1555.00	565.41

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : WATER SUPPLY AND SEWERAGE

(Rs. in lakhs)

Name of the scheme/Projects	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985-90		1985-86	
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content)	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
Water Supply and Sewerage									
A—Rural Water Supply and Sanitation—									
RWS-1 Rural Water Supply	6800.00	1143.11	594.12	800.00	999.99	7000.00	7000.00	999.99	999.99
RWS-2 Low cost Sanitation	—	—	—	—	0.01	250.00	250.00	0.01	0.01
Total	6800.00	1143.11	594.12	800.00	1000.00	7250.00	7250.00	1000.00	1000.00
B—Urban Water Supply and Sewerage—									
WS-1 Financial assistance to Municipal Committees (Water Supply and Sewerage Schemes—									
(a) I.D.A. Project	3494.00	3369.00	—	—	—	—	—	—	—
(b) L.I.C. Aided Project	1340.00	820.00	50.00	150.00	100.00	870.00	870.00	180.00	180.00
(c) Other water supply Schemes	800.00	105.00	125.00	125.00	215.30	800.00	800.00	170.00	170.00
(d) Other Sewerage Schemes	799.00	50.00	125.00	125.00	150.00	125.00	800.00	125.00	125.00
(e) HUDCO aided Water Supply and Sewerage Project	—	—	—	—	—	130.00	130.00	—	—
Total	6433.00	4344.00	300.00	400.00	440.30	2600.00	2600.00	475.00	475.00
Other Schemes									
WS 2 Sewage Sullage Utilisation Schemes	100.00	60.00	30.00	7.70	7.70	—	—	—	—
WS-3 Setting up of compost Plants at Amritsar, Jullundur and Ludhiana	42.66	—	—	—	—	70.00	70.00	20.00	20.00
WS-4 Urban Solid Waste Disposal	13.34	—	—	—	—	50.00	50.00	10.00	10.00
WS-5 Water Supply and Sewerage Board	405.00	200.00	100.00	100.00	25.00	40.00	40.00	1.00	1.00
WS-6 Setting up of Sewage Treatment Plants	—	—	10.00	10.00	10.00	2950.00	2950.00	20.00	20.00
WS-7 UNDP Project—Low cost Sanitation	—	—	11.00	33.30	13.30	87.00	87.00	24.97	24.97
WS—8 Water and Air Pollution Control	—	—	—	—	—	3.00	3.00	0.03	0.03
Total	561.00	260.00	151.00	151.00	56.00	3200.00	3200.00	76.00	76.00
Total (B)	6994.00	4604.00	451.00	551.00	496.30	5800.00	5800.00	551.00	551.00
Total (A+B)	13794.00	5747.11	1045.12	1351.00	1496.30	13050.00	13050.00	1551.00	1551.00

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT-II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : HOUSING

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90)		1985-86		
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9		
Housing										
1. Government Residential Buildings—										
HG 1.1	At District/Tehsil Headquarters and at other places	900.00	456.94	146.21	175.65	178.92	1000.00	1000.00	137.66	137.66
HG 1.2	At focal points	200.00	107.57	31.24	30.65	29.05	59.00	59.00	28.03	28.03
HG 1.3	For Government Employees at Chandigarh	300.00	175.00	59.82	91.03	127.03	941.00	941.00	122.31	122.31
Total		1400.00	739.51	237.27	297.33	335.00	2000.00	2000.00	288.00	288.00
2. Other Housing Schemes—										
HG 2.1	Subsidized Industrial Housing	50.00	8.36	2.35	15.00	15.00	75.00	75.00	15.00	15.00
HG 2.2	Houses for Rural Homeless	1200.00	740.00	311.00	156.37	104.17	324.00	324.00	74.00	74.00
HG 2.3	Loans for Low Income Group Houses	300.00	131.25	10.00	80.00	222.00	100.00	100.00	10.00	10.00
HG 2.4	Middle Income Group Housing	60.00	71.35	10.00	10.00		70.00	70.00	10.00	10.00
HG 2.5	Loans to Government Servants— (i) For construction of houses (ii) For repair/purchase of plots/built up houses	900.00	603.04	282.35	286.30	286.30	1500.00	1500.00	301.00	301.00
HG 2.6	Loans for building houses in Urban Estates	150.00	62.36	55.90	20.00	10.00	30.00	30.00	7.00	7.00
HG 2.7	Village Housing Project Schemes	170.00	132.00	9.00	10.00	10.00	100.00	100.00	10.00	10.00
HG 2.8	Loans for construction of houses for Ministers/Speakers/Deputy Speaker	—	—	—	—	—	100.00	100.00	20.00	20.00
HG 2.9	Loans for construction for M.L.As.	—	—	—	—	—	75.00	75.00	30.00	30.00
Total		2830.00	1748.46	680.60	577.67	647.47	2674.00	2674.00	542.00	542.00
3. Other Programme—										
HG 3.1	Contribution of Housing Board	520.00	100.00	80.00	80.00	80.00	500.00	500.00	80.00	80.00
4. Police Housing—										
HG 4.1	Houses for Police	985.00	442.18	77.35	185.00	180.60	2000.00	2000.00	250.00	250.00
Grand Total		5735.00	3030.15	1075.22	1140.00	1243.07	7174.00	7174.00	1160.00	1160.00

**SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN 1985-86
STATEMENT-II SCHEMES
OUTLAY AND EXPENDITURE
HEAD : URBAN DEVELOPMENT**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
UD-1	Urban Estates—									
	(a) Acquisition of land :									
	(i) Acquisition of new land				—	100·00	300·00	300·00	100·00	100·00
	(ii) Setting up of new town at Ranjitgarh				0·01	0·01	—	—	0·01	0·01
	(b) Development of land :									
	(i) Un-Developed				—	—	795·00	795·00	—	—
	(ii) Semi-Developed				98·99	298·99	515·00	515·00	359·98	359·98
	(iii) Land Scaping	1450·00	1079·16	229·00	—	—	100·00	100·00	0·01	0·01
	(iv) Augmentation of water supply at S.A.S. Nagar with canal water from Morinda				20·00	50·00	150·00	150·00	50·00	50·00
	(c) Decretal Liability :									
	(i) Payment of enhanced compensation of already acquired land				150·00	150·00	600·00	600·00	100·00	100·00
	(ii) Payment of super-structure on the acquired land				—	70·00	225·00	225·00	30·00	30·00
	(iii) Payment of enhanced compensation of land after the amendment of Act 1894				—	—	115·00	115·00	15·00	15·00
	Total	1450·00	1079·16	229·00	269·00	669·00	2800·00	2800·00	655·00	665·00
UD-2	Financial assistance to Improvement Trusts—									
	(a) General Activities	50·00	20·00	—	8·10	42·80	46·00	46·00	10·00	10·00
	(b) Free house-sites to Urban homeless Scheduled Castes	—	10·00	—	—	—	—	—	—	—
	(c) Free house-sites to Urban homeless	—	25·00	—	—	—	—	—	—	—
UD-3	Town and Regional Planning—Rural and Urban Sector Area Planning	60·00	11·25	7·28	9·90	9·90	50·00	—	9·00	—
UD-4	Integrated Urban Development Programme Bigger Towns	200·00	70·00	6·00	1·00	19·50	69·00	69·00	12·00	12·00
UD-5	Integrated development Programme of Small and Medium towns	400·00	195·00	65·00	50·00	80·50	600·00	600·00	100·00	100·00
UD-6	Environmental Improvement of slums	500·00	179·00	80·00	60·00	31·00	500·00	500·00	31·00	31·00
UD-7	Training for Management of Urban Development for Local Bodies	—	—	—	—	—	10·00	10·00	1·00	1·00
	Grand Total	2660·00	1589·41	387·28	398·00	852·70	4075·00	4025·00	818·00	809·00

SEVENTH FIVE-YEAR PLAN (1985-90) AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INFORMATION AND PUBLICITY

(Rs. in lakhs)

%	Names of the Schemes/ Projects	Sixth Five- Year Plan (1980-85) Approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan			
					Approved Outlay	Antici- pated Expendi- ture	1985-90		1985-86	
							Approved Outlay	Approved Outlay content	Of which Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10	
INFORMATION AND PUBLICITY										
1. Direction and Administration :										
IP 1.1	Strengthening of the Department of Public Relations ..	12.00	1.55	—	—	—	—	—	—	
IP 1.2	Purchase of books for Library at Head-quarters ..	2.00	1.14	0.23	0.20	0.20	1.00	—	0.20	
IP 1.3	Feed Back Studies ..	0.80	0.19	0.10	0.20	0.20	0.50	—	0.10	
	Total ..	14.80	2.88	0.33	0.40	0.40	1.50	—	0.30	
2. Films :										
IP 2.1	Purchase and Production of Films ..	14.00	13.51	21.83	3.50	3.47	20.00	—	4.00	
	Total ..	4.00	13.51	21.83	3.50	3.47	20.00	—	4.00	
3. Field Publicity :										
IP 3.1	Field Publicity ..	50.20	22.19	15.61	17.00	15.00	75.00	—	13.70	
IP 3.2	Television Scheme ..	10.00	2.25	0.85	1.15	1.15	10.00	—	2.00	
IP 3.3	Purchase and Production of Literature ..	10.00	3.70	3.72	3.25	2.10	15.00	—	3.00	
	Total ..	70.20	28.14	20.18	21.40	18.25	100.00	—	18.70	
4. Songs and Drama Services :										
IP 4.1	Songs and Drama Services ..	20.00	6.21	4.23	4.35	4.85	20.00	—	4.00	
IP 4.2	Light and Sound ..	14.00	11.99	3.59	3.25	2.85	22.00	—	4.40	
	Total ..	34.00	10.20	7.82	7.60	7.70	42.00	—	8.40	
5. Advertising and Visual Publicity :										
IP 5.1	Community Listening	0.50	0.28	0.10	0.10	0.10	0.50	—	0.10	
IP 5.2	Exhibition (including Exhibition Board) ..	14.00	23.74	1.99	3.00	20.44	98.50	—	21.00	
IP 5.3	Display Advertisements	15.00	11.07	6.48	5.00	5.00	20.50	—	4.10	
IP 5.4	Wall Paintings and Hording ..	2.50	0.61	0.90	0.50	0.50	2.50	—	0.50	
	Total ..	32.00	35.70	9.47	8.60	26.04	122.00	—	25.70	

SEVENTH FIVE YEAR PLAN (1985-90) AND ANNUAL PLAN 1985-86

STATEMENT II SCHEMES

OUTLAY AND EXPENDITURE

HEAD : INFORMATION AND PUBLICITY

(Rs. in lakhs)

Names of the Schemes/ Projects	Sixth Five-Year Plan (1980-85) Approved Outlay	1980-83 Actual Expen- diture	1983-84 Actual Expen- diture	1984-85				Seventh Plan		
				Approved Outlay	Antici- pated Expen- diture	1985-90		1985-86		
						Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
6. Information Centres :										
IP 6.1	Teleprinter Lines ..	10.00	2.44	3.25	3.50	3.20	14.50	—	2.90	—
	Total ..	10.00	2.44	3.25	3.50	3.20	14.50	—	2.90	—
7. Film Corporation :										
IP 7.1	Share Capital contribu- tion to Punjab Films and News Corporp- tion ..	5.00	7.00	5.00	5.00	9.72	25.00	25.00	5.00	5.00
	Total ..	5.00	7.00	5.00	5.00	9.72	25.00	25.00	5.00	5.00
	Grand Total ..	180.00	107.87	67.80	50.00	68.78	325.00	25.00	65.00	5.00

SEVENTH FIVE YEAR PLAN (1985-90) AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Names of the Schemes/ Projects	Sixth Five- Year Plan (1980-85) Approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan 1985-90		1985-86		
				Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
1. Labour and Labour Welfare—										
LW 1.1	Setting up of enforce- ment machinery for the Welfare of agricultural labour	3.43	3.32	3.60	3.50	5.50	5.00	—	1.00	—
Total		3.43	3.32	3.60	3.50	5.50	5.00	—	1.00	—
2. Working conditions and safety—										
LW 2.1	Strengthening of en- forcement machinery for Minimum Wages Act, 1948	—	—	—	—	—	5.00	—	1.00	—
LW 2.2	Strengthening of Fac- tory Inspectorate	8.27	2.80	2.94	3.00	3.55	8.00	—	1.60	—
Total		8.27	2.80	2.94	3.00	3.55	13.00	—	2.60	—
3. General Labour Welfare—										
LW 3.1	Setting up of industrial hygienic laboratory	2.80	1.12	0.50	0.50	0.50	1.00	—	0.10	—
Total		2.80	1.12	0.50	0.50	0.50	1.00	—	0.10	—
NEW SCHEMES										
LW 4.1	Scheme for increasing the strength of Medi- cal Inspectors of Factories in the State	—	—	—	—	—	4.50	—	0.80	—
Total		—	—	—	—	—	4.50	—	0.80	—
Total Labour Welfare		14.50	7.24	7.04	7.00	9.55	23.50	—	4.50	—
EMPLOYMENT SERVICES										
1. Expansion of Em- ployment Services										
Total		6.00	5.38	3.10	4.00	4.01	5.00	—	1.00	—

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Names of the Schemes/ Projects	Sixth- Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expen- diture	1983-84 Actual Expen- diture	1984-85		Seventh Plan				
				Approved Outlay	Antici- pated Expendi- ture	1985-90		1985-86		
						Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
III. INDUSTRIAL TRAINING										
A— Craftsmen Training—										
IT(C) 1.1	Substitution of un- popular trade with popular ones and introduction of new trades in ITIs and addition to and re- placement of tools and equipment ..	40.00	20.54	5.61	11.20	10.68	70.00	—	11.75	—
IT(C) 1.2	Training, Retraining, Seminars, Study Tours of staff trainees ..	5.00	2.96	0.90	1.00	1.00	5.00	—	1.00	—
IT(C) 1.3	Completion of ITIs buildings and cons- truction of buildings for remaining ITIs	30.00	15.42	6.80	8.00	10.00	50.00	50.00	20.00	20.00
IT(C) 1.4	Training-cum-Place- ment Cell ..	4.00	1.12	0.16	0.80	0.25	Transferred to Non-Pan side			
IT(C) 1.5	Mobile Trg. Centres in Rural Areas ..	0.50	—	—	—	—	Not implemented			
IT(C) 1.6	Conversion of RATCs/ JTS/GIS into ITI ..	40.00	13.10	7.94	8.70	8.33	Dropped			
IT(C) 1.7	Modernisation of Industrial Training Institutes under UNDP/ ILO ..	43.50	12.24	2.87	9.00	4.66	10.00	1.00	2.00	1.00
IT(C) 1.8	Establishment of Advanced Training Instt. in Farm Machi- nery and Power in the State ..	—	—	—	3.00	3.00	20.00	20.00	0.50	0.50
IT(C) 1.9	Expansion of In- dustrial Training In- stitute located in rural areas ..	—	—	—	—	—	20.00	—	1.00	—
IT(C) 1.10	Opening of New ITIs in Rural/unrepre- sented minorities con- centrated areas ..	—	—	—	—	—	25.00	15.00	5.00	5.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five Year Plan (1980-85) Approved Outlay	1980-83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan				
				Approved Outlay	Antici- pated Expd.	1985-90		1985-86		
						Approved Outlay	Of which capital content	Approved Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
IT(C) 1.11 Providing independent Feeders Diesel operating sets in Indl. Trg. Instts.	—	—	—	—	—	25.00	—	5.00	—	
IT(C) 1.12 Strengthening of Examination Cell and creation of Record Room at the headquarters office	—	—	—	—	—	4.00	—	0.25	—	
Total	163.00	65.32	24.28	41.70	37.92	229.00	86.00	46.50	26.50	
B. Apprenticeship Trg.										
IT(C) 1.13 Apprenticeship Training Wing	3.00	1.03	0.21	0.70	0.70	Transferred to Non-Plan side				
IT(C) 1.14 Related Instructural Centre at S.A.S. Nagar	5.00	1.11	0.63	0.60	0.70	Transferred to Non-Plan side				
Total (B)	8.00	2.14	0.84	1.30	1.40	—	—	—	—	
C. Women Training										
IT(S) 2.1 Completion of existing buildings and construction of new buildings for Govt. Indl. Schools for Girls/ Govt. Indl. Teachers Trg. Instts. for Women	20.00	22.19	7.10	9.00	10.40	65.00	65.00	13.00	13.00	
IT(S) 2.2 Study Tours Training and Retraining, Educational Study Tours, Seminars and Conferences, Sports and T.A. to Trainees, Medical & Periodicals	3.50	1.31	0.37	0.50	0.50	3.50	—	0.50	—	

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT II —SCHEMES

OUTLAY AND EXPENDITURE

HEAD : LABOUR AND LABOUR WELFARE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985—90		1985-86	
				Approved Outlay	Antici- pated Expd.	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
IT(S) 2.3 Modernisation and replacement of machinery and equipment in Girls Schools ..	9.00	4.36	3.23	2.00	2.50	12.00	—	3.00	—
IT(S) 2.4 To provide deficient staff according to norms in the existing Govt. Indl. Schools for Girls ..	—	—	—	—	—	5.00	—	—	—
IT(S) 2.5 Opening of New Industrial Schools for Girls and introduction of additional seats in the existing Schools ..	10.00	10.62	4.70	2.00	4.00	5.00	—	1.00	—
IT(S) 2.6 Opening of Training-cum-Production Centres ..	5.00	3.60	0.85	0.50	1.00	—	—	—	—
IT(S) 2.7 Opening of Teachers Trg. Classes ..	5.00	4.70	2.14	1.00	2.00	—	—	—	—
IT(S) 2.8 Strengthening of Inspectorate Cell for Women Training ..	—	—	—	—	—	2.00	—	0.50	—
Total C ..	52.50	46.78	17.39	15.00	20.40	92.50	65.00	18.00	13.00
D—Professional Training									
IT(S) 3.1 Strengthening and Development of faculty of Arts and Crafts Teachers Training Institutes ..	1.00	—	—	—	—	—	—	—	—
Total of 'D' ..	1.00	—	—	—	—	—	—	—	—
Total Industrial Training (A, B, C & D) ..	224.50	114.24	42.51	58.00	59.72	321.50	151.00	64.50	39.50
Grand Total ..	245.00	127.00	52.64	69.00	73.28	350.00	151.00	70.00	39.50

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD: WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES

(Rs. in lakhs)

Name of the Schemes/Project	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985—90		19 85-86		
				Approved outlay	Anticipated Expd.	Approved outlay	Of which capital content	Approved outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	10	
Education Programme:										
SC 1.1	Free books & stationery to S.C. students ..	238.28	107.00	60.00	60.00	60.00	570.00	—	80.00	—
SC 1.2	Grants for the purchase of—									
	(a) Medical & Engg. books (State share) ..	10.00	3.19	2.00	2.00	1.35	10.00	—	2.00	—
	(b) Law books ..	2.90	1.30	—	0.60	0.40	3.00	—	0.60	—
SC 1.3	(a) Technical training in industrial trades ..	94.53	23.90	7.90	15.00	8.00	40.00	—	6.00	—
	(b) Construction of an advanced I.T.I. ..	—	—	—	—	—	20.00	20.00	1.00 (Token)	1.00 (Token)
SC 1.4	Grants to Scheduled Castes girl students studying in Post-Matric & Post-Graduate classes ..	72.00	22.45	12.75	13.00	13.00	143.00	—	20.00	—
SC 1.5	Coaching and allied schemes—									
	(a) Coaching for IAS/and allied services/PCS & allied services/LIC and Banking Services (State share) ..	9.10	4.50	1.50	3.40	3.90	25.00	—	3.60	—
	(b) Coaching for Stenography (State share) ..	12.20	2.45	2.00	3.00	4.00	12.00	—	2.50	—
	(c) Construction of a residential institute ..	—	—	—	—	—	35.00	35.00	0.10 (Token)	0.10 (Token)
SC 1.6	Girl Hostels (State share) ..	4.55	1.50	1.00	1.00	1.00	3.00	—	0.60	—
SC 1.7	Imparting of industrial training to S.C. women ..	72.15	5.43	3.00	5.00	5.00	—	—	—	—
SC 1.8	Grants to students studying in Medical and Engg. Colleges ..	—	—	14.40	14.00	14.00	80.00	—	14.30	—
SC 1.9	Awards to brilliant S.C. students ..	—	—	—	1.00	7.00	100.00	—	14.00	—
SC 1.10	Grants to primary students of parents engaged in unclean occupations ..	—	—	—	—	—	250.00	—	50.00	—
SC 1.11	B.Ed. & J.B.T. training to Scheduled Castes Graduates and Matriculates ..	61.05	1.18	—	—	—	—	—	—	—

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)**

STATEMENT—II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual expenditure	1983-84 Actual expenditure	1984-85		Seventh Plan 1985—90		1985-86	
				Approved Outlay	Anticipated expenditure	Approved Outlay	Of which capital content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
SC 1.12 Coaching to Scheduled Caste Students ..	103.75	13.81	—	0.50	—	10.00	—	1.50	—
SC 1.13 Opportunity cost for primary girls students	—	—	—	—	—	374.00	—	48.30	—
SC 1.14 Package of educational assistance to the children of sweepers, scavengers, flayers, tanners, etc. ..	—	—	—	35.00	—	—	—	—	—
Total ..	680.51	186.71	104.55	153.50	117.65	1675.00	55.00	244.50	1.10
2. Economic Uplift									
SC 2.1 Subsidy for the purchase of—									
(a) Agricultural Land/wells/stamp duty ..	75.70	16.19	9.70	12.40	6.14	—	—	—	—
(b) Land for fodder and small industrial units	—	—	—	—	—	100.00	—	10.00	—
SC 2.2 Share capital contribution to Punjab Backward Classes Land Development and Finance Corporation ..	80.00	141.00	20.00	20.00	20.00	100.00	100.00	20.00	20.00
SC 2.3 Share capital contribution to the Pb. Scheduled Castes Land Development & Finance Corporation (State share) ..	204.00	306.00	153.00	51.00	51.00	255.00	255.00	25.50	25.50
SC 2.4 Interest subsidy—									
(a) Scheduled Castes	574.65	135.00	50.00	50.00	5.00	300.00	—	40.00	—
(b) Backward Classes	190.60	45.00	40.00	20.00	44.00	145.00	—	40.00	—
SC 2.5 Issue of Yellow Cards	—	18.03	—	—	4.80	5.00	—	1.00	—
Total ..	1124.95	661.22	272.70	153.40	130.94	905.00	355.00	136.50	45.50
3. Health, Housing and other Programmes									
SC.3.1 Construction of dharamshalas/chupals ..	258.30	99.68	10.00	10.00	10.00	150.00	—	20.00	—
SC 3.2 Environmental improvement of Harijan basties including drinking water units ..	658.39	276.05	104.01	149.00	149.00	650.00	—	82.00	—
SC 3.3 Grants to sweepers/scavengers, flayers & tanners for construction of houses ..	170.90	85.12	40.00	40.00	40.00	60.00	—	10.00	—

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)**

STATEMENT II—SCHEMES

OUTLAY AND EXPENDITURE

HEAD : WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five-Year Plan (1980-85) Approved Outlay	1980—83 Actual Expd.	1983-84 Actual Expd.	1984-85		Seventh Plan 1985—90		1985-86	
				Approved Outlay	Anticipated Expd.	Approved Outlay	Of which capital content	Approved outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
SC 3.4 Removal of untouchability (State share) ..	—	—	—	—	—	10.00	—	2.00	—
SC 3.5 Legal Aid ..	1.50	0.13	0.07	0.10	0.14	—	—	—	—
SC 3.6 Assistance to Scheduled Castes for manurial pits	150.00	41.53	23.61	10.00	5.00	—	—	—	—
SC 3.7 Supply of Nutritive food to the children belonging to S.C. & B.C. ..	70.00	—	—	—	—	—	—	—	—
Total ..	1309.09	502.51	177.69	209.10	204.14	870.00	—	114.00	—
4. Welfare of Vimukat Jaties									
SC 4.1 Grants to Vimukat Jaties for the construction of houses ..	85.45	41.76	24.00	24.00	14.00	50.00	—	5.00	—
Total ..	84.45	41.76	24.00	24.00	14.00	50.00	—	5.00	—
Grand Total ..	3200.00	1392.20	578.94	540.00	466.73	3500.00	410.00	500.00	46.60

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN (1985-86)

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : SOCIAL WELFARE

(Rs in lakhs)

Names of the Schemes/Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
Direction and Administration :										
SW 1.1	Research, training and Administration ..	3.70	1.32	0.69	0.96	0.86	5.50	—	1.00	—
	Total ..	3.70	1.32	0.69	0.96	0.86	5.50	—	1.00	—
Women and Children Welfare :										
SW 2.1	Financial assistance to dependent children	123.00	50.76	24.61	25.00	25.00	60.00	—	11.40	—
SW 2.2	Construction of certified schools ..	31.20	10.42	4.95	5.00	5.00	50.00	50.00	15.00	15.00
SW 2.3	Services for children in need of care and protection (State Share)	8.00	0.73	0.26	1.00	1.00	3.00	—	0.60	—
SW 2.4	Financial assistance to widows and destitute women ..	195.00	88.75	89.50	50.39	81.30	145.00	—	20.00	—
SW 2.5	Home for widows and destitute women ..	4.00	0.54	0.25	0.70	0.45	3.00	—	0.60	—
SW 2.6	Share capital contribution to the PUNWAC	80.00	35.00	24.00	24.00	24.00	125.00	125.00	25.00	25.00
SW 2.7	Interest subsidy to the PUNWAC for interest-free loans to economically weaker women	—	10.00	1.00	1.00	1.00	25.00	—	4.00	—
SW 2.8	I.Y.C. ..	28.00	—	—	—	—	—	—	—	—
	Total ..	469.20	196.20	144.57	107.09	137.75	411.00	175.00	76.60	40.00
Welfare of Handicapped :										
SW 3.1	Scholarships to handicapped ..	1.10	0.20	0.03	0.20	0.05	0.50	—	0.10	—
SW 3.2	Supply of prosthetic aid to the handicapped	3.00	0.87	0.16	0.50	0.05	1.00	—	0.15	—
SW 3.3	Financial assistance to disabled persons ..	10.00	7.24	9.90	10.00	10.00	70.00	—	9.00	—
SW 3.4	Aid for the rehabilitation of disabled persons	5.00	—	2.45	7.50	0.33	35.00	—	8.15	—
	Total ..	19.10	8.31	12.54	18.20	10.43	106.50	—	17.40	—

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN (1985-86)

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : SOCIAL WELFARE

(Rs in lakhs)

Names of the Schemes/Projects	Sixth Five-Year Plan (1980—85) Approved Outlay	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan 1985—90		1985-86		
				Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
Other Programmes :										
SW 4·1	Grant-in-aid to the voluntary welfare organisations ..	6·00	2·26	3·81	2·00	2·00	10·00	—	2·00	—
SW 4·2	Grant-in-aid to the PGI for the blind ..	9·00	5·25	1·75	1·75	1·75	10·00	—	2·00	—
SW 4·3	Drug addiction ..	—	—	—	—	—	5·00	—	1·00	—
	Total ..	15·00	7·51	5·56	3·75	3·75	25·00	—	5·00	—
Defence Services Welfare:										
SW 5·1	Share capital contribution to the Punjab Ex-servicemen Corporation ..	—	58·00	20·00	20·00	20·00	102·00	102·00	20·00	20·00
SW 5·2	Interest subsidy to the Ex-servicemen ..	—	20·90	15·00	15·00	1·00	50·00	—	—	—
	Total ..	—	78·90	35·00	35·00	21·00	152·00	102·00	20·00	20·00
	Grand Total ..	507·00	292·24	198·36	165·00	173·79	700·00	277·00	120·00	60·00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN (1985-86)

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : NUTRITION

(Rs in lakhs)

Names of the Schemes/Projects	Sixth Five-Year Plan (1980-85)	1980-83	1983-84	1984-85		Seventh Plan 1985-90		1985-86		
	Approved Outlay	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
Nutrition	..	80.00	34.94	44.70	76.00	68.00	1650.00	—	252.00	—
Total	..	80.00	34.94	44.70	76.00	68.00	1650.00	—	252.00	—

**SEVENTH FIVE-YEAR PLAN (1985-90)
AND ANNUAL PLAN (1985-86)**

**STATEMENT II : SCHEMES
OUTLAY AND EXPENDITURE
HEAD : ECONOMIC SERVICES**

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth-Five Year Plan (1980-85)	1980-83	1983-84	1984-85		Seventh Plan (1985-90)		1985-86		
	Approved Outlay	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
STATISTICS										
ST 1.1	Estimation of Capital Formation ..	15.40	7.35	2.96	3.85	3.92	—	—	—	Dropped
ST 1.2	Strengthening of District Statistical Officers and Headquarter in the State ..	35.00	4.25	4.26	7.00	6.01	—	—	—	—
ST 1.3	Purchase of Computer Timing/Installation of Computer System	1.00	—	—	2.22	16.22	14.00	—	14.00	—
ST 1.4	Survey and Studies ..	10.20	—	—	1.56	—	7.00	—	1.00	—
ST 1.5	Strengthening of Evaluation Section ..	9.90	3.71	2.06	2.80	2.57	—	—	—	—
ST 1.6	Training of Statistical Personnel ..	8.50	3.62	1.70	2.57	2.15	—	—	—	—
ST 1.7	Economic Analysis Unit	5.00	—	—	—	—	—	—	—	Dropped
ST 1.8	Working Class Family Income Expenditure Survey in Punjab ..	—	—	—	—	—	7.00	—	1.00	—
ST 1.9	Strengthening of District Statistical Officers with Class I Officers and Provision of Jeeps	—	—	—	—	—	18.00	—	4.00	—
ST 1.10	Creation of Prices Statistical Cell ..	—	—	—	—	—	9.00	—	1.00	—
ST 1.11	Strengthening of Evaluation Machinery ..	—	—	—	—	—	7.00	—	1.00	—
ST 1.12	Strengthening of Ministerial Staff at H.Q...	—	—	—	—	—	10.00	—	1.00	—
ST 1.13	Staff for Group Insurance Scheme at District level ..	—	—	—	—	—	6.00	—	1.00	—
	Total ..	85.00	18.93	10.98	20.00	30.87	78.00	—	24.00	—
	CRRID ...	—	—	—	—	—	13.00	—	5.00	—
	Grand Total ..	85.00	18.93	10.98	20.00	30.87	91.00	—	29.00	—
Planning Machinery										
PM 1.1	Strengthening of Planning Machinery in the State ..	50.00	10.29	5.00	10.00	10.00	50.00	—	4.00	—
PM 1.2	Planning Machinery at District Headquarters	—	—	—	—	—	15.00	—	1.00	—
PM 1.3	Economic Co-ordination and 20-Point Programme ..	—	—	—	2.00	2.00	10.00	—	2.00	—

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN (1985-86)

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PRINTING AND STATIONERY

(Rs. in lakhs)

Name of the Schemes/Projects	Sixth Five-Year Plan (1980—85)		1983-84	1984-85		Seventh Plan 1985—90		1985-86		
	Approved Outlay	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
P.T. 1.1	Machinery and equipment for Ticket Printing Press, Patiala ..	1.00	—	—	—	—	50.00	—	—	—
P.T. 1.2	Machinery and equipment for Govt. Press, S.A.S. Nagar ..	21.00	2.29	51.31	10.00	10.00	46.45	—	—	—
P.T. 1.3	(a) Construction of quarters for Care-Taker and Chowkidars at S.A.S. Nagar ..	1.40	—	0.30	—	—	—	—	—	—
	(b) Addl. Machinery and equipment for S.A.S. Nagar and Patiala Press ..	5.00	0.67	1.84	—	—	—	—	—	—
P.T. 1.4	Construction of Boundary Wall around the Press Building in the low lying area at S.A.S. Nagar Press (N.S.) ..	—	—	—	—	—	7.40	7.40	4.00	4.00
P.T. 1.5	(a) Staff and material required for Govt. Press S.A.S. Nagar ..	8.00	1.55	3.50	24.60	24.58	190.95	—	45.00	—
	(b) Construction of Govt. Press, S.A.S. Nagar ..	4.00	4.87	3.53	—	0.40	—	—	—	—
P.T. 1.6	Strengthening of Stationery, Publication and Forms Section Creation of Inspection Cell (N.S.) ..	—	—	—	—	—	4.00	—	0.76	—
P.T. 1.7	Apprenticeship scheme for Typewriter Mechanic ..	0.60	0.16	0.05	0.13	0.13	0.60	—	0.12	—
P.T. 1.8	Instructors for Imparting Training of Typewriter Apprentices at Chandigarh (N.S.) ..	—	—	—	—	—	0.60	—	0.12	—
P.T. 1.9	Opening of Typewriter Workshop at Faridkot Ropar and Kapurthala ..	11.00	5.64	2.80	3.54	3.67	—	—	—	Transferred to Non-Plan side
P.T. 1.10	Strengthening of Central Typewriter Workshop, Chandigarh ..	3.00	2.09	1.35	1.58	1.62	—	—	—	Dropped
P.T. 1.11	Extension in Press building at Patiala ..	4.00	2.55	0.20	0.05	0.05	—	—	—	Dropped
P.T. 1.12	Construction of quarter for Officers and staff at Patiala ..	1.00	0.90	0.31	0.10	0.10	—	—	—	—
	Total ..	60.00	20.72	65.19	40.00	40.55	300.00	7.40	50.00	4.00

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN (1985-86)**

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : PUBLIC WORKS

(Rs. in lakhs)

Name of the Scheme/Projects	Sixth Five- Year Plan (1980—85) Approved Outlay	1980—83		1983-84	1984-85		Seventh Plan (1985—90)		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Approved outlay	Of which Capital content	Approved outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
Public Works										
PW-3-1	Divisional Offices and Tehsil Buildings	510-00	235-13	110-94	115-17	146-17	600-00	600-00	186-00	186-00
PW-3-2	Courts	57-00	26-99	12-26	12-00	10-99	70-00	70-00	15-00	15-00
PW-3-3	Patwar Khanas	70-00	4-88	8-69	6-83	6-83	34-00	34-00	10-00	10-00
PW-3-4	Police Stations	150-00	108-93	31-80	37-00	50-00	300-00	300-00	55-00	55-00
PW-3-5	Jails	360-00	156-59	48-09	50-00	50-00	500-00	500-00	54-00	54-00
PW-3-6	Circuit Houses/Rest Houses—									
	(i) State Guest House/ other Rest Houses	100-00	44-33	59-56	20-00	20-00	50-00	50-00	10-00	10-00
	(ii) Extension in Pb. Bhawan at New Delhi	—	—	20-00	20-00	0-95	200-00	200-00	15-00	15-00
PW-3-7	Mini-Secretariat build- ing at Chandigarh	—	30-09	21-12	40-00	40-00	246-00	246-00	40-00	40-00
	Total	1247-00	606-94	292-46	301-00	324-94	2000-00	2000-00	385-00	385-00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT II : SCHEMES

OUTLAY AND EXPENDITURE

HEAD : FOOD

(Rs in lakhs)

Names of the Schemes/Projects	Sixth Five-Year Plan (1980-85) Approved Outlay	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan (1985-90)		1985-86		
				Approved Outlay	Antici- pated Expendi- ture	Approved Outlay	Of which Capital Content	Approved Outlay	Of which Capital Content	
1	2	3	4	5	6	7	8	9	10	
Food										
FD-1	Acquisition of Land for Open Plinths	11.00	—	—	1.00 (Token Provision)	1.00	10.00	10.00	1.00	1.00
FD-2	Construction of Stor- age Godown at Dhuri	6.00	11.19	—		—	—	—	—	—
Total		17.00	11.19	—	1.00	1.00	10.00	10.00	1.00	1.00

SEVENTH FIVE-YEAR PLAN (1985-90)**AND ANNUAL PLAN (1985-86)****STATEMENT II : SCHEMES****OUTLAY AND EXPENDITURE****HEAD : ADMINISTRATIVE TRAINING INSTITUTE**

(Rs in lakhs)

Name of the Schemes/Projects	Sixth Five- Year Plan (1980-85) Approved Outlay	1980-83	1983-84	1984-85		Seventh Plan		1985-86	
		Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated expendi- ture	Approved Outlay	Of which capital content	Approved Outlay	Of which Capital content
1	2	3	4	5	6	7	8	9	10
Administrative Training Institute									
Establishment of Administrative Training Institute	50.00	31.98	14.49	17.00	17.00	125.00	—	30.00	—

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT III
Physical Targets and Achievements**

Serial No	Item	Code No.	Unit	Sixth Five-Year Plan (1980—85) Target	1980—83 Achievement (P)	1983-84 Achievement (P)	1984-85		Seventh Plan (1985—90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
1. AGRICULTURE AND ALLIED SERVICES										
1 Production of Foodgrains										
(i) Rice—										
	Irrigated	.. 0010	000 Tonnes							
	Unirrigated	.. 0020	" "	} 3900	4156	4539	4600	5057	5500	4850
	Total	.. 0030	" "							
(ii) Wheat—										
	Irrigated	.. 0040	" "	} 8600	9169	9416	9300	10183	10500	9700
	Unirrigated	.. 0050	" "							
	Total	.. 0060	" "							
(iii) Jowar —										
	Irrigated	.. 0070	" "	} 2	4	2	—	1	—	—
	Unirrigated	.. 0080	" "							
	Total	.. 0090	" "							
(iv) Bajra—										
	Irrigated	.. 0100	" "	} 80	50	55	60	61	60	60
	Unirrigated	.. 0100	" "							
	Total	.. 0120	" "							
(v) Maize—										
	Irrigated	.. 0130	" "	} 800	548	536	580	575	740	640
	Unirrigated	.. 0140	" "							
	Total	.. 0150	" "							
(vi) Other Cereals —										
	Irrigated	.. 0160	" "	} 43	128	94	110	88	100	75
	Unirrigated	.. 0170	" "							
	Total	.. 0180	" "							
(vii) Pulses—										
	Irrigated	.. 0190	" "	} 375	120	136	190	162	200	175
	Unirrigated	.. 0200	" "							
	Total	.. 0210	" "							
Total—Foodgrains—										
	Irrigated	.. 0220	" "	} 13800	14175	14778	*14840	16127	17100	15500
	Unirrigated	.. 0230	" "							
	Total	.. 0240	" "							

*Targets revised by Govt of India

**SEVENTH FIVE-YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan (1980—85) Targets	1980—83 Achievement (P)	1983-84 Achievement (P)	1984-85		Seventh Plan (1985—90) Targets	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
2	Commercial Crops—									
	(i) Oilseeds—									
	(a) Minor Oilseeds	..	000 Tonnes							
	Groundnut	.. 0250	..	105	61	42	60	45	70	50
	Castor seed	.. 0260	..	—	—	—	—	—	—	—
	Seasum	.. 0270	..	4	5	5	4	5	5	4
	Rapeseed and Mustard	0280	..	90	72	71	85	140	124	93
	Linseed	.. 0290	..	1	1	—	1	1	1	1
	Total—(a)	.. 0300	..	200	139	118	150	191	200	148
	(b) Others—									
	Soyabean	.. 0310	..	—	—	—	—	—	—	—
	Sunflower	.. 0320	..	—	—	—	—	—	—	—
	Safflower	.. 0330	..	—	—	—	—	—	—	—
	Niger Seed	.. 0340	..	—	—	—	—	—	—	—
	Total (b)	.. 0350	..	—	—	—	—	—	—	—
	Total all oil seeds (a+b)	0360	..	200	139	118	150	191	200	148
	(ii) Sugarcane (cane)	.. 0370	..	8000	6280	5530	6000	4980	7500	6500
	(iii) Cotton	.. 0380	000 Bales	1450	1218	707	1300	1238	1400	1250
	(iv) Jute and Mesta	.. 0390	..	—	—	—	—	—	—	—
3	Major Horticulture Crops—									
	(i) Apple	.. 0400	000 Tonnes	—	—	—	—	—	—	—
	(ii) Banana	.. 0410	..	—	—	—	—	—	—	—
	(iii) Orange	.. 0420	..	5	5	1	1	1	10	2
	(iv) Mango	.. 0430	..	7	5	1	1	1	8	1
	(v) Grapes	.. 0440	..	2	1	1	1	1	5	1
	(vi) Others (specify)	.. 0450	..	8	6	1	1	1	12	2
	Total Hort. Crops	.. 0460	..	22	17	4	4	4	35	6
	Improved Seeds	..								
	(i) Production of seeds—									
	(a) Cereals	.. 0470	..	—	21.772	18.230	35.160	To be organised	60.335	37.325
	(b) Pulses	.. 0480	..	—	0.174	0.060	0.890	Do	—	—
	(c) Oil Seeds	.. 0490	..	—	0.008	0.004	0.158	Do	—	—
	(d) Cotton	.. 0500	..	—	0.434	0.446	0.965	Do	7.800	1.560
	(e) Jute and Mesta	.. 0510	..	—	—	—	—	—	—	—
	Total (i)	.. 0520	..	—	22.388	18.740	37.173	—	68.135	38.885

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan (1980-85) Target	1980-83 Achievement (P)	1983-84 Achievement (P)	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
	(ii) Distribution of Seeds—									
	(a) Cereals	.. 0530	000 Tonnes	—	16.518	5.662	12.195	8.461(P)	14.370	11.616
	(b) Pulses	.. 0540	..	—	0.368	0.058	0.980	0.054	1.545	1.000
	(c) Oil Seeds	.. 0550	..	—	0.057	—	0.385	0.075	0.550	0.500
	(d) Cotton	.. 0560	..	—	0.442	0.126	1.000	0.504	1.400	1.000
	(e) Jute and Mesta	.. 0570	..	—	—	—	—	—	—	—
	Total (ii)	.. 0.580	..	—	17.385	5.846	14.560	9.094	17.865	14.116
5	Chemical Fertilizer—									
	(i) Nitrogenous (N)	.. 0.590	..	750	626	707	790	759	1000	850
	(ii) Phosphatic (P)	.. 0600	..	300	230	252	275	265	430	300
	(iii) Potassic (K)	.. 0610	..	50	36	32	35	24	35	35
	Total (NPK)	.. 0620	..	1100	892	991	1100	1048	1465	1185
6	Plant Protections :									
	(i) Pesticides consumption (Technical Grade Material)	.. 0630	..	5.50	4.20	4.35	5.10	4.80	8.00	6.00
	(ii) Area Coverage	.. 0640	000 Hectares	6500	7830	8392	8000	8000	10200	9000
7	Area under distribution of—									
	(i) Fertilizers	.. 0650	..							
	(ii) Pesticides	.. 0660	..	The whole area is covered under Fertilizers and Pesticides.						
8	High Yielding Varieties—									
	(i) Rice—Total Area Cropped	.. 0670	..	—	1319	1482	1475	1645	1600	1550
	Area under HYV	.. 0680	..	—	1263	1414	1420	1600	1540	1540
	(ii) Wheat—Total Area Cropped	.. 0690	..	—	3054	3123	3075	3100	3100	3150
	Area under HYV	.. 0700	..	—	3033	3107	3050	3075	3075	3100
	(iii) Jowar—Total area cropped	.. 0710	..	—	—	—	—	—	—	—
	Area under HYV	.. 0720	..	—	—	—	—	—	—	—
	(iv) Bajra—Total Area Cropped	.. 0730	..	—	42	44	44	59	45	45
	Area under HYV	.. 0740	..	—	31	30	30	35	30	30

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT—III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan (1980-85) Target	1980-83 Achievement (P)	1983-84 Achievement (P)	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
10	Land Stock Improvement—									
	(i) Reclamation of Alkaline Areas	0910	000 hec.	175	99	33	21	24	267	35
	(ii) Reclamation of saline Areas	0920								
	(iii) Development of Culturable Waste lands and old fallow land for productive uses	0930	"	—	—	—	—	—	—	—
	(iv) Development of Flood-Prone/Coastal Saline Area	0940	"	—	—	—	—	—	—	—
11	Soil Conservation		Cummulative (Hectares)							
	Area coverage									
	(i) Agricultural land	0950	"	1,05,000	45215	13312	14000	12600	93500	15350
	(ii) Forest Land	0960	"	—	—	—	—	—	—	—
	(iii) Other specify	0970	"	—	—	—	—	—	—	—
12	Cropped Area (Cumulative)—									
	(i) Net	0980	"	4500	4204	4200	4300	4200	4200	4250
	(ii) Gross	0990	000 Hect.	7000	6915	7000	7000	7000	7250	7050
13	Agricultural marketing—									
	(i) Total No. of markets at mandi level	1000	No. (cum.)	—	118	128	—	130	—	—
	(ii) Regulated market	1010	"	—	118	128	—	130	—	—
	(iii) Sub-market yards	1020	"	—	494	501	—	510	—	—
	(iv) Sub-market yards developed	1030	"	—	494	501	—	510	—	—
14	Storage—									
	Owned capacity with		"							
	(i) State Warehousing Corporation (Prov)	1040	'000 Tonnes (Cum.)	835	510	610	710	710	1210	810
	(ii) Cooperatives	1050	"	2126	1549	1725	2012	1847	2426	2026
	(iii) State Government	1060	"	1046	141	142	—	146	—	—

**SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN 1985-86
STATEMENT—III
PHYSICAL TARGETS AND ACHIEVEMENTS**

Serial No.	Item	Code No.	Unit	Sixth Five-year Plan (1980-85) Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
15	Animal Husbandry and Dairy Products—									
	(i) Milk ..	1070	000 tonnes	4250	3599	3620	4250	3700	4250	3800
	(ii) Eggs ..	1080	Millions	782	629	708	782	825	1460	950
	(iii) Wool ..	1090	Lakh Kgs.	14.00	13.00	13.10	14.00	13.25	14.00	13.35
16	Animal Husbandry Programmes—									
	(i) I.C.D. Projects ..	1100	Nos. Cum	5	5	5	5	5	5	5
	(ii) No. of Frozen Semen (Bull) Stations ..	1110	Nos. cum	4	3	3	4	4	4	4
	(iii) No. of inseminations performed with exotic bull semen per annum	1120	In lakhs	6.00	5.13	5.61	6.00	6.00	8.00	6.25
	(iv) No. of cross bred animals (females) ..	1130	In lakhs	3.50	2.07	2.25	3.50	3.50	6.60	4.00
	(v) Estt. of sheep Breeding Farms ..	1140	Nos. (cum)	3	2	2	2	2	3	3
	(vi) Sheep and Wool Extension Centres ..	1150	„ „	38	38	38	38	38	38	38
	(vii) Intensive sheep development projects ..	1160	„ „	—	—	—	—	—	—	—
	(viii) Intensive Egg and Poultry production-cum-marketing centres	1170	„ „	3	3	3	3	3	3	3
	(ix) Establishment of Fodder seed production farms ..	1180	„ „	2	3	3	3	3	3	3
	(x) Vety. Hospitals ..	1190	„ „	811	769	769	769	769	869	776
	(xi) Vety. Dispensaries	1200	„ „	460	467	467	467	467	447	465
17.	Dairy Programmes									
	(i) Fluid Milk Plants (including composite and feeder/balancing milk plant in operation) ..	1210	Nos. (cum)	5	3	9	10	10	11	10
	(ii) Milk product factories including creameries in operation ..	1220	Nos. (Cum)	2	2	5	5	5	7	6
	(iii) Dairy Cooperative unions ..	1230	Nos. (Cum)	11	10	11	11	11	11	11
	Fisheries—									
	(i) Fish production ..	000 Tonnes (Cum)								
	(a) Inland ..	1240	000 Tonnes (Cum)	3.50	3.20	3.40	3.50	3.50	6.50	3.80
	(b) Marine ..	1250	000 Tonnes (Cum)	—	—	—	—	—	—	—
	Total ..	1260	„	3.50	3.20	3.40	3.50	3.50	6.50	3.80

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT—III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980—85) Target	1980—83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985—90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
	(ii) Mechanised Boats ..	1270	Nos. (cum)	—	—	—	—	—	—	—
	(iii) Deep sea fishing ..	1280	Nos. (cum)	—	—	—	—	—	—	—
	(iv) Fish Seed Produced—									
	(a) Fry ..	1290	Million (cum)	—	—	—	—	—	—	—
	(b) Fingerlings ..	1300	Million (cum)	0.50	0.80	4.42	0.50	0.50	2.00	0.60
	(v)(a) Fish Seed Farms ..	1310	Nos. (cum)	9	8	8	8	8	11	8
	(b) Nursery Area ..	1320	Hectares	30	22	25	30	25	30	25
	(vi) No. of Hatcheries	1330	Nos.	—	—	—	2	—	2	1
19	Forestry—									
	(i) Plantation of Quick Growing Species ..	1340	000 Hect.	—	—	—	—	—	—	—
	(ii) Economic and Commercial Species ..	1350	Do	14.00	11.49	5.15	—	—	—	—
	(iii) Social Forestry ..	1360	Do	50.00	27.32	13.97	18.28	18.28	111.30	23.71
	(iv) Afforestation—									
	(a) Trees Planted ..	1370	000 Nos.	95032	114700	67037	52675	52675	241300	52700
	(b) Trees Survived ..	1380	Do	—	—	—	—	—	—	—
	(v) Communications—									
	(a) New Roads ..	1390	Kms.	—	—	—	—	—	—	—
	(b) Improvement of existing roads ..	1400	Kms.	—	—	—	—	—	—	—
	(vi) Production of Some Selected forest Products—									
	(a) Timber ..	1410	000 cu Metres	—	263.50	70.00	75.00	75.00	450.00	75.00
	(b) Fuelwood ..	1420	Do	—	113.10	22.00	25.00	25.00	150.00	25.00
	(c) Bamboos—									
	Commercial ..	1440	000 National Tonnes	—	0.97	—	1.00	1.00	5.00	1.00
	Industrial ..	1450		—	—	—	—	—	—	—
	(d) Minor forest product—									
	Tendu Leaves ..	1460	000 Standard bags	—	—	—	—	—	—	—
	Sal Seed ..	1470	000 Quintals	—	—	—	—	—	—	—
	Others—									
	Kulu Gum ..	1480	Do	—	—	—	—	—	—	—
	Other Gums ..	1490	Do	—	—	—	—	—	—	—
	Harra ..	1500	Do	—	—	—	—	—	—	—

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

**STATEMENT—III
PHYSICAL TARGETS AND ACHIEVEMENTS**

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan (1980—85) Target	1980—83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985—90 Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
II. Rural Development :										
20	I.R.D.P.									
	(i) Beneficiaries Identified	1510	Nos.	744000	—	—	—	—	—	—
	(ii) Beneficiaries assisted	1520	„	94400	248663	72963	70800	74136	181200	51920
	(iii) Scheduled Castes/ Scheduled Tribe beneficiaries	1530	„	47200	119308	41235	35400	41606	90600	25960
	(iv) Beneficiaries assisted under Industries Services and Business (I.S.B.)	1540	„	21200	94614	35271	16000	42480	126840	36344
	(v) Youths trained/being trained under TRYSEM	1550	„	17500	27894	16331	17500	11870	23600	4720
	(vi) Youths Self-employment	1560	„	10000	15634	10604	16500	5868	28600	4720
	(vii) Scheme for strengthening of Administration									
	(a) No. of posts sanctioned*	1570	„	—	12	20	—	—	259	—
	(b) No. of these filled	1580	„	—	12	20	—	—	—	—
	(viii) Development of Women and Children in Rural Areas (DWCRA)									
	No. of Groups organised/ strengthened	1590	„	—	—	—	40	—	2000	200
21	N.R.E.P.									
	(i) Employment generated	1600	Lakh mandays	35.00	61.76	17.45	15.34	17.06	76.35	15.27
	(ii) Details of physical assets created	1610								
	(a) Pavement of streets		Lac. Sq. Mtrs.	—	46.72	27.52	22.15	25.37	78.20	15.64
	(b) Construction of drains		K.M.	—	10442	1376	1825	1395	4300	860
	(c) Plants supplied		Lakh Nos. Hectares	—	396.82	92.01	—	—	—	—
				—	—	600	1600	1600	12640	2528
III. COOPERATION										
	(i) Short term loans	1820	Rs. crores	325.00	312.69	311.40	325.00	330.00	600.00	350.00
	(ii) Medium term loans	1830	„	6.00	2.59	2.00	6.00	6.00	10.00	4.00
	(iii) Long term loans	1840	„	230.00	117.75	165.76	220.56	217.16	350.00	55.00
	(iv) Retail sale of fertilisers	1850	„	230.00	179.01	216.00	230.00	190.00	300.00	192.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth five year plan (1985-90) Target	1980-83	1983-84	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
					Achievement	Achievement	Target	Anticipated Ach.		
1	2	3	4	5	6	7	8	9	10	11
	(v) Agricultural produce marketed	1860	Rs. crores	350.00	577.25	223.54	350.00	245.10	450.00	300.00
	(vi) Retail sale of consumer goods by urban consumer co-operatives ..	1870	„	5.00	8.47	4.00	4.00	4.00	5.00	4.00
	(vii) Retail sale of consumer goods through co-operatives in rural areas ..	1880	„	50.00	60.11	26.05	25.00	20.00	50.00	25.00
	(viii) Co-operative Storage	1890	Lakh tonnes	21.26	15.49	17.25	20.12	18.47	24.26	20.26
	(ix) Processing units									
	(a) Organised ..	1900	No. (Cum.)	49	61	64	67	67	97	73
	(b) Installed ..	1910	„	49	54	58	59	59	91	60
IV. IRRIGATION AND FLOOD CONTROL										
25 Minor Irrigation—										
	(i) Ground water—									
	(a) Potential created ..	1920	000 Hect.	10.00	5.025	2.475	2.400	2.400	9.750	1.800
	(b) Utilisation ..	1930	Do	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	(ii) Surface (Water Courses)									
	(a) Potential created ..	1940	Do	116.00	52.341	28.048	27.12	27.12	34.400	22.400
	(b) Utilisation ..	1950	Do	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
26 Major and Medium Irrigation—										
	(i) Potential created ..	1960	Do	197.100	85.700	26.510	23.90	23.90	191.60	28.00
	(ii) Utilisation ..	1970	Do	197.100	75.500	24.510	22.00	22.00	193.60	28.00
27 Flood Control										
	Area provided with protection	1980	Do	112.00	52.00	29.70	8.00	8.00	20.00	7.00
28 Command Area Development Programme—										
	(i) Area covered by field channels ..	1990	Do	—	—	—	—	—	—	—
	(ii) Area covered by land levelling ..	2000	Do	—	—	—	—	—	—	—
Power										
	(i) Installed Capacity (Cumulative) ..	2010	MW	2209	1674	1896	2459	2325	3093	2460.50
	(ii) Electricity Generated (during) ..	2020	MKWH	N.A.	17966	7378	8493	7663	57603	9416
	(iii) Electricity sold (during) ..	2030	MKWH	N.A.	14410	5957	6880	6207	47029	7646
	(iv) Transmission lines (220KV and above) ..	2040	Km.	1347	971	1038	—	136	1122	66

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980-85) Targets	1980-83	1983-84	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
					Achievement	Achievement	Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
V. RURAL ELECTRIFICATION										
	(a) Village electrified ..	2050	All the 12126 inhabited villages of State stand electrified by 10th May, 1976.							
	(b) Pumpsets energised by Electricity (during the year,	2060	No. } Non-Plan & Plan	165300	71005	47545	20000	25459	54290*	8910*
	(c) Tubewells energised by electricity (cumulative)			2070	No. }	427567	334026	382893	402893	408352	508352	433352
VI. INDUSTRIES AND MINERALS										
Village and Small Industries—										
(i) Small Scale Industries—										
	(a) Units functioning ..	2080	No. 000(Cum)	88637	76947	88855	88637	100655	140899	108899
	(b) Production ..	2090	Rs. Lakhs ,,	147800	115171	12287	147800	132039	212600	145200
	(c) Persons employees	2100	No. '000' ,,	554	454	495	554	546	880	601
(ii) Industrial Focal Points										
	(a) Estates/Area Functioning	2110	Nos. (cum)	18	15	15	15	15	18	16
	(b) No. of Units ..	2120	Nos.	600	458	500	685	685	800	700
	(c) Production ..	2130	Rs. Lakhs"	N.A.	—	—	—	—	—	—
	(d) Employment ..	2140	No.	12000	10000	10450	12218	12218	14000	12500
(iii) Handloom Industry—										
	(a) Production ..	2150	M. Metres"	40	36	38	40	40	50	42
	(b) Employment ..	2160	No. 000"	27	24	25	27	27	33	29
(iv) Powerloom Industry—										
	(a) Production ..	2170	M. Metres	225	205	216	225	225	275	235
	(b) Employment ..	2180	No. 000"	60	58	59	60	60	65	61
(v) Sericulture—										
	(i) Production of Raw-silk	2190	'00 Kgs"	3.5	3.3	3.2	3.5	3.5	6.00	4.8
	(ii) Employment ..	2200	No. '000"	1.00	0.08	0.09	1.00	1.00	1.3	1.2
(vi) Handicrafts—										
	(i) Production ..	2240	Rs. lakhs (cum)	}	Training Programme					
	(ii) Employment ..	2250	No. '000"							
(viii) Khadi and Village Industries—										

*Only plan target.

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT-III : SCHEMES

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code	Unit	Sixth Five Year Plan (1980-85) Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985-90 Target	1985-86 Target
							Target	Anti-cipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
	(a) Within the purview of KVIC—									
	Production ..	2260	Rs. Lakhs''	4307.5	2307.53	2590.33	2925.55	2925.55	5455.00	3413.30
	Employment ..	2270	No. '000''	139	53.8	42.9	51.00	51.00	100.00	58.00
	(b) Outside the purview of KVIC—									
	Production ..	2280	Rs. lakhs''	2000	1342	1600	2000	2000	—	—
	Employment ..	2290	No. '000'	7.50	6.40	6.70	7.50	7.50	—	—
	(x) District Industries Centres									
	(a) Units Registered ..	2300	No.	55900	33217	11878	11700	11700	40000	8000
	(b) No. of artisans assisted ..	2310	No. '000'	4.5	3.00	4.00	5.00	5.00	10.00	6.00
	(c) Financial assistance obtained from the financial institutions including banks ..	2320	Rs. lakhs	1500	565	878	1178	1178	3178	1578
	(d) Staff in position (as on date)—									
	General Manager ..	2330	Nos.	12	12	12	12	12	12	12
	Functional Managers	2340	Nos.	44	18	17	44	44	48	48
	7. TRANSPORT									
30	Roads—									
	(i) State Highways—									
	(a) Surfaced ..	2360	KMS (Commulative)	1900	1900	1900	1900	1900	1900	1900
	(b) Unsurfaced ..	2370	„	—	—	—	—	—	—	—
	Total ..	2380	„	1900	1900	1900	1900	1900	1900	1900
	(ii) Major District Roads—									
	(a) Surfaced ..	2390	„	2100	2100	2100	2100	2100	2100	2100
	(b) Unsurfaced ..	2400	„	—	—	—	—	—	—	—
	Total ..	2410	„	2100	2100	2100	2100	2100	2100	2100
	(iii) Other District Roads—									
	(a) Surfaced ..	2420	„	2448	2415	2421	2431	2431	2471	2440
	(b) Unsurfaced ..	2430	„	—	—	—	—	—	—	—
	Total ..	2440	„	2448	2415	2421	2431	2431	2471	2440

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT-III-SCHEMES

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985-90 Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	L	8	9	10	11
	(iv) Village roads—									
	(a) Surfaced	.. 2450	..	25824	25335	25752	26052	26052	26082	26082
	(b) Unsurfaced	.. 2460	..	—	—	—	—	—	—	—
	Total	.. 2470	..	25824	25335	25752	26052	26052	26082	26082
	(iv) Total Roads—									
	(a) Surfaced	.. 2480	..	32272	31750	32173	32483	32483	33023	32522
	(b) Unsurfaced	.. 2490	..	—	—	—	—	—	—	—
	Total	.. 2500	..	32272	31750	32173	32483	32483	33023	32522
	IX. SOCIAL AND COMMUNITY SERVICES EDUCATION									
	33 Elementary Education :									
	(i) Classes (I—V) age-group (6—11)									
	(a) Total enrolment—									
	Boys	.. 2560	'000	1064	1157	1161	1180	1198	1260	1205
	Girls	.. 2570	..	907	934	941	956	962	1025	980
	Total	.. 2580	..	1971	2091	2102	2136	2160	2285	2185
	Percentage to age group—									
	Boys	.. 2590		109.69	119.37	120.06	122.03	123.46	130.78	123.46
	Girls	.. 2600		100.00	104.19	104.32	106.01	106.18	104.19	107.57
	Total	.. 2510		105.00	112.08	112.46	114.35	115.07	107.82	115.92
	(b) Enrolment of Scheduled Castes—									
	Boys	.. 2620	'000	266	352	333	295	340	386	373
	Girls	.. 2630	..	227	261	242	239	254	278	269
	Total	.. 2640	..	493	613	575	534	594	664	642
	Percentage to age-group—									
	Boys	.. 2650		100.91	143.67	137.60	121.09	115.25	113.53	109.97
	Girls	.. 2660		100.88	116.52	107.55	106.22	106.27	109.45	105.91
	Total	.. 2670		105.57	130.70	123.14	114.35	111.24	111.78	108.08

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT-III : SCHEMES

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985-90 Targets	1985-86 Target
							Target	Anti-cipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
(c) Enrolment of Scheduled Tribes—										
	Boys	.. 2680	'000'	—	—	—	—	—	—	—
	Girls	.. 2690	..	—	—	—	—	—	—	—
	Total	.. 2700	..	—	—	—	—	—	—	—
Percentage to age-group—										
	Boys	.. 2710		—	—	—	—	—	—	—
	Girls	.. 2720		—	—	—	—	—	—	—
	Total	.. 2730		—	—	—	—	—	—	—
(d) Classes VI-VIII (Age-group 11-14)										
	Boys	.. 2740	..	540	477	480	490	499	552	502
	Girls	.. 2750	..	330	327	342	347	348	385	352
	Total	.. 2760	..	870	804	822	837	847	937	854
Percentage to age-group—										
	Boys	.. 2770		91.75	79.39	81.56	84.95	88.30	95.02	88.83
	Girls	.. 2780		65.05	60.93	64.30	60.81	66.57	70.81	67.34
	Total	.. 2790		71.65	70.68	73.37	75.81	82.40	83.31	78.50
Enrolment of Scheduled Castes—										
	Boys	.. 2800	'00'	141	113	103	96	103	113	105
	Girls	.. 2810	..	86	51	57	69	59	64	60
	Total	.. 2820	..	227	164	160	165	162	177	165
Percentage of age-group—										
	Boys	.. 2830	..	83.67	72.23	70.00	66.57	71.42	77.81	72.30
	Girls	.. 2840	..	41.35	36.01	42.87	52.35	44.76	47.08	44.14
	Total	.. 2850	..	63.57	57.67	57.12	59.67	58.69	62.05	60.67

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT—III SCHEMES

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980—85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985—90 Target	1985-86 Target
							Target	Anti. Ach.		
1	2	3	4	5	6	7	8	9	10	11
	Enrolment of Scheduled Tribes—									
	Boys	.. 2860	..	—	—	—	—	—	—	—
	Girls	.. 2870	..	—	—	—	—	—	—	—
	Total	.. 2880	..	—	—	—	—	—	—	—
	Percentage of age-group—									
	Boys	.. 2890		—	—	—	—	—	—	—
	Girls	.. 2900		—	—	—	—	—	—	—
	Total	.. 2910		—	—	—	—	—	—	—
34	Secondary Education									
	(i) Classes IX—X									
	Enrolment—									
	Boys	.. 2920	000	264	229	256	264	237	270	243
	Girls	.. 2930	..	156	140	161	156	160	180	164
	Total	.. 2940	..	420	369	417	420	397	450	407
	(i) Classes XI—XII									
	(General Classes) Enrolment—									
	Boys	.. 2950	000	—	—	—	—	—	—	—
	Girls	.. 2960	..	—	—	—	—	—	—	—
	Total	.. 2970	..	—	—	—	—	—	—	—
35	Enrolment in Vocational Courses									
	(i) Post-elementary stage—									
	Total	.. 2980	No.	—	—	19787	27600	22500	—	—
	Girls	.. 2990	No.	—	—	—	—	—	—	—
	(ii) Post High School Stage—									
	Total	.. 3000	No.	—	—	3084	4200	3600	—	—
	Girls	.. 3010	No.	—	—	—	—	—	—	—

SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT III SCHEMES
PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980—85) Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985—90) Target	1985-86 Target
							Target	Anti-Achievements		
1	2	3	4	5	6	7	8	9	10	11
36	Enrolment in Non-Formal (Part-time/continuation) classes									
	(i) Age-group (6—11)—									
	Total ..	3020	No.	—	—	—	—	—	—	—
	Girls ..	3030	No.	—	—	—	—	—	—	—
	(ii) Age-Group (11—14)—									
	Total ..	3040	No.	30,000	19726	18182	6000	6000	30,000	6,000
	Girls ..	3050	No.	—	—	—	—	—	—	—
37	Adult Education :									
	(i) Number of Participants (age-group 15—35) ..	3060	000'	1,80	—	—	3	3	6,25	1,25
	(ii) Number of Centres opened under—									
	(a) Central Programme	3070	No.	—	—	—	—	—	—	—
	(b) State's Programme	3080	No.	—	—	—	—	—	—	—
	(c) Voluntary Agencies	3090	No.	—	—	—	—	—	—	—
	(d) Other Programmes	3100	No.	—	—	—	—	—	—	—
3	Teachers :									
	(i) Primary Classes I-V	3110	No.	47290	47260	47260	47260	47260	47810	47370
	(ii) Middle Classes VI-VIII	3120	No.	24127	24535	24535	24535	24625	25825	24745
	(iii) Secondary Classes IX-X	3130	No.	19705	20915	21065	21065	21125	21875	21155
	(iv) Higher Secondary Classes XI—XIII ..	3140	No.	—	—	—	—	—	—	—
39	Health and Family Welfare:									
	1. Hospitals—									
	(a) Urban ..	710	Nos. (Cumulative)	16	3	—	—	1 (Malout)	13	3
	(b) Rural ..	711	"	21	—	—	—	1(10 Bed Bhai-ka-khera)	—	—
	(ii) Dispensaries—									
	(a) Urban ..	712	"	25	10	—	5	5	25	5
	(b) Rural ..	713	"	1000	450	30	—	—	150	30
	(iii) Beds—									
	(a) Urban Hospitals & Dispns.	714		500	140	—	20	20	650	400
	(b) Rural Hospitals & Dispns.	715		4525	1800	120	..	10	600	12

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STATEMENT III SCHEMES

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980—85). Target	1980—83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985—90) Target	1985-86 Target	
							Target	Anticipated Achievements			
1	2	3	4	5	6	7	8	9	10	11	
	(c) Bed population ratio	716	„ (per 1000)	1:28	1:42	1:82	1:83	1:183	—	—	
	(iv) Nurse & Doctor ratio	717	„ (per 3 Drs)	1:29	1:2	1:2	1:2	1:2	1:2	1:2	
	(v) Doctors population ratio	718	„ (per 1000 population)	1 : 1844							
	(vi) Health Centres—										
	(a) Sub-centres	719	„ (Cumulative)	488	254	145	168	168	250	50	
	(b) Primary Health Centres	720	„	1	1	—	—	—	200	40	
	(c) Subsidiary Health Centres	721	„	1000	450	30	—	—	—	—	
	(d) Community Health Centres	722	„	30	10	—	—	—	5000	10	
	(vii) Training of Auxiliary Nurse Midwives—										
	(a) Institute	723	„	2	2	—	—	—	3	3	
	(b) Annual Intake	724	„	—	694	420	420	420	210	210	
	(c) Annual Outturn	725	„	—	633	420	420	420	210	210	
	(viii) Control of Diseases—										
	(a) T.B. Clinics	726	Nos. (Cumulative)	—	—	—	—	—	—	—	
	(b) Leprosy Control Units	727	„	—	—	—	—	—	—	—	
	(c) Filaria Units	728	„	—	—	—	—	—	—	—	
	(d) SEP Centres	729	„	×	—	—	—	—	—	—	
	(e) District T.B. Centre	730	„	As against (a) above							
	(f) T.B. Isolation beds	731	„	—	—	—	—	—	—	—	
	(g) Cholera Combat Teams	732	„	—	—	—	—	—	—	—	
	(h) STD Clinics	733	„	—	—	—	—	—	—	—	
	(i) National scheme for control of Blindness—										
	Mobile units set up	734	„	—	—	—	—	—	—	—	
	PHCs assisted	735	„	1	18	—	—	—	—	—	
	Ophthalmic Deptt. assisted	736	„	—	—	—	—	—	—	—	
	(j) MCH centre other than PHCs, BHCs SCs.—										
	(a) Rural	737	No.	—	—	—	—	—	—	—	
	(b) Urban	738	„	—	—	—	—	—	—	—	

*Details yet to be chalked out under revamping of service. Delivery out reach system for FP and MCH for Urban Slum & congested Areas.

SEVENTH FIVE YEAR PLAN (1985-90)

ANNUAL PLAN 1985-86

STATEMENT-III

Physical Targets and Achievements

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		7th Plan Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
(x) Training of MPWs—										
	(a) District covered ..	739	..	—	7	5	—	—	—	—
	(b) Trainees trained ..	740	..	448	185	Backlog				
	(c) Workers trained ..	741	..	1652	5494	Do				
(xi) Village Health Guides Scheme—										
	(a) V.H.Gs. selected ..	742	..	—	4555	5986	2269	2269 (Backlog)	—	—
	(b) V.H.Gs. trained ..	743	..	—	4555	5986	2269	2269 (,,)	—	—
	(c) V.H.Gs. working in the field	744	..	—	4555	5986	2269	2269 (,,)	—	—
	(d) No. of PHCs covered	745	..	130	45	85	—	—	—	—
(xii) Family Welfare—										
	(a) Rural F.W. Centres	746	..	1	1	—	—	—	—	—
	(b) District F.W. Bureau	747	..	—	—	—	—	—	—	—
	(c) City FW Centres ..	748	..	—	—	—	—	—	—	—
	(d) Urban FW Centres ..	749	..	37	20	4	×	×	—	—
	(e) Post Partum Centre	750	..	27	2	1	14	14	—	10 (85-86)
	(f) Regional FW Trg. Centres	751	..	—	—	—	—	—	—	—
	(g) ANM Trg. schools ..	752	..	2	2	—	—	—	—	—
Health and Family Welfare										
Homeopathy Hospitals—										
	Urban ..	Nos	Commulative	—	—	—	—	—	1	1
	Rural ..	..	..	—	—	—	—	—	—	—
Dispensaries—										
	(a) Urban ..	..	..	19	5	12	—	—	75	15
	(b) Rural ..	..	..					
Beds—										
	(a) Urban Hospitals and dispensaries	..	..	—	—	—	—	—	10	10
	(b) Rural Hospitals and dispensaries	..	..	—	—	—	—	—	—	—
	(c) Bed population ratio	..	..	—	—	—	—	—	—	—
Ayurvedic Hospitals—										
	(a) Urban ..	Nos	Commulative	—	—	—	—	—	—	—
	(b) Rural	—	—	—	—	—	—	—

SEVENTH FIVE YEAR PLAN 1985-90

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STATEMENT-III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985-90 Target	1985-86 Target
							Target	Anticipated Achievements		
1	2	3	4	5	6	7	8	9	10	11
Ayurvedic Dispensaries—										
	(a) Urban	..	..	—	—	—	—	—	—	—
	(b) Rural	..	..	68	38	2	2	2	50	10
Beds—										
	(a) Urban Hospitals and Dispensaries	..	..	—	—	—	—	—	—	—
	(b) Rural Hospitals and Dispensaries	..	..	—	—	—	—	—	—	—
	(c) Bed Population Ratio	..	..	—	—	10	—	—	—	—
40	SEWERAGE AND WATER SUPPLY									
A.	URBAN WATER SUPPLY									
	(i) Corporation/Towns									
1	Ludhiana									
	(a) Augmentation of Water Supply		Mld.	46.31	13.62	2.72	16.34	16.34	—	—
	(b) Population covered		Lakhs	2.05	1.98	0.45	0.67	0.67	—	—
2	Jullundur—									
	(a) Augmentation Schemes		Mld.	24.51	10.90	21.79	—	—	—	—
	(b) Population covered		Lakhs	1.09	0.35	30.88	—	—	—	—
3	Amritsar—									
	(a) Augmentation Schemes		Mld.	18.74	52.00	2.18	6.54	6.54	—	—
	(b) Population covered		Lakhs	1.18	0.92	0.25	0.27	0.27	—	—
	(ii) Other towns									
	(a) Original Schemes									
	Towns covered		Nos.	3	Partly (Lehra-gaga, Patran and Ahmed-garh)	2 partly (Patran and Ahmed-garh)	2 Partly (Patran and Ahmed-garh)	2 Partly (Patran and Ahmed-garh)	20 Partly	5 Partly
	Population covered		Lakhs	0.289	Part Population	Part Population	Part Population	Part Population	Part Population	Part Population
	(b) Augmentation Schemes									
	Town covered		Nos.	31	Partly (IDA 5 towns LIC 25 towns HUDCO 1 town)	31	31 LIC 25 towns 2nd pkg.	25 LIC 25 towns	25 (Partly)	12 (Partly)

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL P/AN (1985-86)

STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980—85 Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan 1985—90 Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
	Population covered		Lakhs	11.60	2.271	2.271	Part Population	Part Population	Part Population	Part Population
	(B) URBAN SANITATION									
	(i) SEWERAGE SCHEMES									
	Corporation/towns									
1	Ludhiana—									
	(a) Augmentation capacity		Mld.	34.73	10.22	2.04	12.25	12.25	—	—
	(b) Population covered		Lakhs	4.01	2.71	0.31	0.41	0.41	—	—
2	Amritsar—									
	(a) Augmentation capacity		Mld.	14.06	39.23	1.63	4.91	4.91	—	—
	(b) Population covered		Lakhs	2.24	1.67	0.25	0.20	0.20	—	—
	Jullundur—									
	(a) Augmentation capacity		Mld.	18.38	8.17	16.34	—	—	—	—
	(b) Population covered		Lakhs	1.98	1.68	0.18	0.28	0.29	—	—
	(ii) Other towns									
	(a) Original Schemes									
	Towns covered		Nos.	6	—	—	2 Partly (Ahmedgarh and Patran)	2 Partly (Ahmedgarh and Patran)	28 Partly	8 Partly
	Population covered		Lakhs	7.50	—	—	Part Population	Part Population	Part Population	Part Population
	(b) Augmentation Schemes									
	Towns covered		Nos.	22	17	17	11 towns LIC 2nd Pkg.	11 towns LIC 2nd Pkg.	35 (Partly)	9 (Partly)
				IDA : 5	towns	towns	towns	towns		
				LIC : 11	towns	towns	towns	towns		
				HUDCO 1	towns	towns	towns	towns		
	Population covered		Lakhs	Part Population	1.247	1.247	Part Population	Part Population	Part Population	Part Population
	(iii) Drainage Schemes									
	(a) Original Schemes									
	Town covered		Nos.	} Covered in 'B' above						
	Population covered		Lakhs							
	(b) Augmentation Schemes									
	Town covered		Nos.	} Covered in 'B' above						
	Population covered		Lakhs							

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No	Item	Code No	Unit	Sixth Five Year Plan (1980-85) Target	1980-83 Achiev - ment	1983-84 Achieve - ment	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
(iv) Latrines conversion Programme (under IDA)										
	(i) Latrines Converted		Nos.	66010	92562	10352	7765	7765	—	—
	(ii) Towns covered		Nos.	8	8	8	8	8	—	—
	(iii) Population covered		Lakhs	4.62	7.27	0.81	0.50	0.50	—	—
Urban Low Cost Sanitation										
	(i) Latrines constructed		Nos.	—	—	—	2000	150	10000	3000
	(ii) Towns covered		Nos.	—	—	—	6 (Partly)	6 (Partly)	6 (Partly)	6 (Partly)
	(iii) Population covered		Lakhs	—	—	—	0.12	0.01	0.60	0.18
Rural Water Supply :										
Under Minimum Needs Programme (State Sector)—										
(a) Piped Water Supply—										
	(i) Village covered	810	Nos.	1474	159	130	103	103	930	130
	(ii) Population covered	841	Lakhs	17.40	2.22	1.81	1.16	1.16	13.83	1.68
Other Rural Water Supply :										
(a) Piped Water Supply—										
	(i) Village covered	860	Nos.	293	48	35	62	62	300	35
	(ii) Population covered	861	Lakhs	3.46	0.57	0.57	0.70	0.70	N A	N A
HOUSING—										
A—Rural Housing :										
1	Rural House Sites Schemes*	910	Nos.	—	—	—	—	—	—	—
2	Houses for rural homeless	911	Nos.	24389+ 6611 (Spillover)	21593	1678	900	900	—	—
3	Village Housing Project Scheme	912	Loanees	3400	2664	180	200	200	2000	200
B Urban Housing :										
1	Subsidised Industrial Housing Scheme—									
	(a) Government Sector	920	Houses	228	—	—	—	—	—	—
	(b) Private Sector			32	170	90	314	314	325	50
2	Low Income Group Housing Scheme	921	Loanees	6000	1920	200	1600	1600	1000	100
3	Middle Income group housing Scheme	922	Loanees	300	363	50	50	50	350	50

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STATEMENT III

PHYSICAL TARGETS AND ACHIEVEMENTS

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980-85) Target	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target achievement	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
Rental Housing Scheme										
4	Houses for Government employees—									
	(a) At District/Tehsil Head quarter and at other places	923	Houses	1168+754 (Spillover)	54+1470 (Spillover)	600+870 (Spillover)	330+1524 (Spillover)	200+700 (Spillover)	850	—
	(b) At Focal Points	924	Houses	218+478 (Spillover)	120+264 (Spillover)	148+120 under Const.	—	—	—	—
	(c) At Chandigarh	924	Do	410+718 (Spillover)	64+366 under Const.	84+282 under Const.	654	654	900	—
5	Land acquisition and area Development—									
	(a) Area acquired	925	Acres	1000	263	—	250	250	375	100
	(b) Area Developed	—	Acres	600	595	300	800	800	1100	390
6	Environment Improvement of slums	937	Population	33300	185638	190616	45000	45000	300000	45000
7	House Building Advance to Government Servants	927	Loanees	—	1846	864	944	944	3000	600
8	Loans for building houses in Urban Estates		Do	450	200	168	60	60	90	21
9	Police Housing	928	Houses	4306+3380 (Barracks)	416+734 (Spillover)	—	60	60	1250+970 (Spillover) and Barracks accommodation for 1750 persons	970 (Spillover) and Barracks accommodation for 350 persons
43	Labour and Labour Welfare :									
	(a) No of Incl. Trg. Instts.									
	(i) Craftsman Training ..		Nos. cummulative	40	38	38	38	38	40	38
	(ii) App. Training ..			50	44	44	44	44	47	46
	(iii) Women Training ..			1	1	1	1	1	3	3
	(iv) Professional Training			—	—	—	—	—	—	—
	(b) Intake Capacity :									
	(i) Craftsman Training] ..		Do	12328	12312	12328	12328	12328	12892	12432
	(ii) App. Training ..		Do	171	171	171	171	171	385	321
	(iii) Women Training ..		Do	4016	4000	4000	4016	4016	4282	4162
	(iv) Professional Training]		Do	360	360	360	360	360	400	380

*All the eligible persons were allotted free house site on the rural area of the State.

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT—III

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan (1980-85)	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
							Target Achievement	Anti-Achievement		
1	2	3	4	5	6	7	8	9	10	11
(c) No of persons undergoing training :										
	(i) Craftsmen Training ..			12328	12312	12328	12328	12328	12892	12432
	(ii) App. Training ..			171	171	171	171	171	385	321
	(iii) Women Training ..			4016	4000	4000	4016	4016	4282	4162
	(iv) Professional Training			360	360	360	360	360	400	380
(d) Out-Turn										
	(i) Craftsmen Training ..		Nos. (Cum)	42128	25348	8416	8464	8464	44260	8524
	(ii) App. Training ..		Do	2275	1365	455	455	455	6435	755
	(iii) Women Training ..		Do	19600	11760	3920	3920	3920	20864	3920
	(iv) Professional Training		Do	900	540	180	180	180	960	180
44	WELFARE OF BACKWARD CLASSES									
(i) Pre-matric education in centre										
	(a) Scholarships/stipends	4500	Nos.	—	—	—	—	—	31104	5184
	(b) Other incentive like boarding, grants, books/stationery and uniforms	4510	No. of students (lacs) Nos. (Cum)	9.09	4.46	1.88	1.88	1.88	13.60	2.62
	(c) Ashram Schools ..	4520		—	—	—	—	—	—	—
(ii) Economic Aid :										
	(a) For agriculture ..	4530	Nos. (Cum)	1220	260	160	200	200	—	—
	(b) For Animal Husbandry	4540	Nos. (Cum)	—	—	—	—	—	1000	100
	(c) For Cottage Industry	4550	Nos.	—	—	—	—	—	350	35
(iii) Others :										
	(a) House Sites ..	4560	Nos. (Cum)	—	—	—	—	—	—	—
	(b) Drinking Water Wells/Taps	4570	Nos.	5563	2492	702	1050	1050	2500	500
(iv) Hostels										
	(a) Hostel started ..	4580	Nos.	—	—	—	—	—	—	—
	(b) Hostel Building constructed.	4590	Nos.	—	—	—	—	—	—	—
45	SOCIAL WELFARE :									
(i) Child Welfare :										
	(a) ICDS ..	4600 4610	Units Bene	—	—	—	—	—	—	—

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN (1985-86)

STATEMENT—III

PHYSICAL TARGETS AND ACHIEVEMENT

States/U.T.

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan (1980-85) Targets	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Targets	1985-86 Target
							Target	Anticipated Achievement		
1	2	3	4	5	6	7	8	9	10	11
	(b) Balwaries	.. 4620 4630	Wnits Bene.	—	—	—	—	—	—	—
	(c) Creche	.. 4640 4650	Wnits Bene.	—	—	—	—	—	—	—
	(ii) Women Welfare :									
	(a) Training-cum-production centre	4660 4670	Units Bene.	—	—	—	—	—	—	—
	(b) Hostels for Working Women	4680 4690	Units Bene.	—	—	—	—	—	—	—
	(iii) Welfare of the handi-capped :									
	(a) Programme for the blind	4700 4710	Units Bene.	—	—	—	—	—	—	—
	(b) Programme for the Deaf	4720 4730	Units Bene.	—	—	—	—	—	—	—
	(c) Programme for the ortho-pedically handicapped	4740 4750	Units Bene.	—	—	—	—	—	—	—
	(d) Programme for the mentally retarded child	4760 4770	Units Bene.	—	—	—	—	—	—	—
	(e) Scholarships (Beneficiaries)	4780	Bene.	525	277	35	120	120	300	60
	(f) Supply of prostheticaid	4790	Bene.	—	137	16	120	120	100	100
	(iv) Welfare of Destitute and Poor :									
	(a) Financial assistance to :									
	Women	.. 4800	Bene.	7600	12777	19846	18000	16660	15000	3000
	Children	.. 4810	Bene.	4600	4867	5945	7000	7500	7500	1500
	(b) Old age pension	.. 4820	Bene.	—	—	—	—	—	—	—

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT—IV

MINIMUM NEEDS PROGRAMME—OUTLAY AND EXPENDITURE

(Rs. in lakhs)

Name of the Programme	Code No.	Sixth Five-Year Plan (19 0—85) (Agreed Outlay)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	Seventh Plan					
					1984-85		1985-90		1985-86	
					Approved Outlay	Anticipated Expenditure	Approved Outlay	Of which capital Content	Approved Outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10	11
1. Rural Electrification	01	7134.00	3858.00	690.00	200.00	200.00	5429.00	5429.00	891.00	891.00
2. Rural Roads	02	2000.00	1299.28	535.14	—	—	—	—	—	—
3. Elementary Education	03	2112.05	981.66	499.19	441.43	563.47	2824.00	300.00	392.30	—
4. Adult Education	04	100.00	—	—	2.00	2.00	500.00	—	10.00	—
5. Rural Health	05	1317.00	830.21	474.16	469.70	601.97	2626.15	1950.00	245.05	181.35
6. Rural Water Supply	06	6800.00	1143.11	594.12	800.00	1000.00	7000.00	7000.00	999.99	999.99
7. Rural House Site-cum-Construction Schemes :										
(a) Allocation of sites	07	—	—	—	—	—	—	—	—	—
(b) Construction assistance (Houses for Rural Homeless)	08	1200.00	740.00	311.00	156.37	104.17	324.00	324.00	74.00	74.00
8. Environmental improvement of Slums	09	500.00	179.00	80.00	61.00	31.00	500.00	500.00	31.00	31.00
9. Nutrition	10	80.00	34.94	44.70	76.00	68.00	1650.00	—	252.00	—
Total		21243.05	9066.20	3228.31	2206.50	2570.61	20853.15	15103.00	2895.34	2177.34

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT—V

PHYSICAL TARGETS AND ACHIEVEMENTS M.N.P.

Head of Development	Unit	1979-80 level	Sixth Five- Year Plan Target (1980- 85)	Additional in the Plan year					
				1980-83 Achieve- ment	1983-84 Achieve- ment	1984-85		Seventh Plan (1985-90) Target	Annual Plan (1985-86) Target
						Target	Antici- pated Achieve- ment		
1	2	3	4	5	6	7	8	9	10
1. Rural Electrification :									
Village electrified	.. Nos.	All the 12126 inhabited villages in the State have been electrified by 10-5-1976							
2. Rural Roads :									
(a) Length	.. Nos.	24524	25824	25335	25752	26052	26052	—	—
(b) Total No. of villages, in the State	Nos.	12188	12188	12188	12188	12188	12188	—	—
(c) Village connected—									
(i) With population of 1500 and above	Nos.	1689	1689	1689	1689	1689	1689	—	—
(ii) With population between 1000-1500	Nos.	1657	1657	1657	1657	1657	1657	—	—
(iii) With a population below 1000	Nos.	8478	8767	8672	8687	8687	8687	—	—
Total (i), (ii), (iii)	.. Nos.	11824	12113	12018	12033	12033	12033	—	—
3. Elementary Education :									
(a) Classes I—V (age-group 6—11 years) enrolment	000's	2067	1971	2091	2102	2136	2160	2285	2185
(b) Classes VI—VIII (age-group 11—14 years) enrolment	000's	661	870	804	822	837	847	937	854
4. Adult Education :									
(a) Number of participants (15—35 years)	No.	9000	84000	182000	89000	89000	100000	625000	125000
(b) Number of Centres	.. No.	180	—	—	—	—	—	—	—
(i) Centre	.. No.	—	—	—	—	—	—	—	—
(ii) State	.. No.	1200	—	—	—	100	100	3600	300
(iii) Voluntary Agencies	.. No.	—	—	—	—	—	—	—	—
(iv) Other Programmes	.. No.	—	—	—	—	—	—	—	—
5. Nutrition	.. No. (Bene.)	17000	75000	43768	125000	135000	135000	1350000	220000
6. Rural Health :									
(a) Sub-Centres	.. No.	2105	488	230	100	168	168	250	50
(b) Primary Health Centres	.. No.	129	1	1	—	—	—	200	40
(c) Subsidiary Health Centres	.. No.	1096	1000	450	30	—	—	—	—
(d) Community Health Centres	No.	—	30	10	—	—	—	50	10
(e) PHC, concerned under Village Health Guide Schemes	No.	—	130	45	85	—	—	—	—

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT V

PHYSICAL TARGETS AND ACHIEVEMENTS M.N.P.

Head of Development	Unit	1979-80 level	Sixth Five- Year Plan Target (1980-85)	Additional in the Plan year					
				1980-83 Achieve- ment Outlay	1983-84 Achieve- ment	1984-85		Seventh Plan (1985-90) Target	Annual Plan (1985-86) Target
1	2	3	4	5	6	7	8	9	10
7. Rural Water Supply :									
(a) Problem Village	Nos.	1474	1474	159	130	103	103	930	130
(b) Population	000's	1740	1740	—	—	—	—	—	—
(c) Other Villages	Nos.	—	—	—	—	—	—	—	—
(d) Population :									
(e) Village covered by—									
(i) Pipe Water Supply	No.	}	1474	159	130	103	103	930	130
(ii) Dug Wells	No.								
(iii) Hand Pump/Tubewells	No.								
(iv) Power-Pumps/Tubewells	No.								
(v) Other (Specify)	No.								
(f) Total number of schemes :									
(i) Pipes Water Supply	No.	}							
(ii) Hand Pump Tubewells	No.								
(iii) Fower Pump Tubewells	No.								
(iv) Dug Wells	No.								
(v) Others (Specify)	No.								
2. Central Sector (ARP)									
(a) Problem Villages	No.	293	293	48	35	62	62	300	35
(b) Population	000's	346	346	—	—	—	—	—	—
(c) Other Villages	No.	}							
(d) Population	No.								
(e) Village covered by	000's								

To be revised.

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT VI

CENTRALLY SPONSORED SCHEMES—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of the Scheme	Pattern of sharing expenditure (i.e. 50 : 50) 100% etc.	Sixth Plan Outlay (1980-85)	Actual Expdr. 1980-83	Actual Expenditure 1983-84	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved Outlay	
					Allocation	Anti-Expenditure			
1	2	3	4	5	6	7	8	9	
I—Agriculture									
C.S.1	Timely reporting revised Calender Operation and improved Crops Statistics ..	50 : 50	10.20	6.54	2.60	4.00	3.35	25.00	3.90
C.S. 2	Control of Pests and diseases of Agril. Importance in endemic areas including control of weeds	50 : 50	155.00	91.62	49.78	50.50	60.00	453.00	75.50
C.S. 3	Intensive Cotton Development Programme including scheme for production of nucleous seed of Cotton ..	50 : 50	250.00	85.23	32.26	35.00	45.50	225.00	40.00
C.S. 4	National Oil Seed Development Project ..	100%	80.00	36.35	14.61	32.40	27.23	165.00	31.00
C.S. 5	Intensive Pulses Development Programme	(i) Subsidies on certified seed 100% by GOI (ii) Other items 50 : 50	35.00	12.83	4.64	7.00	6.25	35.00	6.50
C.S. 6	Popularisation of Improved Agricultural Implements ..	50 : 50	—	—	—	—	—	75.00	10.00
C.S. 7	Provision of improved grain storage bins ..	100%	75.00	6.00	—	—	—	—	—
C.S. 8	Development of rural regulated markets—Grant-in-aid to Marketing Board ..	100%	—	121.00	75.00	—	63.50	—	105.00
C.S. 9	Agricultural Census ..	100%	—	4.83	3.53	2.50	4.35	15.00	1.80
C.S. 10	Scheme for crop estimation surveys on fruits vegetables and minor crops ..	100%	—	—	0.22	1.90	1.65	12.50	2.30
C.S. 11	Sample Survey for study of Constraints in transfer of technology for Agricultural Production ..	50 : 50	—	—	—	0.50	0.10	2.50	0.50
C.S. 12	Assistance to Small and Marginal Farmers on IRD pattern ..	50 : 50	—	—	72.25	187.00	142.00	1400.00	295.00
C.S. 13	Control of Pests on Cotton	100%	—	—	—	—	150.00	1000.00	200.00
C.S. 14	Dry Land Farming ..	50 : 50	—	—	—	—	1.00	100.00	15.00
C.S. 15	Scheme for the establishment of Pests and diseases Surveillance Service in Punjab	75 % for staff and P.O.L. by G.O.I. 25 % by State	—	—	—	—	—	18.50	0.90

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT VI

CENTRALLY SPONSORED SCHEMES—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of Scheme	Pattern of sharing expenditure (i.e. 50 : 50 100% etc.)	Sixth Plan Outlay (1980-85)	Actual Expdr. 1980-83	Actual Expdr. 1983-84	1984-85		Seventh (1985-90) Approved Outlay	1985-86 Approved Outlay	
					Allocation	Anti-Expdr.			
1	2	3	4	5	6	7	8	9	
C.S. 16	Scheme for Rice, Maize, Bajra and Wheat Minikits .. 100%	—	—	—	—	—	25.00	5.00	
C.S. 17	Reclamation of Kaller Lands in Punjab .. 50 :50	—	—	—	—	—	3000.00	300.00	
C.S. 18	Setting up of Machinery Hiring units and establishment of Agro-Service Centres for Small Implements and Machinery .. 50: 50	—	—	—	—	—	50.00	10.00	
C.S. 19	Strengthening of Agricultural Information centres at State/District level .. 100% for equipment and 50% for staff by G.O.I.	—	—	—	—	—	212.00	126.50	
C.S. 20	Strengthening of State Seed Certification Organisation and Quality Control of Seeds .. 100%	—	—	—	—	—	12.00	3.00	
C.S. 21	Development of Flouriculture for Export purposes in Punjab (Hort. Deptt.) .. 100%	—	—	—	—	—	46.50	8.35	
Total ..		605.20	364.40	254.89	320.80	504.93	6872.00	1240.25	
II. Soil Conservation									
C.S. 1	Pilot Project for propagation of water conservation /harvesting Technology in dry farming areas .. 100%	—	—	—	24.00	20.00	10.00	10.00	
III. Animal Husbandry									
C.S. 1	Centrally Sponsored Scheme—Foot and Mouth Disease Control Programme—Project for vaccination of Cattle & Buffaloes in selected areas	Polyvalent vaccine State: 75% GOI : 25%	13.00	4.35	1.54	1.65	1.65	32.50	5.50
		Monovalent vaccine State - 50% Centre : 50%							
C.S. 2	ICAR Scheme—All India Co-ordinated Research Project for Epidemiological Studies on Foot and Mouth ..	ICAR: 75% State: 25%	2.41	1.94	0.64	0.86	0.86	5.10	0.92
C.S. 3	Centrally Sponsored Scheme—Assistance to Small/Marginal Farmers and Agril. Labourers for rearing of cross bred heifers	GOI : 50% State 50%	72.00	44.73	0.72	11.37	11.37	215.29	10.00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT VI

CENTRALLY SPONSORED SCHEMES—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of Scheme	Pattern of sharing expenditure (i.e. 50 : 50 100% etc.	Sixth Plan Outlay (1980-85)	Actual Expenditure 1980-83	Actual Expenditure 1983-84	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved Outlay	
					Allocation	Anti-Expenditure			
1	2	3	4	5	6	7	8	9	
C.S. 4	Centrally Sponsored Scheme—Implementation of Poultry, Piggery and Sheep Production Programmes through Small/Marginal Farmers and Agril. Labourers ..	GOI : 50% State: 50%	70.00	15.98	2.44	4.81	4.81	90.11	6.00
C.S. 5	Centrally Sponsored Scheme for Sample Surveys on estimation of production of milk, eggs, wool and meat ..	GOI : 50% State: 50%	—	—	—	1.90	1.90	10.60	2.02
C.S.6	Centrally Sponsored Scheme systematic control of livestock diseases of national importance and other related aspects—	GOI: 50% State : 50%							
	(a) T.B. and Brucellosis control	—	—	—	—	2.00	2.00	7.80	1.76
	(b) Swine Fever Control ..	—	—	—	—	—	—	0.74	0.17
	(b) Pullorum control (4 units)	—	—	—	—	—	—	5.55	1.59
	(d) Canine Rabies control (2 units) ..	—	—	—	—	—	—	6.05	2.70
	(e) Estt./Strengthening of Poultry disease diagnostic lab (1)	—	—	—	—	—	—	4.20	2.05
	(f) Production of Theileria vaccine (1 lab.) ..	—	—	—	24.55	—	—	49.00	15.00
	(g) Headquarter staff ..	—	—	—	—	—	—	1.45	—
	Total (a to g) ..	—	—	—	24.55	2.00	2.00	74.79	23.27
CS. 7	Centrally Sponsored Scheme—Provision for Life Saving Drugs	GOI: 50% State :50%	—	—	—	—	—	75.00	8.00
CS.8	Centrally Sponsored Scheme to provide financial assistance to Punjab State Poultry Dev. Corporation	GOI : 50% State : 50%	—	—	—	—	—	50.00	10.00
CS. 9	Centrally Sponsored Scheme Improvement of medium sized slaughter houses in large cities—Buffalo Slaughtering Plant	GOI : 50% State : 50%	—	—	—	—	—	69.20	—
	Grand Total ..		157.41	67.00	29.89	22.59	22.59	622.59	65.71

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT VI

CENTRALLY SPONSORED SCHEMES—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of Scheme	Pattern of sharing Expenditure (i.e. 50 : 50 100% etc.)	Sixth Plan Outlay 1980-85	Actual Expenditure 1980-83	Actual Expenditure 1983-84	1984-85		Seventh Plan 1985-90 Approved Outlay	1985-86 Approved Outlay	
					Allocation	Anti-Expenditure			
1	2	3	4	5	6	7	8	9	
IV. Fisheries									
CS. 1	Establishment of two 5 Hect. Fish Seed Farms for Fish Farmers Development Agencies, Ludhiana and Sangrur	GOI: 50% State : 50%	—	—	—	2.00	2.00	80.00	6.00
CS. 2	Establishment of two 10 Hect. Fish Seed Hatcheries	GOI : 70% State: 30%	—	—	—	3.00	3.00	100.00	5.00
CS. 3	Assistance to Fish Farmers Development Agencies, Gurdaspur, Jullundur, Amritsar Ludhiana and Sangrur	GOI: 50% State: 50%	20.00	17.50	10.00	10.00	10.00	120.00	10.00
Total			20.00	17.50	10.00	15.00	15.00	300.00	21.00
V. Forests									
CS. 1	Extension Training and Education in the State	50 : 50	—	—	—	—	—	50.00	3.00
CS. 2	Social Forestry including Rural Fuelwood Plantations	50 : 50	100.00	74.86	50.00	50.00	50.00	900.00	150.00
CS. 3	Soil Water and Tree Conservation in Himalayas (Operation Soil Watch)	100% (G. 0.1)	110.00	84.95	50.00	50.00	65.00	800.00	150.00
CS. 4	Establishment of Silvopastoral farms for Kandi areas	50: 50	—	—	—	—	—	10.00	1.00
CS. 5	Afforestation of Desert and Semi-Desert areas	100% (G. 0.1)	—	—	—	—	—	700.00	100.00
CS. 6	Assistance for development of selected Zoos	50: 50	—	2.00	1.85	2.00	1.15	10.00	2.00
CS. 7	Financial support to Agricultural University	100% (G. 0.1)	—	—	—	—	—	80.00	24.00
CS. 8	Integrated watershed Management in the Catchment of flood prone rivers	100% (G. 0.1)	25.00	—	—	—	—	—	—
Total			235.00	161.81	101.85	102.00	116.15	2550.00	430.00
VI. Community Development and Panchayats									
CS. 1	Strengthening of infrastructure under TRYSEM	50 : 50	—	3.57	3.07	2.00	2.00	10.00	2.00
CS. 2	R.L.E.G.P.	100%	—	—	—	675.00	488.70	5000.00	555.00
CS. 3	Monitoring cell at State HQ	50:50	—	—	0.73	1.50	0.62	17.00	1.90

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STATEMENT VI

CENTRALLY SPONSORED SCHEMES

OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of the Scheme	Pattern of sharing expenditure (i.e. 50:50) (100%etc)	Sixth Plan Outlay (1980—85)	Actual Expenditure 1980—83	Actual Expenditure 1983-84	1984-85		Seventh Plan 1985—90 Approved Outly	1985-86 Approved Outlay	
					Allo-cation	Anti-Expendi-ture			
1	2	3	4	5	6	7	8	9	
CS 4	National Project on demonstration of improved chullas in rural ares 100%	—	—	—	37.50	32.19	392.50	39.25	
CS 5	State Institute of Rural Develop-ment	50: 50	—	—	0.50	—	30.00	15.00	
CS 6	National Rural Employment Programme	50: 50	1625.00	548.00	275.00	324.00	319.93	1580.00	316.00
Total			1625.00	551.57	278.80	1040.50	843.44	7029.50	929.15

VII—CO-OPERATION

CS—1	Agriculture credit stabilisation Fund	G.O.I. 100%	50.00	19.00	75.00	50.00	50.00	500.00	200.00
CS—2	Assistance to Primary Co-operative Agri. Service Societies for construction of Godowns	—	232.02	83.17	10.46	—	—	—	—
CS—3	Assistance for distribution of consumer articles in rural areas	NCDC 100%	414.58	56.51	6.20	20.00	20.00	200.00	10.80
CS—4	Margin money as share capital contribution in Punjab Handloom Weavers Apex Co-operative Society for setting up of show-rooms-cum-sale centres	NCDC 100%	5.40	4.80	0.90	3.98	3.98	25.00	6.00
CS—5	Assistance for technical and Promotional Cell of various Apex Federations	NCDC 100%	8.70	1.69	1.10	2.24	2.24	15.00	3.00
CS—6	Assistance for preparation of Project reports and feasibility studies to Milkfed and Other State Federations	NCDC 100%	2.50	1.50	—	1.00	1.00	2.00	1.50
CS—7	Share capital participation for expansion and setting up of New Spinning Mills /Cotton Waste Spinning Mills	NCDC 22.5% State 22.5%	1145.32	810.80	217.25	38.10	38.10	871.00	176.00
CS—8	Assistance for expansion and Installation of New Co-operative Sugar Mills	NCDC 50% of 25% equity	1485.00	44.05	116.95	45.00	45.00	562.75	199.00
CS—9	Assistance as Share Capital for construction of Cold Storages	NCDC 25% State 20%	595.00	22.50	—	—	—	5.00	1.00
CS—10	Managerial subsidy to Handloom Apex Primary Societies	GOI 50%	25.35	4.13	1.50	1.50	1.50	7.00	1.00
CS—11	Share Capital contribution to Co-operative Handloom Apex Society and Primary Societies as equity base	GOI 50%	60.00	27.00	10.00	10.00	10.00	50.00	10.00

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STATEMENT VI

CENTRALLY SPONSORED SCHEMES

OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Name of the Scheme	Pattern of sharing of expenditure (i.e. 50: 50 100% etc.)	Sixth Five Year Plan (1980—85) Agreed outlay	1980--83	1983-84	1984-85		Seventh Plan 1985—90 Approved outlay	1985-86 Approved outlay	
			Actual Expenditure	Actual Expenditure	Allocation	Anticipated Expenditure			
1	2	3	4	5	6	7	8	9	
CS—12	Assistance to Handloom Processing Units for Modernisation and setting up Handloom Units	—	5.00	1.00	—	—	—	50.00	—
CS—13	Assistance to Handloom Apex/ Primary Societies as sales subsidy/rebate	GOI 50%	10.00	3.74	1.50	5.20	5.20	25.00	5.00
CS—14	Assistance for construction of godowns under NCDC II Project	NCDC 25% State 20%	728.68	309.96	198.75	150.00	150.00	578.75	150.00
CS—15	Assistance as loan and share capital for setting up processing units by Handloom Apex	State 15% NCDC 80%	108.00	41.00	—	2.16	2.16	5.00	1.00
CS—16	Assistance to Central Co-operative Banks and Primary Agriculture Service Societies as Risk Fund for consumption loan	GOI 50%	—	—	—	1.00	1.00	25.00	5.00
CS—17	Rehabilitation assistance to Consumer Stores	G.O.I. 50%	—	—	—	—	—	1.00	1.00
CS—18	National Grid for Rural Godowns	G.O.I. 50%	—	—	—	—	—	100.00	—
CS—19	Assistance to Punjab State Co-operative Land Mortgage Bank for development of long term structure	G.O.I. 50%	—	—	—	—	—	50.00	—
CS—20	Loan assistance to Markfed for setting up processing units	NCDC 65% State 26%	—	—	—	—	—	2671.50	221.00
CS—21	Assistance as share capital to Spinfed for setting up Central Laboratory for testing Cotton and yarn	NCDC 50%	—	—	—	—	—	24.00	—
CS—22	Margin money assistance to State Level Federations in developed States (Markfed)	GOI 100%	—	—	—	—	—	50.00	50.00
CS—23	Share Capital assistance/rehabilitation assistance to Primary Marketing Societies in developed States	GOI 100%	—	—	—	—	—	100.00	20.00
CS—24	Assistance to State Federation (Markfed) for price fluctuation fund	GOI 100%	—	—	—	—	—	250.00	50.00
CS—25	Margin money assistance to Coop. Farmers Service Centres (3000 centres @ 25000 per centre)	GOI 100%	—	—	—	—	—	750.00	150.00

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STATEMENT VI

CENTRALLY SPONSORED SCHEMES

OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing expenditure (i.e. 50:50 100% etc)	Sixth Five-Year Plan (1980-85) Agreed outlay	1980-83	1983-84	1984-85	Seventh Plan (1985-90) approved outlay	1985-86 Approved outlay		
			Actual Expenditure	Actual Expenditure	Allocation			Anticipated Expenditure	
1	2	3	4	5	6	7	8	9	
CS_26	Subsidy to PACS for opening of retail outlets and incentive to salesmen	GOI 100%	—	—	—	—	150.00	30.00	
CS_27	Training and manpower development	GOI 100%	—	—	—	—	4.00	1.00	
CS_28	Margin money assistance to Village Societies for distribution of consumer articles in Rural areas and assistance for rural consumer stores	GOI 100% & NCDC	—	—	—	—	125.00	25.00	
CS_29	IFFCO & KRIBHCO-NCDC Service Centres	NCDC 100%	—	—	—	—	2.00	0.50	
CS_30	Ad hoc provision as matching Central share for new Centrally Sponsored Schemes	GOI 50% State 50%	—	—	—	—	11.00	—	
Total			4875.55	1430.85	639.61	330.18	330.18	7210.00	1317.80
VII. MINOR IRRIGATION									
C.S. 1	Strengthening of ground Water (Minor Irrigation Organisation) Irrigation Department	50:50	7.50	2.91	—	—	—	—	
C.S. 2	Strengthening of ground water/surface water (Minor Irrigation Organisation) Agriculture Department	50:50	50.00	16.76	6.82	10.00	10.00	54.00	9.00
C.S. 3	Strengthening of ground Water/surface water (Minor Irrigation Organisation), Punjab State Tube Well Corporation	50:50	15.00	6.00	—	—	—	—	
C.S. 4	Centrally Sponsored Scheme for purchase of machinery (Punjab State Tubewell Corporation)	50:50	—	—	45.00	45.00	45.00	40.00	40.00
C.S. 5	Scheme for the improvement of Irrigation Statistics (Agriculture Department)	100%	5.70	0.66	0.99	1.87	1.87	10.75	2.00
C.S. 6	Flood Control— Counter protective measures on the right side of river Ravi	100%	—	—	153.50	200.00	20.00	150.00	150.00
Total			78.20	26.33	206.31	256.87	256.87	254.75	201.00

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STATEMENT VI

OUTLAY AND EXPENDITURE

CENTRALLY SPONSORED SCHEMES

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing Expenditure (i.e. 50:50 100% etc)	Sixth Plan Outlay 1980-85	Actual Exp. 1980-83	Actual Exp. 1983-84	1984-85		Seventh Plan 1985-90 Approved outlay	1985-86 Approved outlay
1	2	3	4	5	Allocation	Anticipated Exp.	8	9
POWER								
1. 220 KV Switching Sub-Station Dasuya	100%	—	243.05	5.00	25.21	25.00	—	—
2. Renovation of Power Stations GNDTP-Bhatinda (4) Units	—	—	—	—	—	282.18	663.00	663.00
Total Power	—	—	243.05	5.00	25.21	307.18	663.00	663.00
Installation of Bio-gas Plants/ Creating of Biogas Cell	100% subsidy on installation of Bio-gas Plants and on Staff for Six Districts	—	44.48	51.29	87.40	87.40	550.00	90.00
IX. INDUSTRY AND MINERALS								
1. C. S. 1 10—15% General Investments Subsidy	100%	550.00	150.31	60.00	60.00	60.00	300.00	60.00
2. C. S. 2 Engineering Entrepreneurs training programme (interest subsidy)	100%	10.00	2.08	2.00	2.00	2.00	10.00	2.00
3. C. S. 3 Setting up of Nucleus Cell for updating the census data	100%	16.50	4.92	3.13	3.60	3.60	23.00	4.00
4. C. S. 4 District Industries Centres	50:50	250.00	90.27	43.09	50.00	50.00	300.00	54.00
5. C. S. 5 Rebate on sale of handloom Cotton Cloth	50:50	—	—	4.00	9.00	9.00	50.00	8.00
6. C. S. 6 Punjab State Handloom	100%	—	—	—	50.00	50.00	175.00	35.00
7. C. S. 7 Incentives for quality Certification of SSI Products	50:50	—	—	—	0.50	0.50	21.00	3.00
8. Export Promotion Programme	—	12.02	12.02	—	—	—	—	—
9. Setting up of Processing House for Powerlooms	—	69.83	69.83	—	—	—	—	—
Total	—	908.35	329.43	112.22	175.10	175.10	879.00	166.00
X Education:								
CS 1 Taking over of N F C Scheme	(100%)	121.00	171.51	64.03	67.79	67.79	494.48	82.16
CS 2 Social Education Programme- Administrative structure for Adult Education at State level	(100%)	17.50	—	—	3.50	3.50	16.26	3.50
CS 3 Setting up of State Survey Unit	—	3.01	2.40	—	—	—	—	—
CS 4 Setting up an educational technology cell.	—	0.09	0.07	—	—	—	—	—
CS 5 Integrated education for physically handicapped persons	(100%)	8.52	0.05	3.54	3.54	3.54	11.39	3.82
CS 6 Population education project	(100%)	—	—	—	—	—	10.51	2.10
CS 7 Post literacy follow up under Rural functional literacy	(100%)	—	—	—	—	—	50.45	9.07

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AND ANNUAL PLAN 1985-86

STATEMENT VI

CENTRALLY SPONSORED SCHEMES

(OUTLAYS AND EXPENDITURE)

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing expenditure i.e. 50:50 100% etc. Centre: State	Sixth Plan	1980-83	1983-84	1984-85		Seventh Plan	1985-86	
		outlay (1980-85)	Actual Expenditure	Actual Expenditure	Outlay	Anticipated expenditure	Plan (1985-90) Approved outlay	Approved outlay	
1	2	3	4	5	6	7	8	9	
CS 8. Rural functional literacy project — Bhatinda and Faridkot	(100%)	—	—	—	—	—	87.80	17.26	
CS 9. Strengthening of administrative structure for implementation of adult education programme	(100%)	—	—	—	—	—	30.93	5.60	
CS 10. Setting up of 3 new in-service training centres	(100%)	—	—	—	—	—	89.48	15.00	
CS 11. Establishment of district centres of English	(100%)	—	—	—	—	—	15.00	3.00	
CS 12. Strengthening and improvement of Primary Education (UNICEF)	(100%)	—	—	—	—	—	5.00	1.00	
CS 13. National Merit Scholarships	(100%)	—	10.63	5.85	6.32	6.32	35.00	7.00	
CS 14. Scholarships for the study of Hindi in Non-Hindi speaking areas	(100%)	—	3.39	0.88	1.50	1.50	15.00	3.00	
CS 15. National Loan Scholarships	(100%)	—	2.71	1.44	3.00	3.00	15.00	3.00	
CS 16. Coaching for educational handicapped students belonging to minority communities	(100%)	—	—	—	—	—	28.00	5.6	
CS 17. Strengthening of sports facilities in Govt. Colleges	(100%)	—	—	—	—	—	97.00	21.5	
CS 18. National Service Scheme (NSS)	(7 : 5)	64.15	35.06	12.94	18.96	18.96	94.80	18.9	
CS 19. Promotion of Regional Languages (Punjab State University Text Book Board)	(100%)	60.64	1.02	3.45	24.86	24.86	80.00	10.5	
Total			274.91	240.84	92.13	129.47	129.47	1175.70	212.0
Science and Technology									
1. Subsidy on Solar Cookers	60:40	—	—	—	—	—	52.50	7.5	
2. Subsidy on Solar Heating System	50:50	—	—	—	—	—	35.00	5.0	
3. Subsidy on Institutional Bio-gas Plants	75:25	—	—	—	—	—	300.00	30.0	
Total			—	—	—	—	387.50	42.5	
XII. Public Health and Sanitation									
D.H.S.									
1. National Malaria Eradication Programme (Rural)	50:50	605.30	346.37	69.61	150.00	150.00	1750.00	313.4	

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT VI

Centrally-sponsored Schemes—Outlay and Expenditure

OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Name of Scheme	Pattern of sharing exp. (i.e. 50:50 or 100%)	Sixth Plan outlay 1980-85	Actual exp. 1980-83	Actual exp. 1983-84	1984-85		Seventh Plan (1985-90) Approved outlay	Annual Plan (1985-86) Approved outlay
					Alloca-tion	Antici-pated		
1	2	3	4	5	6	7	8	9
XII. Public Health and Sanitation D.H.S.								
1. National Malaria Eradication Programme ((Rural)	50:50	605.30	346.37	69.61	150.00	150.00	1750.00	313.00
2. National Malaria Eradication (Anti-larvel) Urban	50:50	77.20	43.74	16.62	25.00	22.75	250.00	49.75
3. National T.B. Control Programme	50:50	58.00	8.43	2.17	7.00	7.00	100.00	39.10
4. Training & Employment of Multipurpose Workers Scheme	50:50	60.00	17.38	1.62	8.50	8.50	132.00	26.40
5. Provision of Lab. Tech. at each PHC	50:50	—	—	—	—	—	60.00	5.00
6. Continuing education of PHC/Rural Health Staff (50% Recurring Exp.)	50.50	—	—	—	—	—	25.00	2.50
7. National Leprosy Control Programme	100%	8.00	2.09	—	4.45	4.45	30.00	5.00
8. National Programme for the control of Blindness	100%	45.00	0.96	6.74	15.65	15.65	120.45	19.75
9. Family Welfare Programme	100%	2292.96	1460.29	668.22	1211.12	1211.12	10626.80	2191.05
10. USAID Assisted Area Project	100%	944.97	203.50	130.86	454.15	454.15	130.00	130.00
11. Community Health Guides Schemes	100%	477.00	15.44	91.46	159.75	159.75	955.60	164.15
12. Continuing Education of PHC/Rural Health Staff (100% Non-recurring)	100%	—	—	—	—	—	37.80	12.50
13. Intensive Pilot Project in School Health Services	100%	—	—	—	—	—	17.00	8.30
14. Training of MPW (M) at Kharar	100%	—	—	—	—	—	36.00	7.20
15. Opening of three Lab. Technician Training Schools (Proposed)	100%	—	—	—	—	—	36.00	7.05
16. Opening of 5 MPW(M) Training Schools proposed extension of scheme given at Serial No. 14	100%	—	—	—	—	—	22.00	5.00
17. Universal Immunisation Coverage & Management of Diarrhoea diseases of pre-school children in selected area	100%	—	—	—	—	—	12.00	1.20
Total		4368.43	2098.20	987.30	2035.62	2033.37	14340.65	2986.95

Note :—(1) Provision on account of schemes at Sr. No. 12 to 16 in the Annual Plan/Budget 1985-86.

(2) The outlay on account of Family Welfare Programme has been modified due to inclusion of outlay for new components.

D.R.M.E

1. Visual Impairment for removing of Blindness (National Programme for control of Blindness) 100% Centrally Sponsored Scheme	100%	20.00	10.37	6.73	8.00	8.00	50.00	8.00
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SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN (1985-86)

STATEMENT VI

Centrally-sponsored Schemes—Outlay and Expenditure

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing Expd. (i.e. 50:50 or 100%)	Sixth Plan outlay 1980-85	Actual Expd. 1980-83	Actual Expd. 1983-84	1984-85		Seventh Plan (1985-90) Approved outlay	1985-86 Approved outlay
					Allocation	Anti. Exp.		
1	2	3	4	5	6	7	8	9
1. Assistance to Post-graduates in I.S.M. (100%)	100%	25.75	11.42	8.60	9.20	9.20	—	—
2. Upgradation of five more teaching departments to the level of Post-Graduate Departments besides continuation of two already upgraded Deptts. (MS.)	100%	—	—	—	—	—	65.00	16.20
3. Establishment ISM Pharmacies including Harbal farms on Modern Lines (100%)	100%	13.25	1.54	3.50	4.00	4.00	15.00	9.00
4. Establishment of drug standardisation laboratory at Patiala (MS.)	100%	—	—	—	—	—	10.00	2.00
Total	—	39.00	12.96	12.10	13.20	13.20	90.00	27.20
XIII. Rural Water Supply								
Accelerated Programme for rural water supply (ARP)	100%	458.50	301.75	334.09	276.00	466.28	4000.00	800.00
XIV. Urban Development								
UD-5 Integrated Development Programme of Small and Medium Towns	50%	400.00	195.00	65.00	50.00	80.50	600.00	100.00
Housing								
House Building Loans to Officers of All India Services	100%	—	—	—	—	—	100.00	18.00
XIV. Welfare of Scheduled Castes and Backward Classes								
CS 1. Grants for purchase of Medical and Engg. books	(50:50)	10.00	3.19	2.00	2.00	1.35	10.00	2.00
CS 2. Coaching and allied schemes:								
(a) Coaching for IAS/PCS & allied services/LIC & Banking	(50:50)	9.10	4.50	1.50	3.40	3.90	25.00	3.60
(b) Coaching for Stenography	(50:50)	—	—	—	—	—	12.00	2.50
CS 3. Girls Hostels	(50:50)	4.55	1.50	1.00	1.00	1.00	3.00	0.60
CS 4. Grant-in-aid to the Punjab Scheduled Castes Land Dev. and Finance Corporation for share capital contribution	(51:49)	196.00	294.00	147.00	49.00	49.00	245.00	24.50
CS 5. Grants to students studying in primary classes belonging to vulnerable groups & Vimukta Jatis	(50:50)	—	—	—	—	—	250.00	50.00
CS 6. Removal of Untouchability	(50:0)	—	—	—	—	—	10.00	2.00
CS 7. Post-Matric Scholarships to S.C. students	(100%)	42.50	72.04	35.00	38.50	38.50	400.00	80.00
Total	—	262.15	375.23	186.50	93.90	93.75	955.00	165.20

SEVENTH FIVE-YEAR PLAN (1985—90)

AND ANNUAL PLAN (1985-86)

STATEMENT VI

Centrally-sponsored Schemes — Outlays and Expenditure

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing Expd. (i.e. 50:50 or 100%)	Sixth Plan outlay 1980—85	Actual Expd. 1980—83	Actual Expd. 1983-84	1984-85		Seventh Plan (1985—90) Approved outlay	1985-86 outlay
					Alloca- tion	Anti. Exp.		
1	2	3	4	5	6	7	8	9
XV. Social Welfare								
CS 1. Services for children in need of care and protection	(50:50)	8.00	0.73	0.26	1.00	1.00	3.00	0.60
CS 2. Functional literacy for adult women	(100%)	76.11	17.12	21.29	56.00	56.00	—	—
Total		84.11	17.85	21.55	57.00	57.00	3.00	0.60

**SEVENTH FIVE YEAR PLAN (1985-90)
AND ANNUAL PLAN (1985-86)**

STATEMENT TPP- I

20-POINT PROGRAMME - OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980-85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved Outlay
					Outlay	Anti-cipated Expenditure		
1	2	3	4	5	6	7	8	9
1. Increase irrigation potential, develop and disseminate technologies and inputs for dry land agriculture								
	(i) Major and Medium Irrigation ..	31733.00	13045.73	4028.38	4160.00	3740.00	27078.00	4923.00
	(ii) CAD (Lining of Water Courses) ..	3881.00	1917.00	580.00	575.00	900.00	1600.00	600.00
	(iii) Minor Irrigation ..	1745.00	507.47	270.68	415.00	429.10	4622.00	622.00
	I B Dry Land Farming ..	—	—	—	—	—	100.00	15.00
	Total I ..	37359.00	15470.20	4879.06	5150.00	5069.10	33400.00	6160.00
Centrally Sponsored Schemes								
CS 1	Strengthening of ground water/surface water (Minor Irrigation) Organisation (Agriculture Department) ..	50.00	16.76	6.82	10.00	10.00	54.00	9.00
CS 2	Strengthening of ground water/surface water (Minor Irrigation) Organisation (Punjab State Tubewell Corporation) ..	15.00	6.00	—	—	—	—	—
CS 3	Centrally Sponsored Scheme for purchase of machinery PSTC ..	—	—	—	—	—	40.00	40.00
CS 4	IB Dry Land Farming ..	—	—	—	—	—	100.00	15.00
	Total II ..	65.00	22.76	6.82	10.00	10.00	194.00	64.00
	Total Point 1 ..	37424.00	15492.96	4885.88	5160.00	5079.10	33594.00	6224.00
2. Make special efforts to increase production of pulses and vegetable oilseeds								
A(P) 8.5	Intensive Oilseeds Development Programme (sharing basis) ..	25.00	7.88	4.58	9.00	—	Made as 100 per cent C.S.S. as National Oil Seed Development Project	
A(P) 8.4	Intensive Pulses Development Programme (sharing basis) ..	20.00	5.72	3.20	5.00	3.85	25.00	4.50
	Total I ..	45.00	13.60	7.78	14.00	3.85	25.00	4.50
Centrally Sponsored Schemes								
CS 4	Intensive Oilseeds Development Programme (National Oilseed Development Project) ..	80.00	36.35	14.61	32.40	27.23	165.00	31.00
CS 5	Intensive Pulses Development Programme ..	35.00	12.83	4.64	7.00	5.65	35.00	6.50
	Total II ..	115.00	49.18	19.25	39.40	32.88	200.00	37.50
	Total Point 2 ..	160.00	62.78	27.03	53.40	36.73	225.00	42.00

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT TPP-I

20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980—85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
3. Strengthen and expand coverage of Integrated Rural Development and National Rural Employment Programme								
Integrated Rural Development Programme								
CD 4-1	Assistance to Rural Development Agencies	1975.00	1131.58	483.25	472.00	472.00	1057.00	300.00
CD 4-3	Interest Subsidy on loans to be advanced to the Economically Weaker Sections under IRD in rural areas	—	25.50	100.00	108.00	111.71	2000.00	100.00
CD 4-4	Strengthening of infrastructure under TRYSEM	—	3.57	2.50	2.00	2.00	10.00	2.00
National Rural Employment Programme								
	National Rural Employment Programme	1625.00	502.12	275.00	324.00	316.00	1580.00	316.00
AH 5-3	Assistance to Small Marginal Farmers and Agricultural Labourers for rearing of crossbred heifers	—	35.28	10.17	11.37	11.37	92.29	10.00
AH 9-2	Kandi Watershed Area Development Project	406.30	54.01	53.81	45.00	45.00	295.00	60.00
AH 5-8	Implementation of Poultry, Piggery and Sheep Production Programme through Small Marginal Farmers and Agriculture Labourers	—	15.98	2.44	4.81	4.94	50.11	6.00
Total I		4006.30	1768.04	947.17	967.18	963.02	5084.40	794.00
Centrally Sponsored Schemes								
CS 1	Assistance to Rural Development Agencies	1975.00	1131.58	483.25	472.00	472.00	1057.00	300.00
CS 2	National Rural Employment Programme	1625.00	502.12	275.00	324.00	316.00	1580.00	316.00
CS 3	Assistance to Small/Marginal Farmers and Agricultural Labourers for rearing of crossbred heifers	72.00	35.28	10.17	11.37	11.37	92.29	10.00
CS 4	Strengthening of Infrastructure under TRYSEM	—	3.57	2.50	2.00	2.00	10.00	2.00
CS 5	Implementation of Poultry, Piggery and Sheep Production Programme through Small/Marginal Farmers and Agricultural Labourers	70.00	15.98	2.44	4.81	4.94	50.11	6.00
CS 6	Rural Landless and Employment Guarantee Programme	—	—	—	675.00	1215.00	5000.00	555.00
Total II		3742.00	1688.53	773.36	1489.18	2021.31	7789.40	1189.00
Total Point 3		7748.30	3456.57	1720.53	2456.36	2984.33	12873.80	1983.00

SEVENTH FIVE-YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT—TPPI

20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980-85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
5. Review and effectively enforce minimum wages for agricultural labour								
L.W. 1.1	Setting up of enforcement machinery for welfare of agricultural labour ..	3.43	3.32	3.60	3.50	5.50	5.00	1.00
L.W. 2.1	Strengthening of enforcement machinery for Minimum Wages Act, 1948 ..	8.27	2.80	2.94	3.00	3.55	5.00	1.00
Total Point 5 ..		11.70	6.12	6.54	6.50	9.05	10.00	2.00
7. Accelerate Programmes for the Development of Scheduled Castes and Tribes								
S.C. 1.1	Free books and stationary to Scheduled Caste students ..	238.28	107.00	60.00	60.00	60.00	570.00	80.00
S.C. 1.2(a)	Grant for the purchase of Medical and Engineering books (State Share) ..	10.00	3.19	2.00	2.00	1.35	10.00	2.00
	(b) Grant for the purchase of Law Books ..	2.90	1.30	—	0.60	0.40	3.00	0.60
S.C. 1.3	(a) Technical Training in Industrial Trades ..	94.53	23.90	7.90	15.00	8.00	40.00	6.00
	(b) Construction of an advanced ITI ..	—	—	—	—	—	20.00	1.00
S.C. 1.4	Grants to SC girl students studying in post-matric and post-graduate classes ..	72.00	22.45	12.75	13.00	13.00	143.00	20.00
S.C. 1.5	Coaching and Allied Schemes ..							
	(a) Coaching for I.A.S./P.C.S. ..	9.10	4.50	1.40	3.40	3.90	25.00	3.60
	(b) Coaching for stenography ..	12.20	2.45	2.00	4.00	4.00	12.00	2.50
	(c) Construction of Residential Institute ..	—	—	—	—	—	35.00	0.10
S.C. 1.6	Girls Hostels (State Share) ..	4.55	1.50	1.00	1.00	1.00	3.00	0.60
S.C. 1.7	Imparting of Industrial training to Scheduled Caste women ..	72.15	5.43	3.00	5.00	5.00	—	—
S.C. 1.8	Grant to scheduled caste students studying in Medical and Engineering Colleges ..	—	—	14.40	14.00	14.00	80.00	14.30
S.C. 1.9	Awards for brilliant scheduled caste students ..	—	—	—	1.00	7.00	100.00	14.00
S.C. 1.10	Grants to Primary students of parents engaged in uncleaned occupations ..	—	—	—	20.00	—	250.00	50.00
S.C. 1.12	B. Ed. and J.B.T. training to scheduled caste Graduates and Matriculates ..	61.05	1.18	—	—	—	—	—
S.C. 1.11	Coaching to S.C. students ..	103.75	13.81	—	—	—	10.00	1.50
S.C. 1.13	Opportunity Cost for primary girl students ..	—	—	—	—	—	374.00	48.30
S.C. 2.1	Subsidy for the purchase of :							
	(a) Agricultural land/wells, stamp duty ..	75.70	16.19	8.70	12.40	6.14	—	—
	(b) Land for fodder and small industries units ..	—	—	—	—	—	100.00	10.00

SEVENTH-FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT-TPP-1

20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980—85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		(1985-90) Seventh Plan Approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
S.C. 2.2	Share capital contribution to Punjab Backward Classes Land Development and Finance Corporation—Share Capital ..	80.00	141.00	20.00	20.00	20.00	100.00	20.00
S.C. 2.3	Punjab Scheduled Caste Land Development and Finance Corporation—Share Capital (State Share) ..	204.00	306.00	153.00	51.00	51.00	255.00	25.50
S.C. 2.4	Interest Subsidy for :							
	(a) Scheduled Castes ..	574.65	135.00	50.00	5.00	5.00	300.00	40.00
	(b) Backward Classes ..	190.60	45.00	40.00	44.00	44.00	145.00	40.00
S.C. 2.5	Issue of Yellow Cards ..	—	18.03	—	0.50	4.80	5.00	1.00
S.C. 3.1	Construction of Dharmshalas/Chaupals ..	258.30	99.68	10.00	10.00	10.00	150.00	20.00
S.C. 3.2	Environmental Improvement of Harijan Basties including drinking water ..	658.39	276.05	140.01	149.00	149.00	650.00	82.00
S.C. 3.3	Grant to sweepers, scavengers, flayers and tanners for construction of houses ..	170.90	85.12	40.00	40.00	40.00	60.00	10.00
S.C. 3.4	Removal of untouchability (State Share) ..	—	—	—	—	—	10.00	2.00
S.C. 3.5	Legal Aid ..	1.50	0.13	0.07	0.10	0.14	—	—
S.C. 3.6	Assistance to Scheduled Castes for development of manurial pits ..	150.00	41.53	23.61	10.00	5.00	—	—
S.C. 4.1	Construction of houses for Vimukat Jaties ..	85.45	41.76	24.00	14.00	14.00	50.00	5.00
	Total I ..	3200.00	1392.20	614.94	495.00	466.73	3500.00	500.00
	Centrally-sponsored Schemes							
C.S. 1.	Grant for the purchase of Medical and Engineering books ..	10.00	3.19	2.00	2.00	1.35	10.00	2.00
C.S. 2.	I.A.S. Coaching Centre ..	9.10	4.50	1.50	3.40	3.90	25.00	3.60
S.C. 3.	Girls Hostels ..	4.55	1.50	1.00	1.00	1.00	3.00	0.60
S.C. 4.	Coaching for Stenography ..	—	—	—	—	—	12.00	2.50
C.S. 5.	Grant-in-aid to Punjab Scheduled Caste Land Development & Finance Corporation (49 per cent) ..	196.00	294.00	147.00	49.00	49.00	245.00	24.50
C.S. 6.	Removal of Untouchability ..	—	—	—	—	—	10.00	20.00
C.S. 7.	Coaching to S.C. students ..	—	—	—	—	—	10.00	1.50
C.S. 8.	Post-Matric Scholarships to Scheduled Caste students ..	42.50	72.04	35.00	38.50	38.50	457.00	80.00
C.S. 9.	Opportunity cost for Pry. girl students ..	—	—	—	—	—	374.00	48.30
	Special Central Assistance to Scheduled Castes ..	—	356.89	536.91	525.00	637.44	3388.92	639.20
	Total : II ..	262.15	732.12	723.41	618.90	731.19	4534.92	854.20
	Total Point 7 ..	3462.15	2124.32	1338.35	1113.90	1197.92	8034.92	1354.20

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT TPP-I

20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980-85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved outlay	1985-86 Approved outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
8. Supply drinking water to all problem villages								
RWS-I	Rural Water Supply (MNP)	6800.00	1143.11	594.12	1000.00	1000.00	7000.00	1000.00
	Total I	6800.00	1143.11	594.12	1000.00	1000.00	7000.00	1000.00
Centrally Sponsored Scheme								
CS	Accelerated Rural Water Supply Programme	458.50	301.75	334.09	150.00	466.28	4000.00	800.00
	Total II	458.50	301.75	334.09	150.00	466.28	4000.00	800.00
	Total Point 8	7258.50	1444.86	928.21	1150.00	1466.28	11000.00	1800.00
9 Allot house sites to rural families who are without them and expand programmes for construction assistance to them.								
HG 2.2	Houses for Rural Homeless	1200.00	740.00	311.00	120.37	104.17	324.00	74.00
	Total Point 9	1200.00	740.00	311.00	120.37	104.17	324.00	74.00
10. Improve the environment of slums Implement programmes of house building for economically weaker sections and take measures to arrest unwarranted increase in land prices								
UD	Environment improvement of slums	500.00	179.00	80.00	31.00	31.00	500.00	31.00
HG 2.1	Subsidised industrial housing	50.00	8.36	2.35	15.00	15.00	75.00	15.00
HG 2.3	Loans for low-income groups	300.00	131.35	10.00	80.00	80.00	100.00	10.00
HG 2.7	Village Housing Project	170.00	132.00	9.00	10.00	10.00	100.00	10.00
HG 3.1	Contribution to Housing Board	250.00	100.00	80.00	80.00	80.00	500.00	80.00
CN 3.1	Assistance to Housing Societies/Housing Federation for Margin Money and Managerial subsidy	25.00	20.50	10.00	10.00	10.00	200.00	10.00
	Total Point 10	1295.00	571.21	191.35	226.00	226.00	1475.00	156.00
11 Maximise power generation, improve the functioning of electricity authorities and electrify all villages								
	(i) Power Generation	42060.00	28901.74	17191.00	14501.90	14498.90	114250.00	18719.00
	(ii) Transmission and Distribution	23500.00	11411.00	3494.00	4685.00	4685.00	43871.00	4800.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP-I

20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980-85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved Outlay	1985-86 Approved outlay
1	2	3	4	5	Outlay	Anticipated Expenditure	8	9
	(iii) Rural Electrification	7134.00	3858.00	690.00	200.00	182.00	5429.00	891.00
	(iv) Power Development	600.00	81.86	30.00	141.00	141.00	250.00	30.00
	Total I	73294.00	44252.60	21405.00	19527.90	19506.90	163800.00	24440.00
	Centrally Sponsored Schemes							
CSI 220	K.V, Dasuya Switching Sub-Station	—	243.05	5.00	25.21	25.00	—	—
CS 2	Renovation and Modification of GNDTP Bhatinda (4 units)	—	—	—	—	282.18	663.00	663.00
	Total II	—	243.05	5.00	25.21	307.18	663.00	663.00
	Total Point 11	73294.00	44495.65	21410.00	19553.11	19814.08	164463.00	25103.00
	12 Pursue vigorously programmes of afforestation, social and farm forestry and the development of bio-gas and other alternative energy sources							
FT 3.1	Raising of industrial plantation on community lands	170.00	105.80	8.00	5.00	5.00	—	—
FT 3.2	Social forestry including rural fuel wood plantations (sharing basis)	100.00	74.87	84.00	80.00	80.00	900.00	150.00
FT 3.3	Raising of Forest Plantations in Government lands	410.00	283.99	180.20	179.00	179.46	680.00	162.00
FT 3.4	Soil Water and Tree conservation in Himalayas	110.00	34.95	—	—	—	—	—
FT 3.6	Environmental Forestry	20.00	10.00	5.00	—	—	—	—
FT 3.7	Farm Forestry	160.00	103.80	69.60	100.00	100.00	400.00	60.00
FT 3.8	Establishment of Silvi pastural farms for kandi areas	—	—	—	—	—	10.00	1.00
SC(F) 4.2	Kandi Water shed & Area Development Project (Forest Part)	611.00	209.66	185.00	245.34	230.34	1400.00	230.00
SC(F) 4.1	Soil and Water Conservation on forest lands in kandi non-project areas	32.00	19.58	11.66	11.66	11.66	70.00	13.00
	Total I	1613.00	842.65	543.46	621.00	606.46	3460.00	616.00
	Centrally Sponsored Schemes							
CS 1	Social forestry including rural fuel-wood plantations (50 : 50 sharing basis)	100.00	74.86	50.00	50.00	50.00	900.00	150.00
CS 2	Soil water and tree conservation in Himalayas (100% CS)	110.00	84.95	50.00	50.00	65.00	800.00	150.00

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP—I

20—POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan	1980-83	1983-84	1984-85		Seventh Plan	1985-86	
		Outlay (1985-90)	Actual Expenditure	Actual Expenditure	Outlay	Anti-cipated Expenditure	(1985-90) Approved outlay	Approved outlay	
1	2	3	4	5	6	7	8	9	
CS 3	Establishment of Silvipastural farms for Kandi areas (50 : 50)	—	—	—	—	—	10.00	1.00	
CS 4	Afforestation of desert and semi-desert areas (100% C.S.)	—	—	—	—	—	700.00	100.00	
	Total II	210.00	159.81	100.00	100.00	115.00	2410.00	401.00	
	Total I+II	1823.00	1002.46	643.46	721.00	721.46	5870.00	1017.00	
	Development of Bio-gas								
	Installation of Bio-gas Plants Gobar Gas Plants	30.00	28.96	0.46	5.00	4.20	39.00	5.00	
	New and renewable sources of energy	—	—	—	—	—	451.00	64.00	
	Total III	30.00	28.96	0.46	5.00	4.20	490.00	69.00	
	Centrally Sponsored Scheme								
CS	Installation of Bio-gas Plants	—	44.48	51.29	87.40	87.40	550.00	90.00	
	New and renewable sources of energy	—	—	—	—	—	387.50	42.50	
	Total IV	—	44.48	51.29	87.40	87.40	937.50	132.50	
	Total III+IV	30.00	73.44	51.75	92.40	91.60	1427.50	201.50	
	Total Point 12	1853.00	1075.90	695.21	813.40	813.06	7297.50	1218.50	
	13. Promote Family Planning on a voluntary basis as a people's movement								
PH 5.11	Grant of additional incentives compensation out of State funds to accepters of sterilisation	—	93.48	66.35	65.00	65.00	300.00	65.00	
PH 5.14	Pay of Dai's	—	7.50	8.00	12.00	12.00	—	—	
	Total I	—	100.98	74.35	77.00	77.00	300.00	65.00	
	Centrally Sponsored Schemes								
	Family Welfare Programme	2092.96	1460.29	668.22	1211.12	1211.12	7952.80	2191.05	
	Total : II	2092.96	1460.29	668.22	1211.12	1211.12	7952.80	2191.05	
	Total Point : 13	2092.96	1561.27	742.57	1288.12	1288.12	8252.80	2256.05	

SEVENTH FIVE YEAR PLAN (1985-90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP-I

20—POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of Scheme/Programme	Sixth Plan Outlay (1980-85)	1980-83	1983-84	1984-85		Seventh Plan (1985-90) Approved outlay	1985-86 Approved outlay
			Actual Expenditure	Actual Expenditure	Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
14. Substantially augment universal Primary Health Care facilities and control of leprosy T.B. and Blindness								
PH 1.1	Completion and improvement of Primary Health Centres ..	48.00	44.51	8.35	32.50	28.10	1630.00	40.00
PH 1.2	Completion and improvement of sub-centres ..	273.00	29.77	10.37	10.20	10.20	836.15	11.70
PH 1.3	Opening of Subsidiary Health centres in rural areas ..	995.00	755.93	451.06	480.00	554.67	—	—
PH 3.1	Opening of new dispensaries in slum areas/ suitable urban places ..	50.00	26.94	14.93	16.00	21.35	50.00	2.00
PH 4.6	Training and employment of multipurpose workers schemes (State Share) ..	60.00	20.38	1.62	8.50	6.13	132.00	26.40
PH 5.7	Opening of psychiatric clinics at District Level ..	—	—	—	—	—	10.00	1.50
MD 5.1	Augmentation of training facilities of para medical staff ..	25.00	1.42	1.37	5.00	1.60	—	—
PH 5.20	Strengthening of school health clinics ..	—	—	—	—	—	36.30	3.60
PH 6.1	E.S.I. Schemes ..	62.00	25.29	12.05	18.75	18.75	75.00	10.00
AY 1.1	Strengthening of existing I.S.M. dispensaries ..	32.89	10.25	1.34	1.50	—	12.12	3.20
AY 1.2	Opening of I.S.M. dispensaries ..	107.40	58.50	26.82	25.40	31.10	32.14	3.24
HM 1.2	Opening of Homoeopathy dispensaries ..	32.45	13.77	9.13	16.50	16.50	90.00	10.05
PH 4.1	National Malaria Eradication Programme (Rural) ..	605.30	346.37	69.61	150.00	152.15	1750.00	313.00
PH 4.2	National Malaria Eradication Programme (Antilarvel) ..	77.20	45.35	16.62	25.00	22.75	250.00	49.75
PH 4.3	National T.B. Control Programme ..	58.00	11.48	2.17	7.00	7.00	100.00	39.10
	Total : I ..	2426.24	1389.96	625.44	796.35	870.30	5003.71	513.54
Centrally Sponsored Schemes								
CS 1	Visual impairment and prevention of blindness ..	20.00	10.37	—	8.00	8.00	—	—
CS 2	National Malaria Eradication Programme (Rural) ..	605.30	346.37	69.61	150.00	152.15	1750.00	313.00
CS 3	National Malaria Eradication Programme (Anti Larvel) ..	77.20	45.35	16.62	25.00	22.75	250.00	49.75
CS 4	National T.B. Control Programme ..	58.00	8.43	2.17	7.00	7.00	100.00	18.30
CS 5	National Leprosy Control Programme ..	8.00	2.09	—	4.45	4.45	30.00	5.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP—1

20—POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No. (Code)	Name of the Scheme/Programme	Sixth Plan outlay (1980—85)	1980—83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan (1985—90) approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipa- ted expen- diture		
1	2	3	4	5	6	7	8	9
CS 6	National programme for control of visual impairment and blindness including Trachoma	45.00	0.96	6.74	15.65	15.65	120.45	19.75
CS 7	Training and employment of multi-purpose workers schemes	60.00	17.38	1.62	8.50	8.50	132.00	26.40
CS 12	Community Health Guides	477.40	15.44	91.40	159.72	159.72	955.60	164.15
CS 11	USAID assisted area project	944.97	203.50	130.86	454.15	454.15	130.00	130.00
	Total : II	2295.87	648.28	319.02	832.47	832.37	3468.05	747.15
	Total Point : 14	4722.11	2038.24	944.46	1628.82	1702.67	8471.76	1260.69
15 Accelerate Programmes of Welfare for women and children and nutrition programme for pregnant women, nursing mothers and children specially in tribal hills and backward areas								
CD 2.2	Promotion and strengthening of Mahila Mandals	40.00	27.98	19.80	8.12	8.12	40.60	8.12
CD 3.2	Composite Programme for women and pre-school children strengthening of craft centres	27.50	16.04	5.50	8.76	8.76	56.00	11.20
CD 4.5	Development of women and children in rural areas	—	—	—	0.50	2.01	100.00	10.00
SW 2.1	Assistance to dependent children	123.00	50.76	24.61	25.00	25.00	60.00	11.40
SW 2.2	Construction of certified schools	31.20	10.42	4.95	5.00	5.00	50.00	15.00
SW 2.3	Services for children in need of care and Protection	8.00	0.73	0.26	1.00	1.00	3.00	0.60
SW 2.4	Financial assistance to widows and destitute women	195.00	88.75	89.50	95.81	81.30	145.00	20.00
SW 2.5	Homes for widows and destitute women	4.00	0.54	0.25	0.70	0.45	3.00	0.60
SW 2.6	Share capital to Punjab women and children Development Corporation	80.00	35.00	24.00	24.00	24.00	125.00	25.00
SW 2.7	Interest Subsidy to PUNWAC	—	10.00	1.00	1.00	1.00	25.00	4.00
	Special Nutrition Programme	80.00	34.94	44.70	76.00	68.00	165.00	252.00
		588.70	275.16	214.57	245.89	224.64	2251.60	357.92
Centrally Sponsored Schemes								
CS 1	Functional literacy	76.11	17.12	21.29	56.00	56.00	—	—
CS 3	Services for children in need of care and protection	8.00	0.73	0.26	1.00	1.00	3.00	0.60

**SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86**

STATEMENT TPP-I

20—POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No. (Code)	Name of the Scheme/Programme	Sixth Plan	1980—83	1983-84	1984-85		Seventh.	1985-86
		Outlay (1980—85)	Actual Expendi- ture	Actual Expendi- ture	Outlay	Anticipa- ted Expen- ture	Plan (1985—90) Approved Outlay	Approved Outlay
1	2	3	4	5	6	7	8	9
CS 4	National Project on demonstration of improved chullahs in rural Areas ..	—	—	—	—	—	392.50	39.25
	Total II ..	84.11	17.85	21.55	57.00	57.00	395.50	39.85
	Total Point : 15 ..	672.81	293.01	236.12	302.89	281.64	2653.71	399.77
16	Spread universal elementary education for the age group 6—14 with special emphasis on girls and simultaneously involve students and voluntary agencies in programmes for the removal of adult literacy							
	Facilities for children in age group (6—11)	726.00	290.79	102.88	104.05	102.28	1336.00	176.55
	Facilities for children in age group (11—14) ..	1386.05	690.87	396.31	416.38	416.19	1488.00	215.75
	Adult Education ..	100.00	—	—	2.00	2.00	500.00	10.00
	Total I ..	2212.05	981.66	499.19	522.43	520.47	3324.00	402.30
	Centrally Sponsored Schemes							
	(i) Creation of administrative structure for adult education of State level ..	17.50	—	—	2.00	3.50	16.26	3.50
	(ii) Post literacy follow up under Rural Functional literacy ..	—	—	—	—	—	50.05	9.07
	(iii) Rural Functional literacy Projects at Bhatinda and Faridkot ..	—	—	—	—	—	87.80	17.26
	(iv) Strengthening of Administrative structure for implementation of Adult education Programme ..	—	—	—	—	—	30.93	5.60
	Total II ..	17.50	—	—	2.00	3.50	185.04	35.43
	Total Point : 16 ..	2229.55	981.66	499.19	524.43	523.97	3509.04	437.73
17.	Expand the Public Distribution System through more fair price shops including mobiles shops in far flung areas in the shops to cater Industrial workers, students, hostels and make available to students text-books and exercise books on a priority basis and to promote a strong consumers protection Movement ..							
CN 10.1	Contribution to share capital of Central Consumers Stores and State Co-operative Consumers Federations ..	20.00	17.40	4.00	4.00	4.00	25.00	5.00
DM 4.1	Supply of subsidized milk to the weaker sections of the society ..	25.00	15.00	5.00	5.00	5.00	—	—
ED 16.2	Promotion of Regional Languages Punjab State University Text Books Board ..	44.62	19.05	9.76	9.76	9.76	20.00	2.50

SEVENTH FIVE YEAR PLAN (1985—90)
AND ANNUAL PLAN 1985-86
STATEMENT TPP—I
20-POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay (1980—85)	1980—83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985—90) Approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
CN	Assistance to State Coop. for Rehabilitation of weak consumers stores	—	—	—	—	—	1.00	0.50
	Total I	89.62	51.45	18.76	18.76	18.76	46.00	8.00
	Centrally Sponsored Schemes							
CS 1	Margin Money assistance to village societies	—	—	—	—	—	50.00	25.00
CS 2	Assistance for distribution of consumer articles in rural areas	414.58	56.51	6.20	20.00	20.00	200.00	10.80
CS 3	Rehabilitation Assistance to Consumer Stores	—	—	—	—	—	20.00	1.00
CS 11	Promotion of Regional Languages Punjab State University Text Books Board	60.64	15.02	3.45	24.86	24.86	20.00	10.50
	Total II	475.22	71.53	9.65	44.86	44.86	290.00	47.30
	Total Point 17	564.84	122.98	28.41	63.62	63.62	336.00	55.30
	18. Liberalise investment procedures and streamline industrial policies to ensure timely completion of projects. Give Handicrafts, Handlooms, Small and Village Industries all facilities to grow and to up-date their technology							
CN 10.1	Participation in the share capital of Industrial Co-operatives including Federation and Unions	25.00	15.00	5.00	5.00	5.00	5.00	1.00
CN 10.2	Assistance as share capital and Managerial subsidy to Apex Handloom and Primary Handloom Weavers Cooperative Societies	51.00	28.70	11.50	11.50	11.50	57.00	11.00
CN 10.3	Subsidy to Central Co-operative Banks for advancing loans to industrial Co-operatives including Handloom Weavers Cooperative Societies at concessional rate of interest	10.00	2.35	0.50	0.28	0.28	1.00	0.01
CN 10.4	Subsidy to Punjab State Apex Handloom Cooperative Societies for rebate on cloth sale/managerial expenses	15.00	6.44	2.50	5.20	5.20	25.00	4.99
CN 10.7	Subsidy to Industrial Cooperative for employing craft teachers	4.25	3.25	0.50	0.50	0.50	—	—
CN 10.6	Financial assistance to Punjab State Apex Handloom Cooperative Societies for setting up of processing units	50.00	18.85	—	0.41	0.41	5.00	1.00
IN 2.1	District Industries Centre	250.00	90.27	43.09	50.00	49.35	300.00	54.00
IN 2.3	State Capital Subsidy	225.00	107.16	215.00	300.00	250.00	2000.00	275.00
IN 2.7	Sewing Machine Development Centre Ludhiana	60.00	23.91	28.30	20.00	18.50	30.00	2.00
IN 2.9	Modernisation of Small Scale Industries	40.00	9.39	0.50	2.00	1.72	75.00	10.00
IN 2.10	Research and Development Centre for Bicycle Ludhiana	80.00	23.78	20.54	30.00	29.00	30.00	2.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP—I

20—POINT PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Plan Outlay 1980-85	1980-83 Actual Expendi- ture	1983-84 Actual Expendi- ture	1984-85		Seventh Plan (1985—90) Approved Outlay	1985-86 Approved Outlay
					Outlay	Anticipa- ted Ex- penditure		
1	2	3	4	5	6	7	8	9
IN 2.13	Effluent treatment plant in various IDC's ..	—	—	—	—	—	30.00	10.00
IN 2.26	Marketing Assistance Programme							
	(i) Export Award ..	2.30	0.90	0.50	0.50	0.50	4.00	0.50
	(ii) Participation in Industrial Fairs ..	21.00	5.02	1.50	3.80	3.80	22.00	4.50
	(iii) Trade Centre ..	16.00	—	—	0.50	0.50	5.00	0.50
	Handloom Industries							
IN 3.1	(i) Rebate on sale of Handloom Cloth ..	18.00	7.51	4.00	9.00	9.00	50.00	8.00
	(ii) Strengthening of SASMIRA Centre ..	—	—	—	1.00	—	10.00	2.00
IN 3.2	Punjab State Handloom and Textile Develop- ment Corporation ..	100.00	169.00	75.00	1.00	1.00	100.00	5.00
IN 3.3	Punjab State Hosiery and Knitwear Develop- ment Corporation ..	125.00	54.00	25.00	80.00	80.00	20.00	8.00
IN 4.1	Punjab State Leather Development Corporation	500.00	56.90	20.00	30.00	30.00	200.00	30.00
	Development of Handicraft Industry							
IN 5.1	Development of Handicraft ..	20.00	5.87	3.37	5.00	3.50	25.00	5.00
IN 8.1	Punjab Financial Corporation ..	100.00	55.00	100.00	1.00	1.00	450.00	50.00
IN 11.1	Focal Growth Points—Incentive to New Industries							
	(i) Interest Free Loans ..	1015.00	410.20	269.98	402.00	461.00	2500.00	500.00
	(ii) Re-imbursement of Octroi/Terminal tax	35.00	10.50	10.00	10.00	10.00	200.00	45.00
	(v) Feasibility Reports ..	8.00	0.94	—	1.00	1.00	—	—
	(iii) Subsidy to Punjab Alkalies Ltd. ..	49.50	104.55	40.00	42.00	92.00	250.00	50.00
	Total ..	2520.05	1209.49	876.78	1006.69	1064.76	6394.00	1079.50
	Total dropped Schemes ..	293.20	165.08	48.67	20.50	20.50	—	—
	Total—I ..	2813.25	1374.57	925.45	1027.19	1085.26	6394.00	1079.50
	Centrally Sponsored Schemes—Cooperation :							
CS 4	Margin money as share capital contribution to Punjab Handloom Weavers Apex. Coope- rative Societies for setting up showrooms-cum- sale centres ..	5.40	4.80	0.90	3.98	3.98	25.00	6.00
CS 10	Managerial subsidy to Handloom Apex/Primary Societies ..	25.35	4.13	1.50	1.50	1.50	7.00	1.00
CS 11	Share capital contribution to Co-operative Handloom Apex Society and Primary Societies as equity base ..	60.00	27.00	10.00	10.00	10.00	50.00	10.00

SEVENTH FIVE YEAR PLAN (1985—90)

AND ANNUAL PLAN 1985-86

STATEMENT TPP-I

20 POINT PROGRAMME — OUTLAYS AND EXPENDITURE

Point No.	Item	Sixth Plan Outlay (1980-85)	1980-83 Actual Expenditure	1983-84 Actual Expenditure	1984-85		Seventh Plan (1985-90) Approved outlay	1985-86 Approved Outlay
					Outlay	Anticipated Expenditure		
1	2	3	4	5	6	7	8	9
CS 13	Assistance to Handloom Apex-Primary Societies as sales subsidy rebate ..	10.00	3.74	1.50	5.20	5.20	25.00	5.00
CS 15	Assistance as loans and share capital for setting up processing units by Handloom Apex ..	108.00	41.00	—	2.16	2.16	5.00	1.00
	Total—II ..	208.75	80.67	13.90	22.84	22.84	112.00	23.00
	Centrally Sponsored Schemes—Industry							
CS 1	District Industries Centre ..	250.00	90.27	43.09	50.00	50.00	300.00	54.00
CS 2	10—15% Central Investment Subsidy ..	550.00	150.31	60.00	60.00	60.00	300.00	60.00
CS 3	Engineer Entrepreneurs Training Programme (Interest Subsidy) ..	10.00	2.08	2.00	2.00	2.00	10.00	2.00
CS 4	Rebate on sale of Handloom Cotton Cloth ..	—	—	4.00	9.00	9.00	50.00	8.00
CS 5	Punjab State Handloom Textile Development Corporation ..	—	—	—	—	—	175.00	35.00
	Total—III ..	810.00	242.66	109.09	121.00	121.00	835.00	159.00
	Total Point : 18 ..	3832.00	1697.90	1048.44	1171.03	1229.10	7341.00	1261.50
	Total 20 Point Programme ..							
	(i) State Plan ..	136983.86	70402.47	31858.44	30820.57	30755.91	235893.71	36241.76
	(ii) Centrally Sponsored Schemes ..	10837.06	5763.36	3154.65	4811.38	6063.93	33967.21	7383.98
	Grand Total ..	147820.92	76165.83	35013.09	35631.95	36819.84	269860.92	43625.74

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STATEMENT TPP-II

20-POINT PROGRAMME—PHYSICAL TARGETS AND ACHIEVEMENTS

Point No.	Item	Unit	Sixth Plan Target (1980-85)	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
						Target	Achievement		
1	2	3	4	5	6	7	8	9	10
1	Creation of additional irrigation potential								
	(a) Major and Medium Irrigation	Potential (000 Hects)	197.100	85.700	26.510	26.000	23.900	197.400	28.000
	(b) Lining of Water Courses	„	116.000	52.341	28.048	20.800	38.180	34.400*	*22.400 *It has not been considered additional potential by Planning Commission
	(c) Minor irrigation PSTC Tubewells (Deep Tubewells)	„	10.000	5.025	2.475	2.250	3.675	9.750	1.800
	(d) Shallow Tubewells	„	193.000	121.000	40.000	32.000	39.000	176.000	48.000
	Total		516.100	264.066	97.033	81.050	104.755	417.550	100.200
	(B) Dry Land Farming (Micro Watersheds)	Number	—	—	—	16	16	20	22
2	(a) Production of Pulses	'000 tonnes	375 (Terminal year target)	121	135	190	162 (Anticipated)	200 (Terminal year (1989-90) target)	230
	(b) Production of oilseeds	'000 tonnes	200 (Terminal year Target)	133	115	150	191	200 (Terminal year (1989-90) Target)	148
3	(a) Families benefitted under IRDP	No.		2,48,663	72,963	70,800	74,136	45,300 (New)	13,000 (New)
	(b) Employment Generated under NREP	Lac man-days		61.76	17.45	15.25	17.06	135900 (Old) 76.35	39000 (Old) 19.00
	(c) RLEGP	Lac man-days		—	—	20.41	20.95	..	17.54
4	Distribution of surplus land	Acres				900	997	..	60
6	Bonded Labour to be rehabilitated		There is no known incidence of bonded labour in the State						
7	Families to be assisted								
	(a) Scheduled Castes	No.	4,19,000	2,24,472	91,608	99,107	85,083	..	59,000
	(b) Scheduled Tribes	No.	There are no Scheduled Tribes in the State						
8	Drinking water-problem Villages to be covered	No.		207	165	125	165	1,000	125
9	(a) House sites to be allotted	No.	All eligible persons have been allotted house sites.						
	(b) Construction assistance	No.	24,389 +(6,611 spillover) 3,33,000	21,593	1556	900	929	—	—
10	(a) Slum population to be covered	No.		1,85,644	1,90,616	45,000	1,80,127	3,00,000	50,000

SEVENTH FIVE YEAR PLAN 1985-90

AND ANNUAL PLAN 1985-86

STATEMENT TPP-II

20-POINT PROGRAMME—PHYSICAL TARGETS AND ACHIEVEMENTS

Point No.	Item	Unit	Sixth Plan Target (1980-85)	1980-83 Achievement	1983-84 Achievement	1984-85		Seventh Plan (1985-90) Target	1985-86 Target
						Target	Achievement		
1	2	3	4	5	6	7	8	9	10
	(b) House for E.W.S. . .		—	—	1449	1000	—	—	—
11	Rural Electrification								
	(a) Villages to be electrified	All the inhabited villages in the State have been electrified.							
	(b) Pump-sets to be energised (Plan+ Non Plan) ..	No.	165300	71005	47545	30000	25459	100000	25000
12	(a) Trees to be planted ..	Lakh No.	950.32	1147.00	670.37	527.00	558.04	3015.00	527.00
	(b) Bio-gas plants to be set-up ..	No.	5950	1568	1228	1500	1868	12500	1600
13A	Sterilisations ..	No.		250544	140246	101250	116076	..	120000
13B	IUD Insertions ..	No.							207000
13C	C.C. Users ..	No.							260000
13D	C.P. Users ..	No.							28000
14	(a) Primary health centres to be set up	No.						200	40
	(b) Sub-Centres to be set up	No.		230	100	168	168	250	50
15	ICDS Blocks in operation	No.		14	12	—	—	..	5
16	(a) Enrolment in age group 6-11	Lakh No.	19.71	20.91	21.02	21.36	21.60	22.85	21.85
	11-14 ..	..	8.70	7.96	8.22	8.37	8.44	9.37	8.54
	Total (cumulative) 6-14	..	28.41	28.87	29.24	29.73	30.04	32.22	30.39
16	(b) Adults to be made literate	No.		182000	113113	92000	115687	625000	125000
17	Fair Price shops set up			..	—	—	—	—	—
18	(a) Village industries units to be set up	No.	62827 (Terminal year Target)	15090	5278	4700	5249	19000	3800
	(b) Small Scale Industry units to be set up	No.	88637 (Terminal year Target)	17097	6630	7000	6795	21000	4000
	Total		151464	32187	11908	11700	12044	40000	7800

SEVENTH FIVE YEAR PLAN (1985—90)

AND

ANNUAL PLAN 1985-86

DISTRICT PLAN

Serial No.	Head of Development	1980-85 Sixth Plan Outlay			1980-83 Actuals			1983-84 Actuals		
		State	District	Total	State	District	Total	State	District	Total
1	2	3	4	5	6	7	8	9	10	11
1	Agriculture ..	5428.82	4651.18	10080.00	2020.87	2478.25	4499.12	748.47	1037.93	1786.40
2	Soil Conservation ..	691.88	725.12	1417.00	212.80	390.12	602.92	48.30	170.00	218.30
3	Animal Husbandry ..	269.48	1079.52	1349.00	394.28	549.92	944.20	95.57	401.61	497.18
4	Dairying ..	35.95	200.05	236.00	29.42	135.74	165.16	3.80	45.11	48.91
5	Fisheries ..	44.77	130.23	175.00	105.81	82.96	188.77	—	47.27	47.27
6	Forests including soil conservation ..	10.82	1922.18	1933.00	199.28	835.02	1034.30	97.09	549.16	646.25
7	Community Development ..	863.36	2926.64	3790.00	1021.37	1674.64	2696.01	683.29	563.50	1246.79
8	N. R. E. P. ..	858.42	766.58	1625.00	330.47	171.65	502.12	—	275.00	275.00
9	Co-operation ..	3298.45	851.55	4150.00	1707.11	505.77	2212.88	797.06	133.50	930.56
10	Irrigation and Flood Control including Minor Irrigation and CAD ..	35578.44	4074.56	39653.00	13274.76	4074.56	17349.32	—	—	—
11	Industry and Minerals ..	6932.02	1235.98	8168.00	3301.84	431.38	3733.22	1441.30	259.44	1700.74
12	Roads and Bridges ..	907.39	6092.61	7000.00	17.70	3401.61	3419.31	—	1441.00	1441.00
13	Road Transport									
	(i) Punjab Roadways ..	2718.03	256.97	2975.00	2014.81	256.97	2271.78	—	—	—
	(ii) P. R. T. C. ..	875.71	149.29	1025.00	815.05	99.95	915.00	290.66	29.34	320.00
14	Education (Primary, Middle, High/Secondary) ..	977.26	4322.74	5300.00	515.91	1996.46	2512.37	196.40	1143.81	1340.21
15	Technical Education ..	10.00	290.00	300.00	1.34	79.05	80.39	2.00	44.39	46.39
16	Health and Family Welfare ..	968.19	2026.81	2995.00	697.82	1256.77	1954.59	48.23	769.04	817.27
17	Ayurveda ..	54.01	110.99	165.00	19.40	60.77	80.17	8.47	23.93	32.40
18	Homoeopathy ..	0.56	39.44	40.00	3.68	13.77	17.45	1.61	9.17	10.78
19	Rural Water Supply ..	4063.33	2736.67	6800.00	0.56	1142.55	1143.11	—	594.12	594.12
20	Housing ..	4310.79	1424.21	5735.00	2108.31	921.84	3030.15	800.22	275.00	1075.22
21	Urban Development ..	2160.00	500.00	2660.00	1410.41	179.00	1589.41	307.28	80.00	387.28
22	Welfare of S. C. and Backward Classes ..	2599.55	600.45	3200.00	791.75	600.45	1392.20	—	—	—
23	Economic Services (Planning Machinery at District level) ..	—	—	—	—	—	—	—	—	—
24	Public Works ..	811.21	435.79	1247.00	404.15	205.79	609.94	62.46	230.00	292.46
	Total (All Heads) ..	74737.44	35772.56	110510.00	30924.77	21544.99	52469.76	5455.33	8122.322	13577.65

1985-86

PLAN

D.P.I.

(Rs. in lakhs)

1984-85 Approved Outlay			1984-85 Anticipated Expenditure			Seventh Plan 1985-90 Proposed outlay			1985-86 Approved Outlay		
State	District	Total	State	District	Total	State	District	Total	State	District	Total
12	13	14	15	16	17	18	19	20	21	22	23
961.00	1135.00	2096.00	902.80	1135.00	2037.80	9116.79	5858.21	14975.00	851.41	1295.59	2147.00
80.00	165.00	245.00	80.00	165.00	245.00	1180.30	809.70	1990.00	200.75	94.75	295.50
3.00	517.00	520.00	118.14	434.03	552.17	1253.43	2046.57	3300.00	26.81	418.19	445.00
35.80	19.20	55.00	30.98	19.20	50.18	308.54	131.46	440.00	30.08	18.92	49.00
5.50	49.50	55.00	—	54.65	54.65	382.83	215.17	598.00	17.95	62.05	80.00
174.00	538.00	712.00	174.00	538.00	712.00	3770.01	939.99	4710.00	107.93	641.57	749.50
559.50	688.50	1248.00	563.57	688.50	1252.07	3619.00	3420.00	7039.00	396.48	424.52	821.00
—	324.00	324.00	—	319.93	319.93	1580.00	—	1580.00	23.73	292.27	316.00*
592.72	212.28	805.00	653.68	212.28	865.96	5662.24	922.76	6585.00	582.19	424.81	1007.00
—	—	—	—	—	—	—	—	—	—	—	—
1153.84	545.16	1699.00	1444.14	545.16	1989.30	11537.85	793.15	12331.00	1565.83	342.17	1908.00
230.00	1250.00	1480.00	30.00	1250.00	1280.00	245.00	9555.00	9800.00	40.00	1240.00**	1280.00
—	—	—	—	—	—	—	5550.00	5550.00	555.25+	94.75+	650.00
332.00	68.00	400.00	515.00	20.00	535.00	2572.66	177.34	2750.00	483.00+	67.00+	550.00
384.31	1133.27	1517.58	435.53	1182.47	1618.00	1147.40	5532.60	6680.00	162.82	805.33	968.15
1.45	161.55	163.00	1.27	160.39	161.66	10.00	2494.00	2504.00	2.00	258.00	260.00
—	—	—	—	—	—	215.67	7223.33	7439.00	100.98	909.02	1010.00
8.53	26.29	34.82	14.01	26.29	40.30	63.86	32.14	96.00	11.76	3.24	15.00
2.38	16.50	18.88	2.38	16.50	18.88	10.30	104.70	115.00	0.45	14.55	15.00
—	800.00	800.00	—	1000.00	1000.00	—	7000.00	7000.00	—	1000.00	1000.00
912.63	227.37	1140.00	1015.70	227.37	1243.07	6904.00	270.00	7174.00	1130.00	30.00	1160.00
338.00	60.00	398.00	—	31.00	31.00	3575.00	500.00	4075.00	787.00	31.00	818.00
—	—	—	—	—	—	2501.89	998.11	3500.00	375.20	124.80	500.00
—	—	—	—	—	—	1.00	—	1.00	—	1.00	1.00
45.00	340.00	385.00	—	—	—	530.00	1470.00	2000.00	75.00	310.00	385.00
5465.41	8276.62	13742.03	5705.90	8025.77	13731.67	56187.77	56044.23	112232.00	7526.62	8903.53	16430.15

- (i) District figures also include G.O.I. contribution.
(ii) *Indicates an equal amount will be given by G.O.I.
(iii) **Provisional.
(iv) (+, Provisional (Exclude Chandigarh outlay).
(v) (—) Indicates nil Provision.
(vi) Figures in columns 18, 19 are provisional.

NIEPA DC



D03955

Sub. National Systems Unit,
National Institute of Educational
Planning and Administration

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DC No. 3955

Date: 14/9/87