



# **DRAFT ANNUAL PLAN**

**1984-85**

**Government of Punjab  
Department of Planning**

# DRAFT ANNUAL PLAN

1984-85



PLANNING DEPARTMENT  
PUNJAB

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*D. Singh*

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## CHAPTER I

# Approach to the Annual Plan 1984-85

The year 1984-85 is the last year of the Sixth Five-Year Plan 1980—85. While the overall strategy and objectives of the Annual Plan 1984-85 are derived from the Sixth Five-Year Plan, the details of the Annual Plan 1984-85, being the terminal year of the plan, have been worked out to ensure early completion of the on going projects/Schemes. To ensure early completion of going projects within the constraint of resources, works at an advanced stage were identified and allocations were made during the current year 1983-84 to enable the completion of the project or a useable portion thereof. This strategy has shown very good results in as much as several projects have been completed this year. Following the same principle, funds have been allocated for completion of specific projects again instead of distribution over a large number.

1.2 The preliminary exercises in connection with Seventh Five-Year Plan have also been undertaken. Some of the schemes to be implemented in the Seventh Five-Year Plan have been included in the Annual Plan 1984-85 by way of advance action.

1.3 A careful appraisal has been made of the on-going schemes and programmes and low priority schemes have been weeded out. More allocations

have been made for the productive sectors in particular Agriculture, Animal Husbandry, Cooperation and Industry, Social and Community Services like Education, Public Health & Sanitation, Rural & Urban Water Supply and Welfare of Scheduled Castes & Backward Classes have been given considerable higher allocations to honour the commitments of a better living to the people of the State.

1.4 It is felt that speedy development of power potential is essential for the rapid growth of the Agriculture and Industrial sectors of the economy. With this objective in view, a total of Rs. 215.21 crores have been earmarked for the power sector.

1.5 The size of the Annual Plan 1984-85 has been fixed at Rs. 488.00 crores against a size of Rs. 440.00 crores for the year 1983-84 i.e. a step up of 10.91 per cent. The details of outlay under different heads of development have been shown in statement-I in the statement portion of this document. Schemewise outlay & Physical targets have been given under statement-II and III. Minimum Needs Programme, Centrally Sponsored Schemes, Employment content of the sectoral programme, 20-point Programme, District Plans & the data relating to Public sector undertakings finds mention in different statements.



## Agriculture and Rural Development (I)

Punjab State has a Farm dominated economy. A sustained development and growth of Agriculture is imperative as over 80% of the population depends directly or indirectly on this sector. Punjab has now entered into a new phase where intensive exploitation of land and water resources through multiple cropping has changed the total ecosystem. Crop production especially of wheat and rice has reached a record level compared to the previous years. As a result of this State is the largest single contributor in the central wheat and rice pool which is a commendable achievement. Still agriculture has been confronted with some problems like that of rising pest/insects population, increasing incidents of weeds, depleting soil fertility, inadequate supply of vital agricultural inputs like seeds, fertilizers and existence of kallar land. High prices of fertilizers have also adversely affected the small & marginal farmers in the State. The future development strategy must, therefore, take into account these issues.

## Strategy for 1984-85

2. The main elements of strategy for the

fulfilment of the production targets are increased irrigation facilities, efficient water management, enlarged certified seed supply programme, ensuring timely sowing, land reclamation, efficient and economic use of fertilisers, plant protection measures, diversification of farming by laying greater stress on production of pulses, cotton, oil seeds, sugar cane etc. and to bring more area under fruit plants. While there is no control over weather conditions, steps will be taken to introduce disease resistant varieties of major crops of the State especially wheat and rice.

## Land Utilisation :

2.3. Over 83% of the State's geographical area is under cultivation as compared to the 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 is as under :

TABLE 2.1 : Land Utilisation in Punjab

(000 hectares)

Item	Year				
	1965-66	1974-75	1979-80	1980-81	1981-82
1	2	3	4	5	6
Geographical Area	.. 5,038	5,038	5,038	5,038	5,038
Reported Area	.. 5,028	5,033	5,033	5,033	5,033
Forest	.. 83	211	217	220	220
Land not available for cultivation	.. 638	531	531	529	511
Uncultivated lands excluding fallow lands	.. 187	74	52	48	48
Barren fallow lands	.. 317	125	51	45	38
Net cultivated area	.. 3,803	4,092	4,182	4,191	4,211
Percentage of reported area	.. 76	81	83	83	84
Production per hectare	.. 4,889	5,904	6,535	6,763	6,921
Production intensity	.. 128.6	144.8	156.3	161.4	164.1

## Gross Cropped Area :

2.4. The details of Gross Cropped Area by Principal crops is given in the table below :-

TABLE 2.2 : Gross Cropped Area by Principal Crops in Punjab

Crops	(000' hectares)						
	1979-80 base year	1980-81 Actuals	1981-82 (estimates)	1982-83 (estimates)	1983-84		1984-85 Targets
					Targets	Anticipated achievements	
1	2	3	4	5	6	7	8
<b>1. Kharif—</b>							
Rice	1,172	1,182	1,266	1,319	1,280	1,380	1,190
Maize	393	382	328	305	350	300	00
Bajra	46	69	60	42	50	40	40
Jowar	1	1	2	1	2	2	1
Other Cereals	1	—	1	—	—	—	—
Pulses	42	60	57	64	68	68	59
<b>Total Kharif</b>	<b>1,655</b>	<b>1,694</b>	<b>1,714</b>	<b>1,731</b>	<b>1,750</b>	<b>1,790</b>	<b>1,400</b>
<b>2. Rabi—</b>							
Wheat	2,813	2,811	2,913	3,054	2,900	3,050	3,050
Barley	46	65	88	80	50	50	0
Gram	228	258	240	124	270	150	0
Pulses	20	23	22	20	35	25	0
<b>Total Rabi</b>	<b>3,107</b>	<b>3,157</b>	<b>3,263</b>	<b>3,278</b>	<b>3,255</b>	<b>3,275</b>	<b>3,050</b>
<b>Total Foodgrains</b>	<b>4,762</b>	<b>4,851</b>	<b>4,977</b>	<b>5,009</b>	<b>5,005</b>	<b>5,065</b>	<b>5,100</b>
<b>3. Commercial crops—</b>							
Cotton	630	649	687	724	725	650	650
Sugarcane	77	71	101	104	120	90	100
Oil seeds	199	228	223	178	180	45	150
Potatoes	41	40	36	40	42	42	40
Others	826	924	905	945	828	1,008	920
<b>Total Commercial Crops</b>	<b>1,773</b>	<b>1,912</b>	<b>1,952</b>	<b>1,991</b>	<b>1,895</b>	<b>1,835</b>	<b>1,860</b>
<b>Total Cropped Area</b>	<b>6,535</b>	<b>6,763</b>	<b>6,929</b>	<b>7,000</b>	<b>6,900</b>	<b>7,000</b>	<b>6,000</b>

**Yield :**

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

also emerged a major rice surplus State and the yield of wheat and rice are the highest in the country. Yield of various crops is given as under :

**TABLE 2.3 : Yield of different crops in Punjab**

(Kg./ha.)

Crop	1979-80 Actuals	1980-81 Actuals	1981-82 Esti- mates	1982-83 Estimates	1983-84		1984-85 T Targets
					Targets	Antici- pated Achieve- ment	
	2	3	4	5	6	7	8
Rice	2,604	2,736	2,957	3,144	2,890	3,040	3,100
Jowar	649	667	760	1,000	1,000	1,000	1,000
Bajra	1,032	1,234	1,008	1,198	1,200	1,200	1,250
Maize	1,723	1,601	1,839	1,778	1,860	1,935	2,000
Wheat	2,797	2,730	2,932	3,007	2,897	2,900	3,000
Barley	1,546	1,616	1,999	1,575	1,580	1,400	1,570
Gram	687	582	473	504	600	825	930
Sugarcane (gur)	5,099	5,518	5,772	6,098	5,833	6,000	6,000
Cotton (cleaned)	326	308	316	286	316	180*	310

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

**Crop Production :**

2.6. Despite certain bottlenecks, 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 given below :

**TABLE 2.4 : Output of Principal Crops in Punjab**

Item	Unit	1979-80 Achievements	1980-81 Achievements	1981-82 Achievements (P)	1982-83 Achievements (P)	1983-84		1984-85 T Targets
						Targets	Anticipated achievements	
		3	4	5	6	7	8	9
<b>Agriculture</b>								
<b>Production of Principal Crops--</b>								
Wheat	.. 000' tonnes	7,868	7,674	8,543	9,183	8,400	8,800	9,200
Rice	.. "	3,052	3,228	3,743	4,147	3,900	4,200	4,300
Maize	.. "	677	613	602	542	650	580	600
Bajra	.. "	47	84	61	50	60	48	50

1	2	3	4	5	6	7	8	9
Barley	.. 000' tonnes	73	107	176	126	80	70	110
Other Cereals (Jowar)	.. ..	1	1	1	1	2	2	1
Total cereals	.. ,	11,718	11,707	13,126	14,049	13,092	13,700	14,261
Gram	.. ..	157	150	134	62	160	124	150
Other Pulses	.. ..	31	51	46	59	70	76	39
Total pulses	.. ..	188	201	180	121	230	200	239
Total foodgrains	.. ..	11,906	11,908	13,306	14,170	13,322	13,900	14,500
Groundnuts	.. ..	81	103	90	63	90	50	50
Other oil seeds	.. ..	76	73	80	70	85	85	50
Total oilseeds	.. ..	157	176	170	133	175**	135	100
Cotton	.. 000' Bales	1,207	1,176	1,275	1,218	1,350	700	1,200
Sugarcane (Gur)	.. 000' tonnes	393	393	582	634	700	540	600

\*Subject to the approval of the Committee constituted by the Govt. for this purpose.

\*\*Revised

2.7 Crop production especially of wheat and rice has increased to a record level. The total foodgrains production during 1980-81 was 119.08 lac tonnes which rose to 133.06 lac tonnes during 1981-82. During 1982-83 the production of foodgrains reached a record level of 141.70 lac tonnes. The major addition came from wheat and rice. The anticipated production during 1983-84 is of the order of 139.00 lac tonnes which is less as compared to the last year's level. The main reason of this shortfall is that during 1982-83 the weather conditions were exceptionally favourable for the production of wheat as compared to this year. As a result of this the production of wheat is expected to be of the order of 88.00 lac tonnes during 1983-84 as compared to 91.83 lac tonnes during 1982-83. The target for 1984-85 for wheat production is fixed at 92.00 lac tonnes. The target of total foodgrains production for 1984-85 is 145.00 lac tonnes. The production of rice during 1980-81 was 32.28 lac tonnes which rose to 37.43 lac tonnes in 1981-82. During 1982-83 its production further increased to 41.47 lac tonnes and it is anticipated that production of rice will increase to 42.00 lac tonnes during 1983-84. The target for 1984-85 has been fixed at 43.00 lac tonnes. Maize is not a major crop of the State and has not shown a stable trend.

2.8 Emphasis has been given on the diversification of the cropping pattern although wheat and

rice will continue to be the major crops of the State. An all out efforts is being made to increase the level of production of cotton pulses and oil seeds. Cotton production which was 11.76 lac bales during 1980-81 rose to 12.75 lac bales in 1981-82. It came down to 12.18 lac bales in 1982-83 and its production during 1983-84 is estimated to be of the order of 7.00 lac bales. The main reason for less production during 1983-84 compared to the previous years is due to the severe attack of 'Ball-worm' on cotton crop and area under the crop has also decreased compared to the previous years. Production of cotton is not picking up because of various other adverse factors like water logging in cotton belt which has increased the attack of insects/pest and diseases. The production of oil seeds during 1983-84 is estimated at 1.35 lac tonnes as compared to 1.33 lac tonnes during 1982-83. The target for 1984-85 has been fixed at 1.50 lac tonnes. The production of pulses has not shown a stable trend. During 1979-80 the production of pulses was 1.88 lac tonnes, it rose to 2.01 lac tonnes during 1981-82. It came down to the level of 1.80 lac tonnes during 1981-82 and to 1.21 lac tonnes during 1982-83. It is anticipated that its production will be of the order of 2.00 lac tonnes as compared to the target of 2.30 lac tonnes during 1983-84. The target for 1984-85 is 2.39 lac tonnes. Pulses are mainly sown in irrigated areas and the production fluctuates with the weather conditions.

**Agriculture :**

2.9 An outlay of Rs. 2265.00 lac has been provided for the sub-head of development "Agriculture" for the year 1984-85 as against an outlay of Rs. 1825.00 lacs during 1983-84. Programme-wise outlays provided under this sub-head are as under:

**Table 2.5 : Programme-wise outlays**  
(Rs. in lacs)

Sr. No.	Name of programme	1983-84 Outlay	1984-85 Outlay
1	2	3	4
<b>Punjab Agricultural University :</b>			
1	Research	260.00	348.00
2	Agricultural Education, Extension and Farmers Training		
<b>Agriculture Department :</b>			
3	Extension and Farmers Training ..	30.00	30.00
4	Direction and Administration ..	14.80	15.10
5	Land Reclamation ..	463.85	475.00
6	Multiplication and distribution of seeds ..	9.90	107.00
7	Manures and Fertilizers	44.00	44.75
8	High Yielding Varieties Programme ..	50.60	54.00
9	Plant Protection ..	295.65	310.50
10	Commercial crops ..	74.00	86.75
11	Agricultural Engineering	40.00	70.00
12	Agricultural Economics and Statistics ..	4.90	4.60
13	Warehousing ..	25.00	25.00
14	Agricultural Marketing and quality Control ..	4.40	4.80
15	Agricultural credit ..	355.00	347.00
16	Employment Promotion Programme ..	15.00	10.00
17	Others ..	5.40	192.00
18	Horticulture Department	132.50	140.50
	<b>Total ..</b>	<b>1825.00</b>	<b>2265.00</b>

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

**Research, Education, Extension and Training : :-**

2.10 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. A number of new varieties of crops have been added to the varietal wealth of several crops. Notable among these are rice varieties resistant to sheath blight, tungro virus and rust resistant wheat varieties showing tolerance to Karnal Bunt. The University undertakes programmes for spreading higher education, training of farmers etc. It also undertakes programmes for disseminating information regarding various aspects of farm practices. To enable the University to continue the various programmes of research education and extensions, an outlay of Rs. 348.00 lacs has been provided for 1984-85. It includes a provision of Rs. 59.00 lacs for the purchase of land for the scheme "Establishment of Regional Research Station" at Bhatinda. P.A.U. needs Rs. 75.00 lacs for the purchase of land for this scheme out of which Rs. 16.00 lacs were provided earlier. Another provision of Rs. 14.00 lacs has been made for the scheme "Development of Processing facilities at P.A.U. seed Farms". The total outlay of Rs. 348.00 lacs also includes Rs. 15.00 lacs for PAU component of Kandi I Project for 1984-85.

**Extension and Farmers Training :**

2.11 Under this programme there are two schemes A (P) 3.5 (a) "Farmers Training and Education — Running of Farmers Training Centres" and A (P) 3.5 (b) "Training scheme—Grant to Institutions for organising Training Camps". Ten districts are covered under the first scheme and Farmers Training Centres have been established. There is no Farmer Training Centre in Ludhiana and Amritsar districts. These are covered by P.A.U. Ludhiana and Khalsa College, Amritsar for organising Training Camps etc., for which Grant-in-aid is given to these institutions. These are continuing staff schemes.

2.12 The main object of this programme is to acquaint the cultivators with the latest scientific findings, improved agricultural practices, newly introduced High Yielding varieties and training camps etc. The programme covers the entire sector of agricultural development such as cereals, cash crops, pulses and fibres. A sum of Rs. 30.00 lakhs has been provided for 1984-85 for this programme.

#### Direction and Administration :

2.13 There are two schemes under this programme. The scheme A(P) 4.1 "Reorganisation of Agriculture Department" is a continuing staff scheme and aims at posting Agriculture 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 incharge of Chief Agricultural Officer.

#### Reclamation of Land

2.14 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. The reclamation process remained slow in the Fifth Plan. An area of 73,547 hectares was reclaimed upto 1979-80. The programme has been given high priority in the Sixth Plan and during 1980-81 alone, an area of 33,000 hectares was reclaimed while the target was 30,000 hectares. The target were exceeded during 1981-82 and 1982-83 also. During 1981-82 an area of 34,600 hectares were reclaimed against the target of 32,000 hectares. An area of 31,000 hectares was reclaimed during 1982-83 while the target was 30,000 hectares. This is a significant achievement. There is a target to reclaim an area of 32,000 hectares during 1984-85 against the anticipated achievement of 31,000 hectare during the current year. It is envisaged that the remaining area to be reclaimed in the State after 1984-85 would be about 4.63 lac hectares.

2.15. The scheme A(P) 5.1 'Reclamation of 'culturable waste land' has been merged in scheme A(P) 5.2 and the nomenclature has been changed as 'Reclamation of Kallar Lands in Punjab' under

this programme, three demonstration/reclamation centres have been set up by taking on lease the affected areas owned by village Panchayats. These reclamation centres have been set up at Kalanaur in Gurdaspur district (283 hectares) Masitan in Kapurthala district (124 hectares) and Gharachon in Sangrur district (42 hectares). These projects serve as demonstration centres to educate the farmers on the latest techniques of reclamation of kallar lands. After reclamation these centres will be used for seed production. Under the second component, gypsum the main ingredient for reclamation of soils is supplied to farmers at a highly subsidized rate 75% for small and marginal farmers and 50% for others. The procurement and supply of gypsum is handled by Land Development and Reclamation Corporation. Bulldozers service is provided at reasonable rate by the Corporation for levelling and shaping of lands. The physical profile is as under :—

TABLE 2.6 : Area reclaimed, Gypsum supplied and subsidy advanced

Year	Area reclaimed (hectares)	Gypsum supplied ('000 tonnes)	Subsidy utilised (Rs. in lakhs)
1	2	3	4
Level achieved upto 1979-80	.. 73,547	469.00	771.76
1980-81	.. 33,000	235.00	432.00
1981-82	.. 34,600	242.55	441.52
1982-83	.. 31,000	212.43	384.90
1983-84 (Anticipated)	31,000	220.00	425.00
1984-85 (Targets)	.. 32,000	225.00	438.00

2.16. An outlay of Rs. 475.00 lakhs has been provided for this programme for 1984-85 as against an anticipated expenditure of Rs. 463.85 lakhs during 1984-85.

#### Multiplication of Distribution of Seeds :

2.17. The use of certified and treated 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. A sum of Rs. 100.00 lakhs has been provided to PSSC for 1984-85 as State share capital to enable the Corporation to complete three Seed Processing Plants at Kartarpur, Ludhiana and Kotkapura where the works are already in progress and for the working capital required for the processing of 1.90 lakh quintals of seeds during 1984-85. Provision has also been made for the existing Seed Testing Laboratory at Ludhiana under the scheme A(P) 6.5 with a view to increase its seed testing capacity and also to ensure quality through all stages of production, processing and marketing.

2.18. Performance in respect of the supply of certified seed and targets for 1984-85 are given in the table below :

**TABLE 2.7 Certified Seed**  
(Qtls.)

Seed	1979-80	1980-81	1981-82	1982-83 (estimates)	1983-84 (estimates)	1984-85 (Targets)
1	2	3	4	5	6	7
Wheat	30,000	42,046	36,236	32,362	31,671	75,000
Paddy	17,000	17,500	13,823	20,308	16,013	40,000
Gram	650	685	1,393	300	800	7,200
Maize	950	1,350	1,200	217	239	6,500
Cotton	2,100	2,450	681	1,284	1,486	10,000

2.19. A provision of Rs. 107.00 lacs has been made for 1984-85 for this programme against Rs. 9.90 lacs likely to be spent during the current year.

### Manures and Fertilizers :

2.20. The total consumption of fertilizers in terms of plant nutrients (NPK) had increased to 813,000 tonnes by 1981-82 compared to 762,000 tonnes during 1980-81 and 686,000 tonnes in 1979-80. The target for 1984-85 has been set at 1100 thousand tonnes against the consumption of 1101.3 thousand tonnes anticipated during 1983-84. The physical achievements are given as under :—

**TABLE 2.8 :—Fertilizer Consumption**

Year	(000' tonnes of nutrients)			
	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	665	265	30	960
Targets	710	260	43	1013
Ant. Ach. 1984-85 (Targets)	790	275	35	1100

2.21 Soil testing is a pre-requisite for making a balanced efficient and economic use of fertilizers. It is, therefore, very necessary to provide this service to the farmers at their door steps before sowing of crops. There is a specific scheme 'Establishment of Soil Testing Laboratories including Mobile Soil Testing Laboratory' to achieve this end. The main object is to test the soils free of cost, for reclamation purposes as well as for efficient use of fertilizers. Of the total 47 soil testing laboratories in the State 26 are on plan side out of which 23 are stationary and 3 are mobile. During 1983-84 it is envisaged to establish three more stationary laboratories in the State. The physical profile is given as under :—

**TABLE 2.9—Soil Testing Laboratories/Samples**

Item	Unit	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
						Anticipated	Targets
1	2	3	4	5	6	7	8
1. Soil Testing Laboratories	.. No.	11	14	20	26	29	29
(i) Stationary	.. "	6	11	17	23	26	26
(ii) Mobile	.. "	5	3	3	3	3	3
2. Soil Samples to be tested (annually)	.. "	235	154	196	210	290	290

**2.22** Quality control of inputs is of paramount importance to create confidence amongst farmers about their effectiveness. Punjab has done a pioneer work in the enforcement of quality control of inputs in the State. At present a fertiliser quality control laboratory is functioning at Ludhiana for which a sum of Rs. 6.75 lakhs has been provided in 1984-85 under the scheme A(P) 7.5. Cases are instituted against defaulters selling substandard fertilizers.

**2.23** A sum of Rs. 44.75 lacs has been provided for this programme for 1984-85 against an anticipated expenditure of Rs. 44.00 lacs during 1983-84.

High Yielding Varieties Programme.

**2.24** This programme aims to increase agricultural production in the selected villages under the scheme A(P) 8.1. Additional staff viz. one Agriculture Inspector, two Beldars supported by V.L.W & Gram Sewaks (existing) has been provided for each cluster comprising 5 villages. Facilities like Irrigation, subsidy on essential inputs and technical know-how is provided at the door step of the farmers. A sum of Rs. 54.00 lacs has been provided for 1984-85 for this scheme.

#### Plant Protection :

**2.25** Plant protection, including prophylactic and endemic pest control measures plays a crucial role in increasing agricultural production.

**2.26** Under this programme, there are number of plant protection schemes providing for continued surveillance of the pests and diseases and eradication of pests and diseases. Under the scheme A(P) 9.1 "Ground Spraying of Crops/Mobile Ground Spray Units", pesticides/insecticides 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. The plant protection equipment is supplied on rent. Some farmers particularly in Bhatinda district can not avail of the aerial spraying facility due to scattered area under cotton. Such intending farmers are supplied pesticides as loan in kind under this scheme, which is recovered as arrears of land revenue. An amount of Rs. 100.00 lacs has been provided for this scheme for 1984-85.

**2.27** When the cotton plants grow to certain size ground spraying becomes difficult and aerial spray of 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 alongwith land revenue. A sum of Rs. 120.00 lacs has been provided for 1984-85 for aerial spraying of crops. The physical progress in respect of ground/aerial spraying and targets for 1984-85 is given below :—

**Table 2.10—Ground/Aerial Spraying of Crops in Punjab**

Year (Achievement Annual)	Ground Spray	Aerial Spray
1979-80	693	151
1980-81	930	113
1981-82	770	95
1982-83	1050	86
1983-84 (Estimates)	760	81
1984-85 (Targets)	920	100

**2.28** 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 areas. 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 Tribunil and Dosanex etc. have been found effective but are very costly. It is envisaged to supply the herbicides at 25% subsidy out of which 12½% will be met by Government of India. It is envisaged to supply about 300 Mt. tonnes of weedicides during 1984-85 for treating an area of 2.00 lac ha. of wheat. Provision has also been made for Insecticides Testing Laboratory in order to achieve the object of taking insecticides samples at regular intervals.

#### Commercial Crops :

**2.29** Punjab's agriculture is predominantly cereal based. It is proposed to diversify agriculture



by promoting the cultivation of cotton, sugarcane and groundnuts which are the important cash crops 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. Subsidy on following items is also given :--

- (i) Re. 1 per quintal to the producer of sugarcane seed and Re. 1 per quintal to the purchaser of that seed for meeting his personal requirements for putting his area under improved varieties of sugarcane.
- (ii) 25% subsidy on the cost of pesticides required for the treatment of sugarcane seed and aerial spraying of sugarcane. The Sugar Mills will share 25% of the cost and the balance 50% will be paid by the cane growers.

**2.30** Funds have been provided for the intensive cotton development programme, including scheme for production of nucleus seed of cotton. Main expenditure is on staff and subsidy on certified seed of cotton. Under the scheme A(P) 10.4 "Intensive oilseed development programme", it is intended to adopt intensive approach to groundnut and rape-seed and mustard in selected high potential areas with a view to increasing the production of edible oils. The scheme A(P) 10.5 "Intensive pulses development programme" aims at raising production of pulses. These are centrally sponsored schemes and funds will also be provided by the Government of India. An outlay of Rs. 86.75 lacs has been provided for 1984-85 for this programme against an anticipated expenditure of Rs. 74.00 lacs during 1983-84.

#### Agricultural Engineering :

**2.31** This programme aims at to introduce the newly evolved farm machinery among farmers. Technical know-how and guidance is also provided to farmers regarding selection and maintenance of agricultural machinery. The objective of the sche-

me A(P) 11.3 "Intensification of Farm Mechanisation and Popularisation of Improved Agricultural Implements" is to introduce the newly evolved farm machinery for their adoption on mass scale and to impart training to farmers to keep proper care of their Machinery, Tractors, Diesel Engines and Electric Motors etc. A sum of Rs. 10.00 lacs has been provided for this scheme for 1984-85. A sum of Rs. 60 lacs has been provided for 1984-85 to Punjab Agro-Industries Corporation under the scheme A(P) 11.2. Out of this Rs. 35.00 lacs is for the setting up of "Punjab Energy Devices" and Rs. 25.00 lacs is for "Integrated Project for shelling of Paddy, manufacture of Hydrogenated Edible Oil, Cattle/Poultry Feed and Particle Board". The total provision for this programme for 1984-85 is Rs. 70.00 lacs as compared to Rs. 40.00 lacs during the current year.

#### Warehousing :

**2.32** 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, agricultural implements and notified commodities to and from Warehouses. A provision of Rs. 25.00 lacs has been made for this programme for 1984-85. Matching contribution would be available from Central Warehousing Corporation.

#### Agricultural Credit :

**2.33** 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. Details of Agricultural Credit to be provided during 1984-85 alongwith physical targets is given in the table below :—

TABLE 2.11—Agricultural Credit to be provided during 1984-85

Serial No.	Scheme	Physical targets	Loans to be advanced	Debentures to be floated	(Rs. in lacs)		
					State Govt.	Govt. of India	Total
1	2	3	4	5	6	7	8
<b>Support to Ordinary and Special Debentures of LMB</b>							
(i)	Agriculture Department	5000 (tubewells)	1450	1450	55.00	55.00	110.00
(ii)	Soil Conservation Department	N.A.	250	250	11.00	11.00	22.00

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
(iii)	Purchase of debenture of SCLMB for the purchase of Tractors and Agricultural Implements ..	3000 (tractors)	1840	1840	230.00	230.00	460.00
(iv)	ARC schemes for the reclamation of Alkaline/Saline Soils ..	N.A.	100	100	6.00	6.00	12.00
(v)	Grant of loans for fruit plantation-debenture support for Horticulture ..	2000 (acres)	100	100	6.00	6.00	12.00
(v)	Gobar Gas Plants ..	1200	50	50	3.00	3.00	6.00
(vi)	Dairy Development ..	1666 (unit of 2 to 5 animals)	250	250	15.00	15.00	30.00
(vii)	Poultry, Piggery, Sheep Breeding, Cattle Feed, Processing Unit Camel Carts etc. ..	1000 (units of 500 birds each)	250	250	15.00	15.00	30.00
(viii)	Fish Culture ..	200 (Ponds)	50	50	3.00	3.00	6.00
(ix)	Farm Forestry ..	—	50	50	3.00	3.00	6.00
	Total ..		4340	4340	347.00	347.00	694.00

### Employment Promotion Programme :

2.34. Under this programme, Agro-Service Centres in villages are set up to provide customs service of machinery to the villagers at reasonable rates. Under this programme I.T.I. trained/matriculates and above including ex-servicemen trained entrepreneurs establish their own Agro-Service Centres in rural areas. They invest 10% from their own resources and the remaining 90% is raised as loan from the Commercial Bank who charge different rates of interest varying from 11% to 15%. Out of this 5% is borne by entrepreneurs themselves and rest of the interest is subsidized by the Government for which a sum of Rs. 10 lacs is provided for 1984-85. Funds for training programme are also provided to Punjab Agro-Industries Corporation under this scheme. During 1984-85, it is proposed to train 150 entrepreneurs as in 1983-84. An amount of Rs. 5.00 lacs has been allocated to the Corporation for giving stipends and meeting the expenditure of the trainees. The total provision for 1984-85 for this scheme is Rs. 10.00 lacs.

### Others :

2.35. The most important scheme under this programme is the scheme of "installation of Bio-Gas Plants." This scheme 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 Plants is as under:—

Size of the plant (cft.)	Amount of Subsidy (rupees)
100	100
150	150
250	270
495	420

2.36. During the year 1977-78, 1977-79 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

as olders guide frames pertaining to the Gobar  
plants, set up during 1976-77 (3rd phase).

The phase-wise progress of Bio-Gas Plants is  
given below :—

TABLE 2.12—Bio-Gas Plants in Punjab

(Position upto 30th September, 1983)							
Target	Phase-I 1974-75	Phase-II 1975-76	Phase-III 1976-77	Phase-IV 1981-82	Phase-V 1982-83	Phase-VI 1983-84	Total
1	2	3	4	5	6	7	8
Total	2002	4250	3500	700	2500	1250	14202
Lifted	1938	4197	3215	486	1970	73	11879
Installed	1861	4030	2116	273	507	5	8792
Percentage installed	96.03	96.02	65.82	56.17	25.74	6.85	74.01
Balance out of the lifted plants	77	167	1099	213	1463	68	3087

237. The department has installed 8792 plants  
of 1179 plants lifted upto 30th September,  
1983. The main difficulty in the achievement of  
the target has been the non-availability of cement to the  
extent required.

238. Under the changed financing pattern,  
the Government of India will bear 100 per cent  
of the expenditure both on staff and subsidy for Bio-  
Gas plants in six districts namely Ferozepur,  
Jalandhar and Hoshiarpur (one unit),  
Moga, Patiala. In the remaining six dis-  
tricts the expenditure on staff will be borne by the  
State Government for which Rs. 5.00 lacs has  
been provided for 1984-85. However, the subsidy  
in these districts will be provided by Govt.  
of India. It is envisaged to install 2000 Bio-Gas  
plants of various capacities ranging from 100 cft. to  
1500 cft. in the State during 1984-85. The total  
cost of the scheme is Rs. 92.40 lakhs

239. A new Centrally sponsored scheme  
namely Assistance to Small and Marginal Farmers  
in Irrigation, has been included in the current  
Five Year Plan. This scheme aims at benefitting small  
and marginal farmers by providing Rs. 5.00  
lacs per block to be shared by State and Central

Government on matching basis as per details  
given below :—

Item	(Rs in lakhs)
(i) 50% subsidy on wells and pumps to small and marginal farmers on IRD pattern	33.50
(ii) 50% subsidy on plantations of fuel and fruit trees on IRD pattern	00.50
(iii) Free distribution of Minikits of seeds and fertilizers for oilseeds and pulses, production inputs, land development and cost of staff etc.	11.00
Total	55.00

240. During the year 1984-85 it is envisaged  
to cover 51 blocks for giving subsidy on wells  
and pump sets as in item (i) above as  
in the remaining blocks groundwater resources

have already been fully exploited and the Ground Water Board does not recommend any further installation of pump sets there. However, all the 117 blocks will be covered for giving subsidy as per items (ii) and (iii) above. The total cost of the scheme is Rs. 374.00 lakhs out of which Rs. 187.00 lakhs has been provided as 50% share of State Govt. for 1984-85. It is proposed to install 4000 shallow tubewells, 1500 electric pump sets and 750 diesel pump sets. Under this scheme it is also proposed to renovate 1150 tubewells during 1984-85. Besides free distribution of Minikits of seeds and fertilizers for oilseeds (180) and pulses (373) has also been proposed for 1984-85 under this scheme.

#### HORTICULTURE :

2.41. Horticulture has to play a major role in the diversification of Agriculture in the State. Horticulture includes a wide range of activities such as fruit growing, vegetable cultivation, mushroom cultivation, ornamental gardening, fruit preservation etc. etc. Though the cultivation of fruits started many years ago, yet it remained in a primitive state for most of the time. The Punjab State has a vast potential for building up Horticulture on commercial lines. The State has a sub-tropical climate characterised by a hot and dry summer, followed by rainy season. The winters are rather mild but with several frosty nights. Even within the State there are definite climatic zones more suitable for some fruits than others :

- I. The submontane area for example is very suitable for mangoes, litchi and mandarins;
- II. The Central districts are well adopted to pear and peaches;

III. The arid irrigated zone is very suitable for citrus, grape and ber.

Accordingly it is planned to give the due push for the cultivation of various types of fruits suited for the area.

#### Area to be covered :

2.42 At present the estimated area under plantation is 31,803 hectares. The condition of most of the plantation is not satisfactory due to low productivity. The department has planned to rejuvenate most of the gardens, including plantation of old deteriorated and the economic orchards. Besides, it is envisaged to bring an additional area of 28,00 hectares under horticulture during 1984-85.

#### Nursery Plants :

2.43 Supply of reliable and disease free material is a pre-requisite for successful fruit plantation. At present the nursery plants are in short supply and it is proposed to gear up the programme of increasing the production of reliable and disease free plants. The Horticulture department has set up a net work of 24 Nurseries-cum-propagation orchards in different districts in addition to 6 private registered Nurseries. It is envisaged to develop more orchards during 1984-85 and the seed material transferred from Agriculture department besides strengthening the present net work.

2.44 During 1984-85 there will be a need of 10.50 lac nursery plants for covering an area of 2800 hectares including plants required for replantation.

Table 2.12 Area to be covered and requirement of plants

Item	Unit	Plants		
		1982-83	1983-84 Estimates	1984-85 Target
1	2	3	4	
1. Proposed new area	(Hects.)	2,000	2,500	2,000
2. Requirement of nursery plants for new area	(No.)	5,00,000	5,25,000	5,00,000
3. Nursery plants for replantation	(No.)	2,50,000	2,50,000	2,50,000
Total (Item 2 & 3)		7,50,000	8,75,000	7,50,000

### Development of Horticulture :

2.45. The scheme A(P) 19.1 "Development of Horticulture and setting up of Garden and Nurseries" aims to develop the fruit industry on sound footing and covering an additional area of 2600 hectares under fruit plantation during 1984-85. Provision of Rs. 75.00 lacs has been made for 1984-85 for this scheme.

2.46. Funds have also been provided for the development of horticulture along with the 5 selected watersheds namely Dholbaha, Janouri, Maili, Chohal and Patiala-ke-Rao under the scheme A(P) 19.2 "Kandi Watershed and Area Development Project". Besides loan, 50% subsidy on fruit plants, barbed wire etc. will also be granted. It is proposed to cover an area of 200 hectares under new plantation during 1984-85.

2.47. It is proposed to provide pesticides to growers on "No-profit No-loss" basis under the new scheme A(P) 19.3 for the control of pests and diseases for which a sum of Rs. 12.00 lacs has been provided for 1984-85.

2.48. The main object of the schemes A(P) 20.1 "Production and Multiplication of Potato Seed Development of Vegetables in Rural Areas and Grant of Cold Storage" is to increase the production of seed potato and cultivation of vegetables in rural areas and to set up cold storages in the State.

2.49. In Punjab, potato is one of the important crops. It yielded an estimated gross income of Rs. 57.50 crores to the growers during 1977-78. At present there is an estimated area of 40,000 hectares under potatoes having a production of 8 lac tonnes. During 1984-85 it is envisaged to bring an additional area of 2,000 hectares. At present, the production and multiplication of seed potato is covered at 7 Potato Seed Farms and about 20,000 quintals of seed potato is produced. This production is quite insufficient for the area being covered under the vegetables. During the year 1984-85 it is planned to increase the production of seed potato to 30,000 quintals. The area under other vegetables such as tomato, carrot, cabbage, onions, lady finger etc. is about 40,238 hectares with estimated production of 0.04 lac M. tonnes. During 1984-85, area under vegetable will be increased to 45,000 hectares. The major increase in the area will be concentrated

around big cities and their adjoining rural localities from where the produce can be easily transported to marketing centres. A sum of Rs. 111.00 lacs has been provided for 1984-85 for this scheme against an anticipated expenditure of Rs. 110.00 lacs during 1983-84.

### Preservation of Fruits :

2.50. The main object of this programme/scheme A(P) 21.1 is to demonstrate the utilisation of market surplus and 'B' grade cull fruits and vegetables, so as to make available the proposed products for consumption during the off-season. Fruit preservation laboratories are functioning in the State at Patiala, Hoshiarpur and Atbohar. In addition to this, one community canning centre is functioning at Amritsar to encourage prepreservation of fruits and vegetables for home consumption. It is proposed to extend this facility throughout the State. A sum of Rs. 12.00 lacs has been provided for this scheme for 1984-85.

### Marketing of Horticulture Produce :

2.51. Punjab Horticulture Corporation has also been set up in the State. All the commercial operations including production of nursery plants marketing and utilisation of fruits will be handled by this Corporation. A sum of Rs. 10.00 lacs has been provided for the Corporation under the scheme A(P) 22.1 "Share capital for setting up Punjab Horticulture Corporation."

2.52. The total provision for the Department of Horticulture for 1984-85 has been proposed as Rs. 140.50 lacs against the anticipated expenditure of Rs. 132.50 lacs during the current year.

### FOOD :

2.53. Under this sub-head there are two schemes namely "Acquisition of land for Open Storages/Complexes" and "Construction of Godown". The foodgrain storage godown with a storage capacity of 4,000 tonnes is under construction at Dhuri in Sangrur district. This godown could not be completed earlier due to some dispute between P.W.D. and the Contractor, which has now been settled and the work is in progress. A token provision of Rs. 5.00 lacs has been made for 1984-85 for these two schemes of the Department while during the current year there is no provision.

## SOIL CONSERVATION

2.54. Soil and water conservation works viz. levelling of land, bench terracing, gully reclamation, installation of underground pipelines, construction of surface storage tanks for supplementary irrigation, etc. are aimed at conserving rain water and conservative use of available irrigation resources for optimum production on sustained basis. These works also aim at maximum utilisation of natural resources of soil and water for optimum production and at the same time ensuring that their quality and quantity does not deteriorate which may otherwise affect the productive capacity of resources of the State. Soil and water conservation measures are, therefore, necessary to conserve soil and water resources to obtain optimum return from the land.

2.55. 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 Annual Plan 1984-85 are given below :—

(Rs in lakhs).

Department	1983-84 1984-85	
	Outlay	Outlay
1	2	3
Soil Conservation and Engineering ..	260.00	245.00
Forests ..	250.00	262.00
Total ..	510.00	507.00

**Soil Surveys**

2.56. In order to assess the magnitude of the problem of soil conservation and work out remedial measures, detailed soil survey of command, problem and other areas of the State is necessary. In fact soil surveys are crucial to adjust the proper and optimum use of land capability for scientific development of Agriculture, formulation of

cropping pattern, proper soil and water management, land development, land reclamation and other management practices. 15 field parties supervised by three controlling officers are in position for carrying on detailed soil survey of the State for effective planning, resource assessment and delineating the problems and suggesting remedial measures. An area of 1,52,477 hectares was surveyed during 1980-81, 2,50,293 hectares during 1981-82 and 2,53,545 hectares during 1982-83. An area of 2,50,000 hectares is proposed to be surveyed during 1984-85 against anticipated achievement of 2,40,000 hectares during the current year. An outlay of Rs. 14.00 lakhs has been provided under the scheme SC (A) 1.1 'Soil Survey in the State' to meet the expenses on account of staff during 1984-85.

**Education Research and Training**

2.57. The Soil Conservation Training Institute Hoshiarpur imparts training to surveyors and agricultural sub-inspectors. Refresher courses for Agricultural Inspectors and other categories of staff are also held in this Institute. Expenditure incurred for providing training to officers and Agricultural Inspectors at the Government of India Training Institutes is also met out of this scheme. It is envisaged to impart training to five gazetted officers and 20 non-gazetted officials during 1984-85. Besides, demonstration of approved soil conservation practices and research trials will also be carried out. An outlay of Rs. 3.00 lakhs has been provided for this programme in the Annual Plan 1984-85.

**Soil Conservation Programme**

2.58. During 1984-85 it is proposed to carry out soil conservation measures over an area of 14,00 hectares in sub-montane and other areas of the State against anticipated coverage of 14,050 hectares during 1983-84. The main thrust of the Department would be on land levelling in 7330 hectares and laying of underground pipelines in 5,05 hectares. Details of various works are as under :—

**Submontane/Kandi Areas**

2.59. The schemes namely 'Soil and Water Conservation on water shed basis', 'Pilot Project on

development of Kandi area with World Bank Assistance' and 'Pilot Demonstration Soil Conservation-cum-Development Project in Kandi tract' are being implemented in the sub-montane region of the State. In the kandi tract where lands are sloping and undulating intensity of rainfall is high, soil erosion through water is a serious problem. It is not only top soil which is washed away but the run-off causes serious problems of flash floods and spreads coarse soil on fertile developed lands in the plain areas. The problem of soil erosion through water also exists along the banks of rivers. It has been estimated that in the Kandi region an area of 2.30 lakh hectares is affected by further erosion which remains to be tackled. Bench terracing, land levelling, installation of irrigation conveyance system, reclamation of the gully land and construction of surface storage tanks are required to conserve soil and water resources and develop them further for improving agricultural productivity. On the basis of a survey, it has been estimated that 1.96 lac hectares of area requires land grading and bench terracing and about 30,000 hectares require gully reclamation measures.

2.60. Total area covered under various soil conservation measures upto 1982-83 was 3,72,251 hectares, out of which 3381 hectares were treated during 1982-83 for which an expenditure of Rs. 112.62 lakhs was incurred out of State Plan funds. It is proposed to carry out various measures over an area of 4000 hectares during 1983-84 and an equal area during 1984-85 in sub-montane tract of the State.

2.61. An outlay of Rs. 90.00 lakhs has been provided in the Plan under the scheme SC(A) 3.1 Soil and Water Conservation on watershed basis' for undertaking soil conservation measures over an area of 2720 hectares during 1984-85. Besides, Integrated

watershed management programme is being implemented through World Bank assistance in the catchments of five Choes of sub-mountainous area of the State. An outlay of Rs. 77.00 lakhs has been provided in the Plan under the scheme SC(A) 3.2 'Pilot Project on development of Kandi area with World Bank assistance' for treatment of 11230 hectares of area under various soil conservation measures during 1984-85.

2.62. The Scheme SC(A)3.3 'Soil and Water Conservation Programme in other areas of the State' is mainly being implemented with institutional finance. An outlay of Rs. 51.00 lakhs has been provided under this scheme in the 1984-85 Plan. It is proposed to utilise institutional finance to the extent of about Rs 3.00 crores during 1984-85 for the implementation of this scheme. An area of 10,000 hectares would be covered in the plains. The main programmes during 1984-85 would be laying of underground pipelines over an area of 4000 hectares and land levelling in 6000 hectares.

2.63. 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 1984-85. 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. 10.00 lakhs has been provided in the Plan for this purpose for construction of surface storage tanks/mini dams which will benefit about 50 hectares of land. The water stored in the tanks will be purposefully utilized 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.

2.64. Physical targets and achievements as well as schemewise detail of physical targets for the Annual Plan 1984-85 are given in tables below:—

Table 2.14 Physical Targets and achievements of Soil Conservation works

Item	Unit	Targets		Achievements		Targets		
		1980-85	1980-81	1981-82	1982-83	1983-84	1984-85	
1	Unit	2	3	4	5	6	7	8
Soil Conservation and Water Management —								
(i) Land Levelling	.. Hect.	32000	2438	4787	5285	4972	7330	
(ii) Bench terracing	.. ..	14000	3746	2872	1899	916	980	
(iii) Contour bunding and gully reclamation	.. ..	5000	222	40	—	235	300	
(iv) Laying of under ground pipelines	.. ..	46500	3342	6618	5394	7205	5305	
(v) Lining of water courses/field drainage	.. ..	7500	2905	3660	2007	600	—	
(vi) Water Harvesting Tanks	.. No."	—	—	—	—	122	85	
		(17)	—	(3)	—	(12)	(9)	
		105000	12653	17977	14585	14050	14000	
(vii) Laying of under ground pipelines	Kms.	2300	139	280	230	360	260	

TABLE 2.15 Schemewise physical targets for the year 1984-85

(Area in Hectares)

Name of the scheme	Targets 1984-85						Total
	Land levelling	Bench terracing	Contour bunding and gully reclamation	Under ground pipelines	Lining of water courses/field drainage	Water Harvesting tanks	
SC(A) 3.1 Soil and Water Conservation on water shed basis	950	500	100	1170	—	—	2720
SC(A) 3.2 Pilot Project on 'Development of Kandi area with Word Bank Assistance	380	480	200	135	—	35 (4)	1230 (4)
SC(A) 3.3. Soil and Water conservation programme in other areas of the State	6000	—	—	4000	—	—	10,00 0
SC(A) 3.4. Pilot Demonstration Soil Conservation-cum-Development project in Kandi tract on Sukhomajri pattern	—	—	—	—	—	50 (5)	50 (5)
Total	7330	980	300	5305	—	85 (9)	14000 (9)

(Figures in brackets indicate number of surface storage tanks and mini dams).

## Forest Department Soil Conservation.

2.65. To achieve integrated development of land and water resources in five catchments of Maili, Dholbaha, Janauri, Chohal and Patiala-Ki-Rao upto their outfalls, an important project of 'Kandi Water shed and Area Development' has been taken up with financial assistance from the World Bank.

2.66. 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 socioeconomic condition of the inhabitants of this area, the Kandi Project covers the 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.

2.67. Under the World Bank assisted Kandi Water Shed and Area Development Project afforestation over an area of 7200 hectares would be carried out during 1984-85 in the upper catchments of 5 choes. An outlay of Rs. 245.34 lakhs has been provided for this purpose. Besides a sum of Rs. 5.00 lakhs has been provided for meeting the expenses of the Project Planning and Cordination unit. Under another schemes 'Soil and Water Conservtion on watershed basis' an outlay of Rs. 11.66 lakhs has been provided for afforestation over an area of 400 hectares in sub-montane tract of the State.



## CHAPTER III

# Agriculture and Rural Development (II)

Agriculture and Rural Development form an important sector of the State's economy. In view of the limited scope of addition to net area sown in the State, increased stress is being laid on the diversification of agriculture and on bringing profitability from other allied activities like animal husbandry, dairying, fisheries, forestry, etc. Besides, in order to reduce rural-urban disparity, enlarged provision is being earmarked for Community Development and Panchayat works to encourage peoples' participation. Development programmes in these fields are discussed below :—

### ANIMAL HUSBANDRY

3.2. Livestock occupies a pivotal position in the life of the people especially in rural areas of the State. They are still the main source of draught power in agricultural operations and transportation. They provide essential food of animal origin like milk, meat and eggs. For many years to come, livestock is likely to continue to be the main-stay of agricultural operations, particularly of small and marginal farmers in the State. The growing pressure of human population on land has resulted in reduction in the size of holdings. The cost of production of crops is continuously on the increase causing reduction in the net income especially of small/marginal farmers. Thus, stress is being laid for diversification of agriculture through adoption of mixed farming where livestock development plays an important role. Moreover, as the growth curve for cereals tends to flatten out, it becomes necessary to accelerate the pace of development in allied agricultural activities. Livestock production through the weaker sections of farmers in the rural areas could also be relied upon as a major instrument of social change for supplementing the income and providing a large scope for self-employment of these sections of people in the rural areas.

3.3. Animal Husbandry has been accorded high priority with a view to augmenting milk production and subsidiary food. Stress has been laid on the breed improvement, health cover and feed and fodder programmes for the accelerated development of cattle, poultry, piggery, sheep and

wool. Against an anticipated expenditure of Rs. 5.00 crores in 1983-84, an outlay of Rs. 6.20 crores has been provided for the year 1984-85.

3.4 Details of programme-wise outlays for 1984-85 as compared with 1983-84 are as under :—

(Rs. in lakhs)			
Sr. No.	Name of the programme	1983-84 outlay	1984-85 outlay
1	Direction and Administration	3.95	4.24
2	Veterinary Services and Animal Health	68.54	113.79
3	Veterinary Education and Research	66.00	66.00
4	Investigations and Statistics	4.27	6.37
5	Cattle Development	79.15	91.38
6	Poultry Development	9.81	16.22
7	Sheep and Wool Development	9.00	11.73
8	Piggery Development	15.25	16.71
9	Other Livestock Development	227.41	269.96
10	Feed and Fodder Development	16.62	23.64
Total :		500.00	620.00

3.5. The various development programmes are discussed as under :—

### Veterinary Services and Animal Health.

3.6. An outlay of Rs. 113.79 lakhs has been provided for this programme for 1984-85. The programme aims at setting up of new veterinary dispensaries/hospitals and upgrading existing dispensaries into hospitals to provide adequate and effective health cover for the improvement and preservation of cattle wealth to increase the productivity of indigenous livestock because exotic/cross bred animals are more susceptible to diseases. At the end of 1982-83, there were 769 veterinary hospitals manned by qualified Veterinarians on both plan and non-plan sides. Out of these, 421 veterinary hospitals are being maintained on the plan side for which an outlay of Rs. 202.75 lakhs has been provided in the Annual Plan for 1984-85. Of the total number of 769 veterinary hospitals, 42 veterinary hospitals at district/sub-divisional level where staff is inadequate, buildings are damaged and provision of medicines/equipment is insufficient

would be strengthened for which an outlay of Rs. 49.10 lakhs has been provided.

3.7. At the end of 1982-83, there were 467 veterinary dispensaries both on plan and non-plan sides. Out of these 110 veterinary dispensaries are being maintained on the plan side for which a provision of Rs. 20.00 lakhs has been made in the Annual Plan 1984-85. For providing multi-disciplinary

services to combat animal diseases, reproductive disorders and nutritional imbalances, three poly-clinics already set up would continue during 1984-85 for which a sum of Rs. 14.30 lakhs has been provided

3.8. Table 4.1 indicates year-wise number of new veterinary dispensaries opened and veterinary dispensaries upgraded into veterinary hospitals during the Sixth Plan period.

TABLE 3.1

## Physical Achievements and Targets regarding Veterinary institutions

Veterinary Institutes	Unit	Position 1979-80 (As on 31.3.1980) (Base year)	Achievement			Target	Target
			1980-81	1981-82	1982-83	1983-84	1984-85
1	2	3	4	5	6	7	8
<b>1. Veterinary Hospitals</b>							
(i) New	No.	..	105	—	—	—	—
(ii) Upgraded	"	..	—	5	3	—	—
(iii) Net increase	"	..	105	5	3	—	—
(iv) Total at the end of the year	"	656	761	766	769	769	769
<b>Veterinary Dispensaries—</b>							
(i) New	No.	—	100	—	10	—	—
(ii) Upgraded into hospital	"	—	—	2	1	—	—
(iii) Net increase/decrease	"	—	100	(—)2	9	—	—
(iv) Total at the end of the year	"	360	460	458	467	467	467
Total Veterinary Dispensaries/hospitals at the end of the year	"	1016	1221	1224	1236	1236	1236
Livestock population	No. lac.	104.42	107.03	109.71	112.45	115.26	118.14
Heads of Livestock served per Veterinary Dispensary/Hospital	No. '000	10.28	8.77	8.99	9.10	9.32	9.55
<b>Stockmen Centres</b>							
(i) New	No.	..	—	—	—	—	—
(ii) Upgraded into hospital	"	..	—	3	2	—	—
(iii) Net increase/decrease	"	..	—	(—)3	(—)2	—	—
(iv) Total at the end of the year	"	578	578	575	573	573	573
Artificial Insemination Centres	No.	46	46	46	46	46	46

3.9. Besides, funds have also been provided for other main schemes as given below :—

3.10. Biological product section of the Punjab Veterinary Vaccine Institute, Ludhiana will be expanded to take up additional production of flury vaccine, tissue culture vaccine and other antigens to meet the increasing demand of the veterinary institutions in the State.

3.11. Existing medical store set up at Jullundur would be expanded to handle the increased work load of distributing medicines to the veterinary institutions.

3.12. For the control of foot and mouth disease, prophylactic vaccination of exotic and

crossbred animals would be intensified as these animals are more susceptible to rinderpest disease. 2.00 lakh vaccinations would be performed during 1984-85. Subsidized vaccinations would be carried out and rupee 1 per dose would be charged from livestock owners.

**Veterinary Education and Research**

3.13. A grant -in-aid of Rs. 66.00 lakhs has been provided for the implementation of various veterinary research, education and extension schemes of the Punjab Agricultural University, Ludhiana in the Annual Plan 1984-85 against an equal outlay during the current year.

## Cattle Development

3.14. The thrust of the Cattle Development Programme is towards increased production of milk. The total milk production in 1982-83 has been estimated at 3599 thousand tonnes giving a per capit a availability of 572 grams per day.

3.15. There were 2904 thousand milch buffaloes and 1073 thousand milch cows in 1982-83. Buffaloes also give a higher average daily milk yield of 3.813 litres as against 2.660 litres in the case of the cow as per the sample survey carried out by the Department. In the Annual Plan 1984-85, milch cattle development would cover both cows and buffaloes but the accent will be on the latter. The buffalo is still the premier milch animal in the State. The development measures proposed to be implemented during 1984-85 are discussed below :

(i) At present 35% of the breedable population of cows is being covered through artificial insemination with the semen of exotic/cross-bred bulls. Out of 1855 veterinary institutions 627 institutions are using frozen semen and the remaining 1228 institutions are using chilled semen. To show improved results of cross-breeding in the state, frozen semen technique has been adopted by setting up frozen semen bank-cum-bull stations. An other bull station-cum-semen bank is being established at Kapurthala. With the establishment of a new frozen semen bank and expansion of existing 3 banks, it is anticipated that about 70% of the breedable cow population would be covered.

(ii) Indo-Swiss Project is proposed to be expanded to further develop Holstein Friesian breed in the southern districts of the State for the purpose of cross

breeding of local animals. Bull station-cum-semen laboratories/banks set up at Patiala and Nabha for the processing and storage of deep frozen semen will be expanded with 150-200 bulls at both the Stations. Deep frozen semen facilities are being provided to about 400 Units in the project area. During 1984-85, 100 more insemination units are proposed to be added to intensify the cross-breeding facilities.

(iii) It is proposed to improve the buffaloes through selective breeding and use of progeny tested bulls. Evaluation of the performance of buffalo-bulls will be carried out in the field conditions on enhanced scale. A large number of bulls will be tested on reasonably large number of daughters. This would give a better appraisal of the breeding value of bulls and would provide increased scope for selecting high quality bulls. An elite herd of 200 buffaloes producing good pedigreed bulls built up at Buffalo Breeding Farm, Nabha would be further strengthened by adding 40 more buffaloes to the existing herd.

(iv) Under the special livestock production programme for rearing of cross bred heifers and setting up of poultry, piggery and sheep units, subsidy will be given for setting up of 244 poultry units and 146 piggery units during 1984-85, and in the form of food concentrates for rearing of 6300 cross-bred heifers.

3.16. The table below gives the number of Milch Cattle and milk production by type of cattle in the State.

TABLE 3.2  
Stock of Milch Cattle and Milk Production by Type of Cattle

Item	Unit	1979-80	1980-81	1981-82	1982-83	1983-84 Target	1984-85 Target
1	2	3	4	5	6	7	8
1. Milch Cattle	Thousa- nd No.	3568	3699	3834	3977	4124	4276
2. (i) Buffaloes	Do	2555	2666	2782	2904	3031	3163
(ii) Cows	Do	1013	1033	1052	1073	1093	1113

3. Milk Production	Thousand Tonnes	3059	3221	3494	3599	3997	4250
(i) Buffaloes	Do	2420	2558	2684	2807	2913	3102
(ii) Cows	Do	639	663	810	792	1084	1148
4. Per capita availability of milk per day.	Gms.	524	541	567	572	622	649

### Poultry Development

3.17. Poultry Development provides employment both in rural as well as urban areas, supplies nutritive food to the consumers in the form of meat and eggs and manure for use in the field. Poultry production made rapid strides in the last decade. The Poultry Population in the State during 1982-83 was 69.59 lakhs which is proposed to be raised to 97.16 lakhs during 1984-85. Egg production was estimated at 629 millions in 1982. It would be raised to 782 millions in 1984-85 from the anticipated production of 703 millions in 1983-84. An outlay of Rs. 16.22 lakhs has been provided for this programme for 1984-85.

3.18. The present production of 4.00 lakh pullets will be increased to 5.00 lakhs through the expansion of hatcheries by providing additional layers, incubators and by optimum utilisation of existing facilities at the poultry farms. For the production of day old pullets, Govt. Poultry Farms are functioning at Gurdaspur, Jullundur, Patiala, Kot-Kapura and Malerkotla, which have 2000-3000 layers and 20,000 to 30,000 eggs capacity hatcheries. The farms have the capacity and facilities to maintain 3000 to 4000 layers. To meet the growing demand of day old pullets, it is proposed to provide atleast 1000 additional birds at each of the Poultry Farms at Gurdaspur, Jullundur, Kot-Kapura and Malerkotla. It is also proposed to construct new sheds at these farms and to provide incubators of 30,000 eggs capacity.

3.19. The meat eating population is increasing day by day. The mutton meat alone cannot meet the requirements. The wide gap between the demand and supply can be reduced with the broiler meat.

3.20. A few franchise hatcheries produce day old broiler chicks on a very limited scale and also charge very high rates. The existing Govt. Poultry Farm at Patiala has thus been converted into a

Broiler Project, where 1.50 lac day old chicks are being produced annually and supplied @Rs. 2/- each to the interested breeders. A broiler project would be expanded for raising day old hybrid broiler chicks annually. A parent stock of 4000 birds will be maintained at the farm during 1984-85.

### Sheep Development

3.21. Sheep population was about 4.50 lakhs as per last census. According to the sample survey carried by the department, the annual average wool yield of a ram was 3.378 Kg., of an ewe 1.953 Kg. and of a lamb 1.950 Kg. Total wool production during 1982-83 was estimated at 13.00 lakh Kg. This is proposed to be increased to 14.00 lakh Kg. in 1984-85 from the anticipated production of 13.50 lakh Kg. in 1983-84.

3.22. Sheep population is dwindling because the sheep breeders do not find grazing lands due to intensive cultivation of land. The programme includes the supply of adequate number of cross-bred rams for providing breeding facilities to the sheep breeders. Corriedale rams would be maintained at the sheep and wool extension centres. At present 38 sheep and wool extension centres are providing services for regular drenching, timely vaccination, dipping, spraying and general treatment of sick sheep so as to reduce the incidence of mortality and to ensure increased production of wool and mutton. During 1984-85 these centres would continue. For effective health cover, adequate supply of anthelmintics, antibiotics, insecticides and other sheep vaccine would be made available. An outlay of Rs. 11.73 lakhs has been provided for sheep development during 1984-85.

### Piggery Development

3.23. Pig population was estimated at 1.09 lakhs as per 1977 census. With the rising standard of living people are becoming more conscious of nutritious food and consequently the demand for consumption of pork and pork products is also increasing. The

demand for piglets has also increased because pigs are highly prolific and rapid growers and can quickly be multiplied to meet the increasing demand for animal proteins. The existing 8 pig breeding farms are not in a position to meet the ever growing demand for piglets from the breeders. In order to meet the increased demand of quality piglets, it is proposed to raise the herd strength at these farms to 200 sows. Expansion of pig farms at Nabha and Kharar would continue during 1984-85 to raise the strength of breeding sows to 200. At Kharar pigs will be fattened to ensure regular supply of fattened stock. To make pig rearing more profitable, it is proposed to supply weaners on subsidized rates and to supply ingredients like rice polish and mollasses at controlled rates. An outlay of Rs. 16.71 lakhs has been provided for this programme in the Annual Plan 1984-85.

#### **Fodder Development**

3.24. 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 area under fodder crops. Under this situation emphasis will be laid on increasing the production per unit area. As perennial supply of fodder is a vital component of livestock development programme for increasing milk production in the State, the following measures have been proposed to ensure regular and adequate supply of fodder.

- (i) Seed multiplication arrangements for the production of improved and certified seeds will be made through the closer coordination between the Research Institute, Seed Agencies and farmers.
- (ii) For popularization of fodder varieties, 1900 quintals of improved fodder seeds will be produced as against the supply of 1000 quintals during 1982-83 and likely supply of 1770 quintals during 1983-84. Besides 3000 demonstration plots will be laid during 1984-85 against the anticipated achievement of equal number of demonstration plots during 1983-84. 400 hectares of area will be covered during 1984-85 for the production of fodder seed through the registered

growers against the anticipated achievement of 370 hectares during 1983-84.

- (iii) Production at the existing Government farms at Mattewara, Nabha and Kule-Majra would be increased.

#### **Other Livestock Development Programme**

3.25. The animal husbandry component under the World Bank assisted 'Kandi watershed and Area Development Project' would continue during 1984-85 in the five catchments up to their out falls. Under this programme, 500 crossbred cows/high yielding buffaloes would be supplied to the local inhabitants of the Kandi tract to replace the existing stock of local uneconomical and low yielding cattle as against the target of 600 crossbred cows/high milk yielding buffaloes during 1983-84. 2000 inseminations would be performed to improve the local breeds. 50% subsidy for the supply of 5000 quintals of cattle feed would be provided against 4000 quintals anticipated during 1983-84. 50% subsidy for the supply of 5000 quintals of hay/wheat bhusa would also be provided against an equal quantity anticipated during 1983-84. 10 Poultry units and 30 piggery units would also be set up during 1984-85 at current year's level.

#### **DAIRYING AND MILK SUPPLY**

3.26. For enhancement of milk production and to provide marketing facilities to the milk producers in the State, an outlay of Rs. 55.00 lakhs has been provided in the Annual Plan 1984-85 for the implementation of various schemes under the sub head Dairying and Milk Supply. In addition to the departmental programmes of dairying, National Dairy Development Project Operation Flood-II has been taken up in the Co-operative Sector in the State to develop self-sustaining and selfsupporting dairy industry with financial assistance from Indian Dairy Corporation/National Dairy Development Board. In the State Plan Schemes the main thrust of the department would be to organize intensive dairy training programmes so as to provide essential know-how in dairying to farmers and un-employed youngmen/women so as to enable them to establish mini dairy farms for improving the socio-economic conditions of the people belonging to weaker sections of the society.

3.27. Various programmes/schemes to be implemented during 1984-85 are discussed below :

#### Dairy Development

3.28. To ameliorate the economic conditions of the people residing in border, sub-montane, bet and other backward areas of the State, the Dairying and Milk Supply Department took in hand the setting up of 10 milk chilling-cum-demonstration centres in the State to provide regular and remunerative marketing facilities to the inhabitants of the areas. Out of these, one chilling centre during 1980-81 and three chilling centres during 1982-83 were commissioned. The work at the five centres at Lassara (Jullundur), Changaliwala (Sangrur), Sardulgarh (Bhatinda), Ghallu (Ferozepur) and Jaurian Kalan (Gurdaspur) would remain in progress during 1984-85. An outlay of Rs. 21.00 lakhs has been provided in the Annual Plan 1984-85 for completion of these milk chilling-cum-demonstration centres in the State. Each chilling centre would have a handling capacity of 5,000 litres of milk expandable to 10,000 litres. These chilling centres would encourage subsidiary occupations and help the milk producers to produce milk on commercialised basis.

3.29. With a view to providing self-employment to educated youngmen/women belonging to weaker sections of the society in rural areas for introducing scientific and commercialized milk production, 21 days training will be imparted to 720 candidates during 1984-85. Stipend at the rate of Rs. 100 per mensem will be paid to each trainee. After the completion of training, the trainees will be assisted to get loans @ Rs. 15,000 from various financial institutions for the purchase of upto 5 milch animals. Besides, the following subsidies are also proposed to be provided to the trainees :—

- (i) Interest subsidy @ 5% on loan per annum for the purchase of animals for three years.
- (ii) 2/3 insurance premium per animal for 12 months provided 1/3 is paid by the beneficiary.
- (iii) Subsidy @ Rs. 240 per animal for the purchase of cattle feed.

3.30. An amount of Rs. 15.00 lakhs has been provided under the special employment scheme during 1984-85.

3.31. Under the plan scheme "Providing of subsidy for the construction of model cattle sheds to small and marginal farmers" 400 families belonging to the weaker sections and who are maintaining at least 5 milch animals would be identified for grant of subsidy for the construction of model cattle sheds @ Rs. 1,000 per family. The remaining amount of Rs. 3,000 would be borne by each beneficiary from his own resources. An outlay of Rs. 4.00 lakhs has been provided for this purpose during 1984-85.

3.32. For imparting technical know-how to the farmers in the scientific technique of feeding, breeding and better managerial practices to encourage diversification of Agriculture by taking up supplementary activities of dairying, etc., the extension/training services will be continued in the State during 1984-85. It is envisaged to impart training to 1,220 farmers/milk producers in 5 days/one month training courses in scientific dairying. The trainees will be paid messing charges @ Rs. 5 per day. An outlay of Rs. 4.50 lakhs has been provided for this purpose.

#### Other Programme

3.33. As per terms of agreement executed with UNICEF, Punjab Government will arrange to supply in a period of 10 years milk worth Rs. 50.00 lakhs equal to 1-1/2 times the landed value of machinery donated by UNICEF. Subsidized milk would be supplied to the scheduled castes, backward classes and other weaker section of the society in the ratio of 2 : 1 : 2 respectively in the periphery of Ludhiana City. An amount of Rs. 5.00 lakhs has been provided during 1984-85. An outlay of Rs. 1.00 lakh has been provided for strengthening the Headquarters staff to enable the department to streamline its activities.

#### FISHERIES

3.34. According to the survey conducted during 1980-81 by the Department, there are 12,263 ponds, covering an area of 7,034 hectares in Punjab. Out of this, 7,133 ponds, covering an area of 4,370 hectares can be brought under

fish culture after renovation etc. In addition to village ponds 1,200 hectares of back-water and 4,400 hectares of depressions along the canals in the form of continuous strips, are available. Thus the total impounded area in the State available for fish culture, is approximately 9,970 hectares. In addition to this, Punjab has got, enormous water resources, in the form of rivers, canals and their distributaries with a total length of 15,275 Kms. Besides, there are over 5 lakh tube-wells and pumping sets in the State, which can also be fruitfully utilised for raising fish production in the State. Thus, Punjab has great scope for supplementing agriculture by aquaculture.

3-35. Out of 118 blocks in the State fish culture programmes were introduced in 108 blocks covering water area of 1,102 hectares upto the close of 1982-83. During 1983-84, it is envisaged to bring additional 335 hectares of water area under fish culture. Out of these, 220 hectares would be covered under Fish Farmers Development Agencies at Gurdaspur, Jullundur, Amritsar and Ludhiana. 65 hectares of water area would be brought under fish culture by introducing intensive fish farming in rural areas under self-employment programme and 50 hectares of water area could be covered under the Special Component Programme. During 1984-85, it is proposed to bring 365 hectares of water area under fish culture additionally. Thus to cover 1802 hectares of water area and to bring the remaining 2568 hectares of village ponds under intensive fish culture, the requirement of fingerlings will be to the extent of 2.19 crores annually if stocked @ 5,000 finger-lings per hectare. The production capacity of the nine Fish Seed Farms and eleven nurseries when completed will however, be to the extent of 88.50 lakh finger-lings annually.

3-36. An outlay of Rs. 75.00 lakhs has been provided for 1984-85 for the development of fisheries as against the anticipated expenditure of Rs. 55.00 lakhs during the current year. Main programmes/schemes for the Annual Plan 1984-85 are discussed below :—

#### **Fish Farms :**

3-37. Under this programme, the Fisheries Department envisages the completion of construction work on one fish seed farm at Birdosanj, Nabha and one fish seed nursery at Mohi (Ludhiana) for which an outlay of Rs. 8.00 lakhs has been

provided during 1984-85. Besides this, it is also proposed to complete the construction of one more fish seed farm in the vicinity of Shah-Nehar Reservoir which when completed would yield 5 lakh fingerlings annually for stocking the reservoir (200 hectares of water areas). An outlay of Rs. 9.50 lakhs has been provided for this farm during 1984-85.

3-38. Under the World Bank assisted Kandi Water shed and Area Development Project, the construction work would be taken up at fish seed farm Hariana in district Hoshiarpur while fish seed farm Ropar will come into production during 1984-85. The two fish seed farms will help to develop fisheries potential by stocking fingerlings of carps in the proposed Reservoirs to be constructed on the choes and in riverine stretch of river Sutlej from Ropar headwork upstream to Nangal headworks. An outlay of Rs. 33.00 lakhs has been provided during 1984-85 for this purpose.

3-39. It is contemplated to disseminate technical know-how of fish culture technology by way of Publicity, exhibition of film shows and other audio-visual media for mobilising people to adopt fish farming. It is envisaged to depute one District Fisheries Officer/Assistant Director for higher technical training course of 2 years duration at Central Institute of Fisheries Education, Bombay, three fisheries officers for one year's fisheries training course at Central Fisheries Research Institute Barrakpur (Calcutta) and three fishermen/field assistants for nine months training course in inland Fisheries operations at Regional Training Centre, Agra, during 1984-85. An outlay of Rs. 0.50 lakh has been provided for 1984-85 for the training programme.

#### **Inland Fisheries :**

3-40. To uplift the rural economy and to provide self-employment opportunities to the un-employed rural people, it is proposed to introduce intensive fish farming in rural areas to utilize water areas to the extent of 65 hectares for fish farming by giving 25 per cent subsidy both for excavation and renovation of ponds/tanks. 55 hectares of water area will be newly excavated and another 10 hectares will be renovated during 1984-85.

3-41. Under the Plan Scheme "Assistance to Fish Farmers Development Agencies of Gurdaspur, Amritsar, Jalandhar, Ludhiana and Sangrur,"

it is expected that 250 hectares of water area will be brought under fish culture by all these 5 agencies functioning in the State. An outlay of Rs. 10.00 lakhs has been provided during 1984-85 for this purpose as State share.

#### **Direction and Administration :**

3.42. For Scientific development of aquaculture in the State, it is proposed to strengthen the staff at Headquarters and in sub-offices by providing adequate technical and administrative staff. An outlay of Rs. 1.90 lakhs has been provided in the Annual Plan 1984-85 for this purpose. Economic and Statistical Cell in the Fisheries Department will continue during 1984-85 for which an outlay of Rs. 0.85 lakh has been provided.

3.43. The fish production is projected to grow from the anticipated production of 3400 tonnes in 1983-84 to 3500 tonnes in 1984-85.

#### **FORESTS**

3.44. After the reorganisation of the State in 1966, 1,850 sq. kilometres of forest area came to the share of Punjab out of the 20,000 sq. kilometres of forest area of erstwhile Punjab. This area has now increased to 2603 sq. kilometres by transferring some evacuee land, land of the Revenue Department and some area belonging to Defence Department. The forest area now constitutes 5.2% of the geographical area of the State.

3.45. The State is deficient in forest area as compared to the norm of 33% laid down under the National Forest Policy. Most of the forest area is situated in the hills of Ropar, Hoshiarpur and Gurdaspur districts. In view of the farm expansion that has taken place in the State, it would not be possible to enhance area under forests on a large scale. In this situation, intensive management of existing forest area has to be resorted to overcome the acute shortage of forest products such as timber, fuel-wood and industrial wood. Besides, trees are also planted along farm boundaries, roads and rail strips.

3.46. In the Annual Plan 1984-85 the main emphasis will be laid on the development of forests in the sub-montane areas of the State particularly Shivalik hills and distribution of plants among the people to cover the boundaries of their land-holdings, water channels, waste and marginal lands

owned by the individuals and Panchayats. Block-strips along railways, roads and canals will also be covered.

3.47. In order to continue the forestry operations in the State, an outlay of Rs. 491.00 lakhs has been provided in the Annual Plan 1984-85 against the anticipated expenditure of Rs. 450.00 lakhs during 1983-84. Main programmes/schemes to be implemented under this sub-head are briefly discussed below :

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

3.48. An outlay of Rs. 7.50 lakhs has been provided under this programme during 1984-85. It is proposed to undertake research regarding plantation techniques for extension of important species like Bhabbar grasses, Eucalyptus, Pines and other economic species suitable for different climatic and soil conditions, trial of medicinal plants and fodder grasses. In order to keep the staff abreast of modern techniques, training is imparted to field staff, namely, forest guards, foresters and deputy rangers at Forest School, Hoshiarpur. Besides this, refresher courses are also conducted for forest rangers. An outlay of Rs. 1.00 lakh has been provided in the Annual Plan 1984-85 for this purpose.

#### **Plantation Schemes :**

3.49. An outlay of Rs. 405.00 lakhs has been provided in the Annual plan 1984-85 for undertaking afforestation over the areas owned by the individuals and State waste lands under the control of the Forest Department. Plantation of economic species like shisham, Kikar, Eucalyptus, Mulberry, Khair, Bamboos and Chil would be raised in block forests and strips along railways, roads and canals to meet the agricultural, domestic and industrial requirements. The existing tree crops of inferior species would be replaced by superior species of economic trees. Under the main scheme of plantation of Sisso, Babul, Eucalyptus, Chil, etc., a sum of Rs. 190.00 lakhs has been provided in 1984-85 for raising plantations over 4300 hectares of area to supplement wood resources. Strip plantations would serve as shelter belts and wind-breaks against soil erosion and hot dry winds.

3.50. An outlay of Rs. 5.00 lakhs has been provided in 1984-85 under the plan scheme, 'Development of forests in community lands'. It is envisaged



to plant 80 hectares during 1984-85. Initially the expenses of plantations would be borne by the Government and the aftercare including maintenance and protection will be the responsibility of owners of the lands.

**3.51.** Under the plan scheme 'Farm Forestry' it is proposed to supplement the forest wealth by planting of trees by the people in their agricultural fields, along the boundaries of their holdings, edges of water channels along village paths, in schools and various other institutions and private waste lands for which an outlay of Rs. 120.00 lakhs has been provided in 1984-85 in the State Plan. It is also proposed to cover an area of 1800 hectares under National Rural Employment Programme for which state share of Rs. 36.00 lakhs has been provided in the Annual Plan 1984-85. An equal amount would be contributed by Government of India.

**3.52.** Under the Central Sector Scheme 'Soil Water & Tree Conservation', it is aimed to have an integrated development of watershed through the adoption of various afforestation and soil conservation measures. During 1984-85, 2500 hectares of area would be covered under plantations. Under another Centrally sponsored scheme, 'Raising of Fuel Wood Plantations' an area of 2600 hectares would be brought under afforestation during 1984-85 in addition to distribution of 100 lakh plants to the people. An allocation of Rs. 90.00 lakhs has been provided as State share during 1984-85.

**3.53.** Under the World Bank Assisted "Kandi Watershed and Area Development Project" afforestation over an area of 7200 hectares would be carried out during 1984-85 in the upper catchments of five choes. In addition, afforestation over an area of 400 hectares would be done under the scheme "Soil and water conservation on watershed basis".

#### Preservation of Wild Life.

**3.54.** An outlay of Rs. 72.00 lakhs has been provided in the Annual Plan 1984-85 for this programme. Zoological Park which is considered a necessity in a progressive State for public recreation and rehabilitation of wild life is being established at Chhat Bir (Chandigarh). An outlay of Rs. 57.00 lakhs has been provided for this purpose in the Annual Plan 1984-85. This provision would be utilized for the construction of new buildings enclosures for animals and purchase of various species of animals/birds for the Zoo.

#### Other Programmes.

**3.55.** An outlay of Rs. 5.00 lakhs has been provided during 1984-85 for the construction of suitable office and residential buildings for the subordinate staff to improve their efficiency. A provision of Rs. 0.50 lakh has been made in the Annual Plan 1984-85 for the statistical Cell set up at the Headquarters for the collection of Statistical data relating to forestry operations.

**3.56.** Table 4.3 below indicates physical targets and Achievements in respect of afforestation works during the Sixth Plan.

**TABLE 3-3**  
Physical Achievements and Targets

Item	Unit	1980-81	1981-82	1982-83	1983-84		1984-85
		Achievement	Achievement	Achievement	Target	Anticipated achievement	Target
1	2	3	4	5	6	7	8
(a) Economic and Commercial Plantation	000' Hec.	11.57	13.87	13.42	20.60	19.10	19.48
b) Farm Forestry	No. of Plants (in lakhs)	67.12	210.88	450.31	560.00	475.00	350.00

## COMMUNITY DEVELOPMENT AND PANCHAYATS

3.57. Rural Development and Panchayats Department is concentrating mainly on the welfare activities and improvement of village sanitation by pavement of streets, construction of drains, construction of panchayat ghars and provision of facilities for promoting craft works such as tailoring, embroidery, cane work, doll making, soap making leather garments etc. The emphasis is also being laid on ameliorating the condition of the poorest people living below the poverty line under Integrated Rural Development Programme.

3.58. An outlay of Rs. 1417.00 lakhs has been provided for this sub-head of development in the Annual Plan 1984-85 against the anticipated expenditure of Rs. 1248.00 lakhs during the current year. The major emphasis will be laid on the implementation of Integrated Rural Development Programme for which an outlay of Rs. 674.00 lakhs has been provided for 1984-85. An amount of Rs. 570.00 lakhs has been allocated for implementation of the scheme 'Pavement of Streets and Construction of Drains'. The remaining schemes of the department which are relatively of low priority nature have been allocated a sum of Rs. 173.00 lakhs.

## INTEGRATED RURAL DEVELOPMENT PROGRAMME

3.59. Under Integrated Rural Development Programme capital subsidy to the extent of 25% to 33½% is being provided by the State Government and government of India on matching basis. Subsidy to the tune of 33½% subject to a ceiling of Rs. 3000 and loan upto Rs. 10,000 is given to a beneficiary for the establishment of a single industrial unit. An amount of Rs. 39.50 crore has been earmarked for the implementation of this programme for the 6th plan period. Besides, Bank loans are also being arranged by the District Rural Development Agencies for the identified beneficiaries to enable them to raise their income to cross the poverty zone. Interest on bank loans is being fully subsidized by the State Government.

## TRYSEM

3.60. The main thrust of this scheme is on 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. 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.

3.61. The progress under Integrated Rural Development Programme from 1980-81 to 1982-83 and the targets for 1983-84 are as under :—

(Rs. in lakhs)				
Item	1980-81 Achieve- ment	1981-82 Achieve- ment	1982-83 Achieve- ment	1983-84 Targets
1	2	3	4	5
1. Expenditure during the year	647.66	804.05	1093.22	944.00
2. Subsidy advanced				
(i) Scheduled Castes	252.62	315.22	459.84	350.00
(ii) Others	311.86	330.93	412.71	350.00
Total	564.48	646.15	872.55	700.00
3. Bank Loans advanced				
(i) Scheduled Castes	279.74	626.33	972.10	700.00
(ii) Others	775.07	500.74	888.84	700.00
Total	1054.81	1127.07	1860.94	1400.00
4. Beneficiaries covered				
(i) Scheduled Castes	26796	39931	52581	35400
(ii) Others	36565	46936	45854	35400
Total	63361	86867	98435	70800
5. Persons Trained under Trysem	2688	8671	16535	17314

3.62. An outlay of Rs. 472.00 lakhs has been provided under the scheme CD 4.1 'Assistance to Rural Development Agencies under Integrated

Rural Development Programme' for the Annual Plan 1984-85 @ Rs. 4.00 lakhs per block. An equal amount would flow from Government of India. It is envisaged to assist 70,800 families @ 30 families per block to enable them to cross the poverty line. Besides, an amount of Rs. 200.00 lakhs 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

3.63. The pavement of streets and construction of drains is an important programme aiming at improvement of village sanitation. Paved streets and drains have been provided in 1287 villages up to 1979-80 with the assistance provided out of State plan funds. 973 villages were covered under model village scheme and another 1451 villages under Rural Planning Programme during 1975 to 1978. The sanction of funds under this scheme from 1980-81 to 1982-83 and the targets for 1983-84 are given below :—

(Rs. in lakhs)

Item	1980-81	1981-82	1982-83	1983-84 Target
1	2	3	4	5
1. Funds sanctioned to Panchayats				
(a) Normal budget ..	450.00	479.00	200.00	537.00
(b) Food for works/ NREP ..	195.00	365.35	260.00	570.00
2. No. of villages covered wholly or partially				
..	1002	1496	1301	2000

3.64. An amount of Rs. 570.00 lakhs has been provided in the State Plan and funds to the extent of Rs. 648.00 lakhs are likely to be utilized under National Rural Employment Programme during 1984-85 for covering about 2400 villages.

#### PANCHAYAT GHARS AND COMMUNITY HALLS

3.65. Grant-in-aid amounting to Rs. 25,000 is sanctioned for construction of Panchayat Ghars/Community Halls. Land for the construction of Panchayat Ghars is arranged by the concerned Panchayats themselves. In case the expenditure on construction exceeds Rs. 25,000, the excess amount is to be provided by the Panchayats out of

their own resources. An outlay of Rs. 20.00 lakhs has been provided in the Annual Plan 1984-85 for the construction of 80 Panchayat Ghars/Community Halls to enable the Panchayats to hold meetings at a common place. 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.

#### FINANCIAL ASSISTANCE TO PANCHAYATI RAJ INSTITUTIONS FOR REVENUE EARNING SCHEME

3.66. Under the scheme 'Financial assistance to Panchayati Raj Institutions for expenditure on revenue earning schemes' an outlay of Rs. 50.00 lakhs has been allocated for providing loan assistance to 50 panchayats for construction of shopping complexes or creation of other revenue earning assets. This scheme thus aims at strengthening the Panchayati Raj Institutions financially to enable them to discharge their functions assigned to them under the Punjab Gram Panchayat Act 1952 and the rules framed thereunder effectively.

#### ASSISTANCE TO MAHILA MANDALS, BALWADIS AND CRAFT CENTRES :

3.67. 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 10322 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.

3.68. An outlay of Rs. 8.12 lakhs has been provided under the scheme C.D. 2.2 'Promotion and strengthening of Mahila Mandals' for the year 1984-85 for following purposes :—

- (i) 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.

An amount of Rs. 0.45 lakhs is being provided for training of 1500 office bearers during 1984-85 @ Rs. 30 per member.

- (ii) An amount of Rs. 1.77 lakhs is being provided to meet the expenses on account of honorarium of secretaries of 590 Mahila Mandals @ Rs. 25 P.M.
- (iii) An amount of Rs. 5.90 lakhs has been earmarked to provide seed money @ Rs. 5,000 to 118 Mahila Mandals for taking up various economic activities viz. manufacturing of Durries, preparation of washing soap, leather purses and bags, shuttle cocks, 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.

**3.69** An outlay of Rs. 30.50 lakhs has been provided under the scheme C.D. 3.2 'Composite Programme for women and pre-school children-strengthening of craft centres' for the following purposes :—

- (i) Nutrition education is provided to ladies and young girls through demonstration of cooking nutritive food at the village level. An amount of Rs. 200 is proposed to be utilized for this purpose for every centre. Each of the 118 blocks of the State will be covered by 5 centres during 1984-85. An outlay of Rs. 1.18 lakhs has, therefore, been provided for this purpose.
- (ii) 354 Balwadis at the rate of 3 Balwadis in each block are proposed to be provided assistance @ Rs. 1000 for each Balwadi during 1984-85. An Amount of Rs. 3.54 lakhs has accordingly been provided for this purpose.
- (iii) Out of 472 craft centres functioning in the State, it is proposed to grant

assistance to 354 craft centres @ Rs. 1000 each for purchase of equipment for these centres. The craft centres provide training to girls in garment making, knitwears, cane purses, bags and doll making etc. Provision of Rs. 3.54 lakhs has been made for this purpose for 1984-85.

- (iv) The scheme C.D. 2.3 'Intensive Development Programme in selected A.N.P. blocks' has been merged with this scheme. An outlay of Rs. 0.50 lakhs has been provided for this purpose.
- (v) Though the Balwadis, Mahila Mandals and craft centres would continue to function in the villages as heretofore, the Department now proposes to have one main centre at the Block Headquarters. In these main centre, all these activities viz. Balwadi, Mahila Mandals, and craft centres would be brought under one roof for propagation of these ideas among the rural masses who frequently visit the Block Headquarters. An outlay of Rs. 21.74 lakhs @ Rs. 25,000 per centre has been provided to enable the Department to construct rooms for these activities. These centres at Block Headquarters would be made within or adjoining the B.D.P.O's Office complex to ensure proper supervision as well. Additional funds required for construction of these rooms will be arranged by the department from Government of India and the concerned Panchayats.

#### MATCHING GRANTS TO PANCHAYATS

**3.70.** Another important scheme, 'Matching grants to Panchayats for development works' 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. This scheme is considered important for supporting and implementing the concept of planning at the grass roots.

371. An amount of Rs. 130.00 lakhs was sanctioned under this scheme during 1980-81 to 1982-83 to 1844 Panchayats. An outlay of Rs. 50.00 lakhs has been provided in the Annual Plan 1984-85 for covering about 350 Panchayats.

An amount of Rs. 2.00 lakhs is being provided for popularisation of smokeless chullahas in rural areas during 1984-85.

#### NATIONAL RURAL EMPLOYMENT PROGRAMME

372. The programme has three basic objectives as under :—

- (i) Generation of additional gainful employment for the unemployed and underemployed 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.

373. The programme is being implemented as a centrally-sponsored scheme on 50 : 50 basis between the Centre and the State. The Centre will pro-

vide its share in the form of foodgrains to the extent surplus foodgrains are available and the rest in cash. The ratio between material component and wage component in respect of individual works will be 50 : 50 . One Kg. of foodgrains per day may be provided to each labourer out of his day's wage and the remaining amount will be paid in cash. The work of implementation of this programme is being entrusted to District Rural Development Agencies which are implementing the I.R.D. Programme.

374. An outlay of Rs. 360.00 lakhs has been provided in the Annual Plan 1984-85 for Farm Forestry and Pavement of Streets and construction of drains under this programme. It is anticipated that about 2400 villages will be taken up for pavement of streets and construction of drains with the funds available in the State Plan, NREP and the contribution of Panchayats. The Forest Department proposes to do plantation work in 1800 hectares of Community land to create durable assets during 1984-85 under this programme. All these works are expected to generate employment of 17.96 lakh mandays during 1984-85 against anticipated achievement of 16.55 lakh mandays during the current year.

## CHAPTER IV

# Co-operation

A strong and viable co-operative sector is imperative for launching an effective programme of rural reconstruction, as co-operatives are an important instrument for decentralisation of the economy and encouraging local initiative. They enable the small producers to secure economies which

are otherwise available only to the large producers.

4.2. The expenditure under this sub-head from 1980-81 to 1982-83 and outlay for 1983-84 and 1984-85 are depicted in the table below:—

(Rs in lakhs)

Department	1980-81 Expendi- ture	1981-82 Expendi- ture	1982-83 Expendi- ture	1983-84 Outlay	1984-85 Proposed Outlay
1	2	3	4	5	6
1. Co-operation ..	543.69	801.14	849.42	787.00	04.00
2. Co-operative Audit ..	1.19	4.69	12.75	18.00	25.00
Total ..	544.88	805.83	862.17	805.00	06.00

4.3. The main thrust of the Department is towards strengthening Co-operative Credit structure, construction of godowns under N.C.D.C.-II Project, installation of Co-operative Spinning Mills and installation of Co-operative Sugar Mills in the State during 1984-85. All the major schemes of the Department are directed towards improvement of the economic condition of the rural poor.

is basically credit oriented. Network of Primary Co-operative Agricultural Service Societies is meeting the credit requirements of the farmers in respect of purchase of fertilizers as well as pre-harvest and post-harvest cash requirements. The following table shows that the performance of the Department in this respect from 1980-81 onwards has been satisfactory:—

4.4. The Co-operative structure in the State

(Rs in crore)

Particulars	1979-80 (Base year Level)	1980-81 Achieve- ment	1981-82 Achieve- ment	1982-83 Achieve- ment	1983-84 Target	1984-85 Target
1	2	3	4	5	6	7
(i) Advancement of short term loans ..	154.17	220.49	243.94	312.69	290.00	05.00
(ii) Advancement of long term loans ..	22.97	36.01	40.92	44.63	47.00	55.00

Target of marketing of agricultural produce is also proposed to be stepped up from likely achievement of Rs. 257.00 crores during 1983-84 to Rs. 260.00 crore during 1984-85. The target of retail sale of consumer goods through co-operatives in rural areas has been fixed at the same level for

1984-85 as that of 1983-84 i.e. Rs. 40.00 crore.

4.5 To enable the Department to achieve the aforementioned targets an outlay of Rs. 14.00 lakhs has been provided under the programme 'Credit Co-operatives' for 1984-85 against esti-

icipated expenditure of Rs. 140.00 lakhs for the current year. An outlay of Rs. 130.00 lakhs has been provided under the scheme CN 2.3. 'Share capital contribution to Apex Central and Primary Credit Institutions and Societies' to strengthen their equity base to enable the banks and Primary Agriculture Service Societies to discharge their functions effectively. Funds under this scheme actually flow from National Bank for Agriculture and Rural Development in the form of loan for investment as share capital in co-operative banks and societies.

#### Housing Cooperatives

4.6. The Punjab State Federation of Co-operative House Building Societies (HOUSEFED) have already been advanced government share capital of Rs. 191.55 lakhs upto 1983-84. It is proposed to strengthen its equity further for which an outlay of Rs. 10.00 lakhs has been provided in the Annual Plan 1984-85. Activities of the

Housefed are mostly confined to the Urban Estates like Mohali, Ludhiana, Jullundur, Amritsar, Bhatinda and Sargrur. The Housefed advanced loans amounting to Rs. 837.90 lakhs during 1980-81 to 1982-83. This institution proposes to advance loans amounting to Rs. 6.00 crore during 1984-85 subject to the availability of term loans from the L.I.C. and HUDCO against anticipated achievement of Rs. 4 00 crores during the current year

#### Warehousing and Marketing

4.7. A massive programme for the construction of rural godowns as well as wheat storage godowns has been initiated in this State under NCD C II World Bank Co-operative Storage Project. As per programme 1,550 rural godowns and 149 marketing godowns of the capacity of 4 lakh tonnes each are to be completed in a period of 5 years commencing from 1981-82 to 1985-86. The sanction of funds under this project has been as under:—

Year	Funds sanctioned		Number of Godowns		Capacity (M. Tonnes)	
	Rural	Marketing	Rural	Marketing	Rural	Marketing
	2	3	4	5	6	7
1980-81 (Pre-Project year)	—	59.50	—	42	—	83,850
1981-82	74.02	59.75	319	43	73,000	80,400
1982-83	98.06	56.80	356	43	82,600	81,200
1983-84 (Target)	97.40	61.60	310	40	80,000	80,000
Total	269.48	237.65	985	168	2,35,600	3,25,450

(Rs in lakhs)

4.8. Out of 145 Marketing Godowns of the capacity of 2,78,650 M. Tonnes sanctioned up to 30th September, 1983 MARKFED have completed 84 godowns of the capacity of 1,64,250 M. Tonnes, 49 godowns are reported to be under construction. The remaining 12 godowns are yet to be taken up. As regards rural godowns 594 rural godowns of the capacity of 1,40,700 M. Tonnes have been completed against the sanction of funds for 854 rural godowns of the capacity of 202,600 M. Tonnes upto 30th September, 1983. Besides, 159 godowns are reported to be under construction and remaining 101 godowns have not been taken up so far.

4.9. An outlay of Rs. 120.00 lakhs has been provided under the scheme CN 5.4 "Construction of Wheat Storage Godowns under NCD C II Project" for construction of Marketing godowns of the

capacity of 1,60,000 M. Tonnes for the year 1984-85.

#### Processing Co-operatives :

4.10. 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. The Department of Co-operation is setting up five Spinning Mills in the Co-operative sector at Abohar, Malout, Mansa, Barnala at Tappa and Goindwal Sahib at an estimated cost of Rs. 48.86 crores. The financing pattern of raising funds for these mills would be as under:—

(i) State share	: 22.5%
(ii) N.C.D.C. share	.. 22.5%
(iii) Term loan from financing institutions like IDBI	.. 50%
(iv) Members contribution	.. 5%
Total	.. 100%

Besides Cotton Waste Plant is also being set up at Nakodar. Abohar Spinning Mill has already been commissioned in October, 1982. Malout and Mansa Co-operative Spinning Mills are likely to be commissioned during the current year. State share for the aforementioned mills has been fully provided. Funds are also being provided for setting up of Mansa Ginning and pressing factory during the current year. As regards Barnala at Tappa and Goindwal Sahib cooperative Spinning Mills an amount of Rs 238.50 lakhs and Rs. 225 .00 lakhs respectively has been provided upto 1983-84 as State share. The balance amount of Rs. 76.14 lakhs for Barnala at Tappa Mills and Rs. 70.67 lakhs for Goindwal Sahib Co-operative Spinning Mill is being provided in the Annual Plan 1984-85. Out of total allocation of Rs. 174.81 lakhs provided under the scheme CN. 6.1. "Assistance to Spinfed for expansion and setting up new Spinning Mills, Handloom Weavers Spinning Mills and Cotton Waste Spinning Mills", an amount of Rs. 28.00 lakhs is being provided on account of envisaged escalation of costs in setting up Barnala at Tappa and Goindwal Sahib Co-operative Spinning Mills.

#### Co-operative Sugar Mills

4.11. The Department of Co-operation is already setting up two Sugar Mills in the Co-operative sector at Rakhra, Distret Patiala and Fazilka at an estimated cost of Rs. 9.25 crore each. The State share amounting to Rs. 197.00 lakhs for each mill has been provided fully during the current year. It is proposed to set up three additional sugar mills to be located at Sheron tehsil Taran Taran, Nakedar District Jalandhar and Doraha District Ludhiana for which letters of intent have already been issued by Government of India. The financing pattern of each of these mills would be as follows :—

	(Rs in lakhs)
(i) Share capital contribution by State Government ..	197.00
(ii) N.C.D.C's contribution as share capital ..	80.50
(iii) Term loan by financing institutions	555.00
(iv) Growers contribution ..	92.50
	-----
Total ..	925.00
	-----

4.12. An amount of Rs. 300.00 lakhs as State share has been provided for these mills under the scheme CN 8.1 "Share capital contribution for expansion and installation of new cooperative sugar mills" during 1984-85. Besides, an amount of Rs. 100.00 lakhs has been provided under this scheme for expansion of Batala Cooperative Sugar Mills Ltd. Batala . An outlay of Rs. 20.00 lakhs has been provided under the scheme CN 8.2 "Share capital contribution in Co-operative Sugar Mills Federation" to strengthen its equity base during 1984-85.

#### Dairy Co-operatives

4.13. Milk Co-operative Societies eliminate the middle men between the producers and the milk plant, enable the members to avail of institutional finance for purchase of cattle and facilitate procurement of inputs and services. The Milkfed Punjab took up a prestigious programme—Operation Flood II during 1980-81 for implementation in the State. It is expected that assistance amounting to Rs. 58.32 crore which has tentatively been revised to Rs. 62.50 crore would flow from Indian Dairy Corporation within the project period of 7 years, 1980-81 to 1986-87. State Govt. have already provided Rs. 57.66 lakhs during 1980-81 to 1982-83 for strengthening the equity base of the State level Milk Federation and the constituent Milk Unions to enable them to discharge their functions effectively in the work of milk procurement and setting up new Milk Plants and milk chilling centres etc. The Milkfed has already availed an amount of Rs. 13.41 crore upto 31st August, 1983 through Indian Dairy Corporation in cash and kind. Besides, indents worth Rs. 20.80 crore for machinery and civil works have been placed with the Indian Dairy Corporation.

4.14. The Milkfed proposes to set up a Milk Plant at Faridkot with a capacity of 50,000 litres perday at an estimated cost of Rs. 56.04 lakhs. The capacity of Jalandhar milk plant is also proposed to be expanded from 1.00 lakh litres per day to 2.50 lakhs litres per day in a phased manner. An outlay of Rs. 20.00 lakhs has been provided for the purchase of land for these two Milk Plants during 1984-85 under the scheme CN 7.1. 'Share capital contribution to Primary Co-operative Milk Societies, Unions and Milk Federation'. Besides, an amount of Rs. 15.00 lakhs has been provided for



installation of power feeders at Sangrur, Hoshiarpur and Patiala Milk Plants.

### Industrial Co-operatives

4.15. Out of total allocation of Rs. 29.19 lakhs under the programme 'Industrial Co-operatives', an outlay of Rs. 23.41 lakhs has been provided for strengthening Handloom Weavers Co-operative Societies. An outlay of Rs. 10.00 lakhs has been provided as equity to the Punjab State Handloom Weavers Apex Co-operative Society and Primary Handloom Weavers Co-operative Societies under the scheme CN 9.2 'Participation in the share capital of Apex handloom and Primary Handloom Weavers Co-operative Societies'. The Apex Handloom Weavers Co-operative Society has set up its sale outlets at all the districts headquarters and also participates in National Handloom exhibitions. This Apex Society has increased its sale of handloom products, blankets, Shawls etc. from Rs. 1721 lakhs in 1979-80 to Rs. 102.39 lakhs in 1982-83. It is proposed to increase the sales of this institution to Rs. 250.00 lakhs in 1984-85 against anticipated achievement of Rs. 200.00 lakhs during 1983-84. The handloom apex is setting up Dyeing, Printing and calendaring Plants at Anritsar and Hoshiarpur for which assistance has already been sanctioned to this society. The Handloom Apex proposes to set up another processing unit at Ludhiana at a capital cost of Rs. 64.00 lakhs. Besides, a handloom and powerloom production-cum-demonstration Centre is proposed to be set up at Hoshiarpur at an estimated cost of Rs. 2.70 lakhs. The State Government is to provide funds to the tune of 15% of the total cost, 30% of the finances would flow from N.C.D.C. and the balance 5% would be met by the society out of its own resources. An outlay of Rs. 9.41 lakh has, therefore, been provided under the scheme CN 9.7 'Financial assistance to Punjab State Apex Handloom Co-operative Society' for setting up the aforementioned units.

### Consumer Cooperatives :

4.6. The distribution of consumer articles in rural areas has gained momentum and it is proposed to open retail outlets at each of the existing 279 Primary Co-operative Agricultural Service Societies. Assistance for this purpose is being provided by the National Co-operative Develop-

ment Corporation. It is expected that funds to the tune of Rs. 20.00 lakhs would be provided by N.C.D.C., for this purpose during 1984-85. An outlay of Rs. 4.00 lakhs has been provided in the State Plan for strengthening Central Co-operative Consumer Stores and the State Level Consumers Stores Federation.

### Other Co-operatives :

4.17. An outlay of Rs. 8.50 lakhs has been provided under the scheme CN 11.1 'Assistance to Punjab Co-operative Union for education, research, training and Publicity.' The assistance amounting to Rs. 3.50 lakhs is being provided to the Punjab Cooperative Union to meet the expenditure of staff already in position to implement the members education and leadership training programme. An amount of Rs. 0.50 lakh has been provided for case studies and publicity. Besides, the balance amount of Rs. 4.50 lakhs is being provided to the P.C.U. as equity to enable it to replace its old printing presses. An outlay of Rs. 1.00 lakh is being provided under the scheme CN 11.2 'Training of Co-operative subordinate personnel' to meet the expenditure on account of stipends to be given to the trainees on approved pattern.

### Co-operative Administration :

4.18. An outlay of Rs. 80.00 lakhs has been provided under the scheme CN 1.1 'Additional Departmental staff' for the Annual Plan 1984-85 against the anticipated expenditure of about Rs. 70.00 lakhs during the current year. The escalation is being allowed for meeting the incremental expenditure and additional D.A. instalments.

### Co-operative Audit :

4.19. Regular, timely and effective audit is essential for proper functioning of the Co-operative institutions. Additional staff is necessary both for proper audit of existing institutions and to cope with the envisaged expansion of this sector. An outlay of Rs. 22.00 lakhs has been provided in the Annual Plan 1984-85 for meeting the expenses on the continuation of existing staff and training and education of audit staff.

### Physical Targets and Achievements :

4.20. The position with regard to achievement of physical targets is depicted in the Annexure,

## ANNEXURE

## PHYSICAL TARGETS AND ACHIEVEMENT IN CO-OPERATIVE SECTOR

Serial No.	Item	Unit	Sixth five year plan, 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
			1979-80 Base year level	1984-85 terminal year targets	Achievement	Achievement	Achievement	Targets	Anticipated Achievement	Proposed Targets
1	2	3	4	5	6	7	8	9	10	11
1	Co-operative Banks									
	(i) Branches	.. No.	587	590	597	597	602	602	602	612
	(ii) Deposits	.. Rs. Crore	190.00	290.00	145.71	158.44	244.83	207	285	210
2	Reorganised Primary Agricultural Service Societies	No.	2581	2581	2581	2798	2798	2798	2798	2798
3	Coverage of Agricultural Families	.. Percentage	78	84	70	77.5	79.5	85	79.5	85
4	Borrowing membership	.. Percentage	66	75	73	70	71	86	86	85
5	Agricultural Loans advanced during the year									
	(i) Short Term	.. Rs. Crore	154.17	325.00	220.49	243.94	312.69	290.00	290.00	305.00
	(ii) Medium Term	.. ..	—	6.00	—	—	2.59	2.00	2.00	5.00
	(iii) Long Term									
	(a) Ordinary	.. ..	10.05	98.00	13.98	12.09	12.26	11.00	11.00	11.00
	(b) Special A.R.D.C.	.. ..	12.92	132.00	22.03	28.83	32.37	36.00	36.00	44.00
6	Loans to Small and Marginal Farmers									
	(i) Short Term	.. Percentage to total Agricultural loans	43	50	43.7	42.2	44.6	45	45	47
	(ii) Long Term	.. ..	55	75	49.7	17.2	60	60	50	65
7	Overdues of Short term Agricultural Loans									
	(i) Central Co-operative Banks	.. Percentage of demand	22	18	28.7	20.5	26.4	19	19	18
	(ii) Primary Agricultural Service Societies	.. ..	24	18	30.0	—	20	20	20	20
8	Fertilizer retailed by Co-operatives									
	(i) Quantity	.. 000 tonnes	290	400	201.3	192	351	250	250	200
	(ii) Value	.. Rs. in lakhs	9,288	22,500	8,995	10,159	17,901	17,000	16,000	5,700
9	(a) Agricultural Produce marketed by Co-operatives									
	(i) Quantity	.. Lac tonnes	9.17	20.00	12.14	10.00	12.60	12.00	12.00	2.00
	(ii) Value	.. Rs. crore	105.50	250.00	140.27	121.46	178.22	170.00	170.00	10.00
	(b) Cotton									
	(i) Quantity	.. Lac bales	1.10	5.00	1.00	7.21	0.71	3.50	1.50	4.00
	(ii) Value	.. Rs. crore	20.31	100.00	34.50	73.75	14.50	8.00	17.00	5.00
10	Retail sale of goods by urban consumers Co-operatives	..	1.95	5.00	4.00	2.46	2.01	4.00	4.00	4.00

## ANNEXURE

## PHYSICAL TARGETS AND ACHIEVEMENT IN CO-OPERATIVE SECTOR

Serial No.	Item	Unit	Sixth five year Plan, 1980-85			1980-81	1981-82	1982-83	1983-84	1984-85	
			1979-80 Base year level	1984-85 terminal year targets	Achievement	Achievement	Achievement	Targets	Anticipated Achievement	Proposed Targets	
1	2	3	4	5	6	7	8	9	10	11	
11	Retail sale of consumer goods through Co-operatives in rural areas	Rs crore	20.58	50.00	26.09	15.30	18.72	40.00	40.00	40.00	
12	Co-operative Storage										
	(i) Rural Godowns	.. No. Lac Tonnes	3217 6.61	4617 10.61	3,438 6.69	3,760 7.73	3,930 8.09	4,400 9.53	4,400 9.53	4,400 9.53	
	(ii) Other godowns	.. No. Lac Tonnes	760 6.65	909 10.65	760 6.65	791 7.27	852 8.52	876 8.94	876 8.94	936 10.54	
13	Processing Units										
	(i) Organised	.. No.	42	49	46	49	55	55	55	58	
	(ii) Installed	.. No.	42	49	42	48	50	54	54	55	
14	Cold Storages										
	(i) Organised	.. No.	19	27	19	19	19	19	19	19	
	(ii) Installed	.. No.	19	27	19	19	19	19	19	19	
15	Dairy Programme										
	(i) Fluid Milk Plants	.. No.	1	5	2	2	3	4	9	10	
	(including creameries in operation)										
	(ii) Milk Product Factories out of (i) above	No.	1	2	2	2	2	2	5	5	
	(iii) Milk Producers Co-operative Societies	No.	448	4000	1086	1600	2192	3470	3470	4200	
	(iv) Dairy/Milk Producers Unions	No.	7	11	7	8	10	11	11	11	

## Irrigation and Flood Control

Punjab State still retains its basically agrarian character. Irrigation is therefore, its main stay and an extremely vital input. New farm technology based on high yielding varieties of crops and increased application of fertilisers has further increased the importance of irrigation to agriculture.

5.2. The State has an excellent network of irrigation facilities. More than 80 percent of the net areas sown is irrigated. The remaining area mostly lies in the sub-mountainous tract which gets comparatively higher rainfall. Since almost the entire surface water resources have been exploited, the emphasis is on modernisation of the existing canal system to improve its functioning and better water management through lining of channels and water courses. At the same time the available ground water resources are being systematically tapped to supplement surface water irri-

gation. Following the strategy adopted for the Sixth Plan, the emphasis is on the completion of the on-going projects so as to get the benefits at the earliest. Maximum water potential is being generated and utilised to meet the growing demand for water arising out of need to increase the gross cropped area through double and triple cropping practices.

5.3. For the Annual Plan 1984-85, an outlay of Rs. 54.40 crores (Rupees 46.02 crores for major and medium irrigation and Rs. 8.38 crores for minor irrigation and C.A.D. Projects) has been provided against an anticipated expenditure of Rs. 51.50 (43.20 crores for major and medium irrigation and Rs. 8.30 crores for minor irrigation and C.A.D.) during the current year. Details of the outlays provided are as under :

Sr. No.	Programme	(Rs. in lakhs)			
		1982-83 Actuals	1983-84 Outlays      Anticipated Exp.		1984-85 Outlays
1	2	3	4	5	6
I.	Irrigation—				
	(i) Multipurpose projects	2191.51	1080.00	1080.00	1307.00
	(ii) Major & Medium Irrigation Projects	2192.08	3240.00	3240.00	3295.00
	Total	4383.59	4320.00	4320.00	4602.00
II.	Minor Irrigation—				
	(i) Agriculture Department	6.25	15.00	15.00	25.00
	(ii) Irrigation Department	20.18	28.00	28.00	31.00
	(iii) Punjab State Tubewell Corporation	85.00	207.00	207.00	207.00
	Total	111.43	250.00	250.00	263.00
III.	C.A.D.	730.00	580.00	580.00	575.00
	Grand Total (I+II+III)	5225.02	5150.00	5150.00	5440.00

**5.4** Problems of irrigation development in the Kandi Tract of the State comprising mainly Hoshiarpur and Ropar Districts and part of Gurdaspur District merit special attention. Though the percentage of net irrigated area to net area sown during 1981-82 in the State was more than 80 percent, irrigation in the districts of Hoshiarpur and Ropar was as low as 38.1% and 43.1% respectively. In order to bring these areas at par with the rest of the State the 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 schemes are also on the anvil of providing assured means of irrigation to these areas.

**5.5.** The Irrigation programmes in the State include (i) Multipurpose Project ; (ii) Major & Medium Irrigation Schemes ; (iii) Water Development ; (iv) Minor Irrigation Schemes of the Departments of Agriculture, Irrigation and the Punjab State Tubewell Corporation. The various programmes are out lined below:—

#### A. MULTIPURPOSE PROJECTS :

##### Thein Dam :

**5.6.** This is a major multipurpose project of the State. The Project (together with stage II of the Upper Bari Doab Canal Hydel Scheme) seeks to utilise the water of river Ravi for irrigation, power generation and control of floods. It envisages a 160 metre high earth core gravel shell dam across river Ravi at Thein about 24 Kms., up stream of the Madhopur Headworks.

The main features of the project are as under :—

- |                                     |    |   |
|-------------------------------------|----|---|
| (a) Site                            | .. | Thein 24 Kms. upstream of Madhopur Headworks. |
| (b) Height of the Dam               | .. | 160 Metres                                    |
| (c) Type of Dam                     | .. | Earth core gravel shell dam.                  |
| (d) Irrigation Potential of the dam | .. | 3.48 lakhs hectares                           |

- |                                     |    |                     |
|-------------------------------------|----|---------------------|
| (e) Installed capacity (Power)      | .. | 600 MW<br>(4×150MW) |
| (f) Estimated cost at 7/82 prices   | .. | Rs. 669.00 crores   |
| (g) Expenditure up to 1982-83       | .. | Rs. 62.50 crores.   |
| (h) Spill over after 1982-83        | .. | Rs. 606.50 crores.  |
| (i) Anticipated Expenditure         |    |                     |
| 1983-84                             | .. | Rs. 5.00 crores     |
| (i) Irrigation                      | .. | Rs. 5.00 crores     |
| (ii) Power                          | .. | NIL                 |
| (j) Outlay 1984-85                  | .. | Rs. 7.00 crores     |
| (i) Thein Dam Construction          | .. | Rs. 6.38 crores     |
| (ii) Thein Dam Design or-gasisation | .. | 0.62 crores         |

**5.7.** In view of the chronic shortage of Power in the State and the fact that the execution of this project had been delayed considerably. The State Government is very keen on completing this project at the earlier. However, due to severe financial constraint it has not been possible to provide the requisite funds for this project. Against the normal requirement of about Rs. 100.00 crores per year for completing it in a reasonable span of time, the actual provision of funds had been between Rs. 5.00 crores to 14.00 crores a year. These funds are not sufficient to generate necessary momentum for the completion of the project. A substantial amount of infrastructure, machinery fleet and work organisation has been built up on the project. It is, therefore, felt that special Central Assistance is required for this project in order to give it a push so urgently required.

##### Shahpur Kandi Project:

**5.8.** The Shahpur Kandi Project envisages the construction of a barrage across river Ravi down stream of the proposed Thein Dam site and upstream of the existing Madhopur Headworks. The project will irrigate 33,000 hectares in Jammu & Kashmir State. Besides it would create an installed capacity of 94 MW (2×47 MW) of Power. The cost of the project which was estimated at Rs. 68.16 crores at 1980 prices originally has been revised to

Rs. 124.30 crores. The project has been technically cleared by C.W.C., C.E.A. and Department of Environments, Government of India, The clearance from Planning Commission, however, is awaited. An expenditure of Rs. 30.00 lakhs has been incurred upto 1982-83 and Rs. 5.00 lakhs is anticipated to be expended during 1983-84. An outlay of Rs. 6.00 lakhs has been provided for the the year 1984-85 for survey, investigation, creation of infrastructure etc.

#### Diversion Weir of Shahnehar Canal :

5.9. Shahnehar Canal is an inundation canal off-taking from River Beas at Ray Head located at 5 Kms downstream of Beas Dam. The construction of Beas Dam has resulted in reducing river supplies considerably to feed the existing Shahnehar Canal system specially during lean period due to power fluctuation at Pong. In order to provide assured supplies to the areas receiving irrigation from Shahnehar Canal system had become necessary to construct a diversion barrage with adequate storage capacity. The project envisages the construction of a barrage below Pong Dam and the Construction of a feeder channel taking off from the left bank of the Barrage for the purpose of feeding the existing Shahnehar Canal System. The project involves construction of 600 meters long barrage across river Beas and 98.6 Kms. long feeder channel having a capacity of 1150 cs. at its head. The work on the project was stopped because of pending negotiations with Himachal Pradesh which has been finalised. The work which was scheduled to be completed during 1983-84 will now be completed during 1984-85.

5.10. The details regarding cost estimates, expenditure incurred and outlay provided for 1984-85 are as under :—

	(Rs. in lakhs)
1. <b>Estimated Cost</b>	
(i) Original	.. 1159.00
(ii) Revised (gross)	.. 3630.00
(iii) Credit on account of Revenue Receipt	(—) 285.00
Net	3345.00
2. Expenditure incurred upto 1982-83	3214.50
3. Spillover after 1982-83	.. 415.50
4. Likely expenditure during 1983-84	123.00
5. Outlay 1984-85	.. 108.00

The main details of the works to be completed during 1984-85 are at Annexure 'III'.

#### Dholbaha Dam :

5.11. 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 32.00 metres across the Dholbaha Choe (Distt. Hoshiarpur) 20 Miles North West of Hoshiarpur and 1 Km. U/s of Dholbaha. An area of 3745 hectares will receive irrigation and about 2710 hectares will be saved from the ravages of floods. Besides, 2329 hectares would be reclaimed. The project is scheduled to be completed during 1985-86. The estimated cost of the project expenditure incurred and the benefits from the project are given as under :—

	(Rs. in lakhs)
1. Estimated cost—	
(i) Original	.. 349.40
(ii) Revised (1982 prices)	.. 940.00
2. Expenditure incurred upto 1982-83	.. 470.42
3. Spillover after 1982-83	.. 469.58
4. Likely expenditure during 1983-84	.. 250.00
5. Outlay 1984-85	.. 270.00
6. Total Irrigation Potential	.. 2.6 ('000 hectares)
7. Potential created upto 1982-83	.. ..
8. Likely potential during 1983-84	.. ..
9. Target 1984-85	.. ..

Details of works to be carried out during 1984-85 are at Annexure 'IV'.

#### Low Dams in Kandi Areas

5.12. The sub-mountane region of the state is strewn with Choes. Number of flashy torrents are located in this area which wash away the fertility of the soil. The upper catchments have 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. Due to the absence of adequate vegetable cover in the upper catchments, the area is eroded and flashy run off is experienced in the choes and its impact is felt in the plains. In order to check this destruction and also provide irrigation facilities, the World Bank recommended selection of four watersheds for implementation under this project in addition to Dholbaha Dam with World Bank Assistance. Accordingly the feasibility report of four watersheds namely, Janauri, Chohal, Maili and Patiala-ki-Rao have been approved by the Punjab Government and the World Bank. Out of these the project reports of Maili Watersheds has already been approved by the steering committee of Kandi Watershed Area Development Project and the project report of Janauri has also been prepared and sent to the Government for sanction. The project reports of the other watersheds i.e. Patiala-ki-Rao and Chohal are under finalisation. The amount as provided in the feasibility report and as worked out in the detailed project estimates for irrigation component is given against each as under :—

	(Rs. in lakhs)	
	Cost as per feasibility report	Cost as per project estimate
1. Janauri Dam	221.00	204.68
2. Chohal	82.00	Project estimate under finalisation
3. Maili	260.00	234.28
4. Patiala-ki-Rao	117.00	Project under finalisation
	680.00	

5.13. In addition to the above, another six watershed i.e. Siswan, Mehargarwal, Saleran, Budki, Tibba Nangal and Lalwan have also been selected for implementation. Out of these six watersheds, the feasibility reports of four watershed i.e. Siswan, Mehargarwal, Saleran and Budki have been submitted to the Government. The feasibility report of Tibba Nangal and Lalwan are nearing completion.

5.14. An expenditure of Rs. 47.62 lakhs has been incurred upto March, 1983 under other water-

sheds (Low Dams in Kandi Area). The outlay for the year 1983-84 is Rs. 100.00 lakhs. A sum of Rs. 187.00 lakhs is proposed for the year 1984-85 to undertake the works given in Annexure 'V'.

The details regarding cost estimates, funds utilised etc. are as under :—

	(Rs. in lakhs)	
1. Estimated cost—		
(i) Original	..	1000.00
(ii) Revised (1982 prices)	..	1262.00
2. Expenditure incurred upto 1982-83	..	47.62
3. Spillover after 1982-83	..	1214.38
4. Likely expenditure during 1983-84	..	100.00
5. Outlay 1984-85	..	187.00
		(000' hect.)
6. Ultimate Irrigation Potential	..	4.5
7. Potential achieved upto 1982-83	..	..
8. Likely Potential during 1983-84	..	..
9. Target for 1984-85	..	..

#### Expenditure on Beas Project :

5.15. The Beas Project Units I and II have been completed. To meet the balance expenditure on this project a sum of Rs. 20.00 lakhs has been provided in the Annual Plan 1984-85 as indicated by the Beas Construction Board. In addition to this amount, a sum of Rs. 8.00 lakhs for Beas Project Unit-I (Extension) and an amount of Rs. 8.00 lakhs for Beas Project Unit-II (Extension) have been provided for the year 1984-85 as indicated by BCB.

#### B. Major and Medium Irrigation Schemes :

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

5.16. 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. This project envisages the creation of an irrigation potential of 2.35 lakhs hectares which would utilise 1.83 MAF of Ravi Water in Punjab by increasing the water

allowance of the existing areas, extension of perennial irrigation to non-perennial areas and extending irrigation to new areas. The work on remodelling of the channels, extension of channels, raising banks to cater for increased capacity have already been completed. Mostly re-modelling of masonry structures like falls, regulators, bridges are in hand for increased discharge. The details of cost estimates, expenditure incurred, ultimate irrigation potential and potential actually created are as under :—

	(Rs. in lakhs)
1. Estimates cost—	
(i) Original	.. 186.00
(ii) Revised	.. 620.00
2. Expenditure incurred upto 1982-83	.. 587.45
3. Spillover after 1982-83	.. 32.55
4. Likely expenditure during 1983-84	.. 30.00
5. Outlay 1984-85	.. 30.00
6. Ultimate irrigation potential	.. (000' hect) 235
7. Potential created upto 1982-83	.. 216
8. Likely potential during 1983-84	.. 10
9. Target 1984-85	.. 4

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

#### Utilisation of surplus Ravi Beas Waters :

5.17. 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 for the areas lying to the South West of the Ferozepur-Jhakkhal line and to extend irrigation to new areas. The revised project estimate amounting to Rs. 644.36 lakhs stands submitted to Government of India for clearance since July, 1974. Subsequently seven more schemes likely to cost Rs. 340.10 lakhs have been sanctioned by the State Government for execution. These schemes are also chargeable to this project. Another scheme viz 'Raising banks of Eastern Canal System' estimated to cost Rs. 90.73

lakhs has also been sanctioned by the State Government. A scheme namely '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 was sanctioned by the Government. The total revised cost of the main project therefore, works out to Rs. 1152.87 lakhs (Rs. 644.36 lakhs + Rs. 340.10 lakhs + Rs. 90.73 lakhs + 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. Re-modelling of some more channels would be taken up during 1984-85. The remodelling of masonry structures like falls, regulator, bridges etc. for the increased discharge will be continued during 1984-85 for which an outlay of Rs. 75.00 lakhs has been proposed.

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

	(Rs. in lakhs)
1. Estimated cost—	
(i) Original	.. 186.55
(ii) Revised	.. 1153.00
2. Expenditure incurred upto 1982-83	.. 827.97
3. Spillover requirement after 1982-83	.. 325.03
4. Likely expenditure during 1983-84	.. 75.00
5. Outlay 1984-85	.. 75.00
	(000'hect)
6. Ultimate irrigation potential	.. 305.00
7. Potential created upto 1982-83	.. 243.00
8. Likely potential during 1983-84	.. 5.00
9. Target 1984-85	.. 4.00

The funds allocated for the year 1984-85 would be spent on the works given in Annexure 'VII'.

#### Extension and improvement of Shahnehar Canal System:—

5.18 Shahnehar Canal is an inundation canal off taking from river Beas at temporary Ray Head situated 5 Kms down stream of Pong Dam. With the completion of barrage across river Beas, regular and



regulated irrigation water supply would become available for feeding the Shahnehar Canal system. The scheme comprises the following :—

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

5.19. 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 62,800 hectares by extending irrigation to non-irrigation areas.

5.20. The construction of Kandi canal system off taking from left side of Mukerian Hydrel Channel will provide irrigation to 34,000 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.

Details of cost estimates, utilisation of funds, creation of irrigation potential are as under :—  
(Rs. in lakhs)

1. Estimated cost—		
(i) Original	..	1063.00
(ii) Revised (1982 prices)	..	3255.00
2. Expenditure incurred upto 1982-83	..	1262.01
3. Spillover after 1982-83	..	1992.99
4. Likely expenditure during 1983-84	..	600.00
5. Outlay 1984-85	..	700.00
		(000'hect)
6. Ultimate irrigation potential	..	51.00
7. Potential created upto 1982-83	..	12.20
8. Likely potential during 1983-84	..	6.00
9. Target 1983-84.	..	4.00

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

#### Lining of Channels :

5.21. 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 to improve functioning and better water management through lining of channels. The total length of irrigation channels in the state along with 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 1982-83	.. 505	3968	4474
Balance	.. 1700	8308	10008

5.22 The World Bank has approved a project for lining of 4060 Kms. (214.50 lakhs square metres) of distributaries/minors at a cost of Rs. 100.09 crores subsequently revised to 114.18 crores. The project which was taken up during 1979-80, is to be completed in five years 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 cement in the earlier years and also due to price escalation. The department of irrigation now proposes to phase this scheme for another two

years i.e. 1984-85 and 1985-86 with World Bank participation. The department has already submitted to the World Bank for the extension of this scheme for another two years. 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 there by 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 sq. mtr.)		
	Phasing of Exp. as per agreement with World Bank	Plan allocation	Actual Expenditure	Targets fixed as approved by World Bank	Targets fixed 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	15.66	820 (43.75)	750 (39.8)	581 (30.6)
1981-82 ..	21.70	18.48	19.58	880 (46.50)	920 (48.8)	834 (44.1)
1982-83 ..	23.20	16.29	15.81	850 (44.75)	500 (26.3)	529 (27.8)
1983-84 (Last year of Project) ..	24.76	22.00	22.00 Anticipated	780 (41.00)	625 (33.0)	625 (33.00) Anticipated
<b>Total</b> ..	<b>100.09</b> (114.18) revised	<b>84.51</b>	<b>84.17</b> Anticipated	<b>4060</b> (214.50)	<b>3435</b> (181.8)	<b>3193</b> (168.6) Anticipated
1984-85 ..	—	22.00	22.00 Anticipated	—	435 (25.55)	435 (25.55) Anticipated

Figures in bracket are lakh sq. metres.

5.23 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 ..	10009.00
(ii) Revised ..	11418.00
2. Expenditure incurred upto 1982-83 ..	7929.59
3. Spillover after 1982-83 ..	3488.41
4. Likely expenditure 1983-84 ..	2200.00
5. Outlay 1984-85 ..	2200.00 (000'hect.)
6. Ultimate irrigation potential ..	130
7. Potential created upto 1982-83 ..	39
8. Likely potential during 1983-84 ..	9
9. Target 1984-85 ..	13

With the allocation of Rs. 2200.00 lakhs provided for the year 1984-85, 435 Kms (25.55 lakh sq. mtrs.) of distributaries/minors would be lined.

#### Construction of New distributaries, minors and bridges :

5.24 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 to be extended. For this purpose, a sum of Rs 2.70 crores has been earmarked in the Sixth Five Year Plan (1980—85). Against an anticipated expenditure of Rs. 25.00 lakhs during the year 1983-84 there is an outlay of Rs. 35.00 lakhs during the year 1984-85. The details of works are attached at Annexure 'IX'.

### Modernisation of existing canal system :

**5.25** Modernisation and improvement of the existing canals system is required to be undertaken so as to conserve the supplies of water in the best manner possible for future development of irrigation. Under this programme the following modernisation measures will be taken. A provision of Rs. 10.00 lakhs has been made for the year 1984-85 :

	(Rs. in lakhs)
(i) Replacement of Kari regulation system by mechanically operated gates ..	3.00
(ii) Telecommunication system ..	5.00
(iii) Construction of escapes ..	2.00
Total ..	10.00

### Extension of Kandi canal Re-oriented with Lift Irrigation schemes :

**5.26** The project estimate for construction of Kandi canal which is a part of the project estimate, 'Extension and Improvement of Shahnehar 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.

**5.27** 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 ziv., 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. 17.79 lakhs has been incurred upto March, 1983. An outlay of Rs. 2.00 lakhs has been earmarked for the year 1983-84, and an outlay of Rs. 2.00 lakhs is proposed for 1984-85. The work of survey and preliminary investigation will be done with this amount.

**5.28** The integrated reoriented scheme is proposed to cover an area of about 42558 hectares of

new CCA. (Thus creating potential of 26400 hect. with intensity of 62%)

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

**5.29** The Government of Punjab has engaged a team of consultants for this project under Kandi watershed and Area Development Programme to investigate, plan and analyse various technical alternatives for watershed 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 counter-part 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 counter-parts to be trained overseas in their respective disciplines. An amount of Rs. 30.00 lakhs is proposed to be spent during the year 1984-85.

### Pilot Demonstration :

**5.30** Besides the on-going modernisation programme for canal and water courses based on the established technologies in irrigation department, the pilot demonstration, project will introduce test and evaluate the advanced irrigation technologies and techniques which are either so far untried in the State of Punjab or have only been attempted on a 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. 280.00 lakhs. The scheme is a part of World Bank aided programme.

**5.31** A sum of Rs. 77.71 lakhs was spent up to the end of March, 1983, For the year 1983-84, a sum of Rs. 84.00 lakhs has been earmarked. During the year 1984-85, operation and maintenance, study and evaluation of existing seven sprinkler irrigation schemes is proposed. For this purpose, an outlay of Rs. 24.00 lakhs is proposed.

**Raising lining of Bhakra main line for providing**  
The works proposed to be undertaken under this scheme are given at annexure X.

**Raising lining of Bhakra main line for providing free board**

**5.32** A decision had been 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 discharge of 12445 cs. For this purpose a project has been prepared at an estimated revised cost of Rs. 345.00 lakhs. This project is a common project and the cost is to be shared amongst three states namely, Punjab, Haryana, Rajasthan. The share of Punjab State in the total revised cost is Rs. 46.33 lakhs. A sum of Rs. 1.00 lakhs has been provided as a token provision during the year 1984-85.

**Construction of new lined combined channel of Bikaner Canal and Main Branch Eastern Canal**

**5.33** The Bikaner Canal was constructed in 1920's as a lined canal. The lining has totally deteriorated during its working for nearly 50 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. 9.80 crores. A number of meetings with Rajasthan State on this project were held in the past but no final decision was taken. A token provision of Rs. 1.00 lakh has been made for the year 1984-85.

**Providing canal irrigation facilities to the areas of erstwhile Malerkotla State**

**5.34** 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 tubewell schemes which have been abandoned. The discharge of the channel works out to 106 Cs. The estimated cost of the scheme is Rs. 281.00 lakhs. An area of about 17,000 hectares will get irrigation facilities. The project estimate has been prepared.

A token provision of Rs. 1.00 lakh has been provided for the year 1984-85.

**Providing irrigation facilities to the areas on left side of Narwana Branch**

**5.35** There is compact block of land lying on the left side of Narwana Branch which has no irrigation facilities. It is proposed to extend Rajpura distributory of Bhakra Main Line in order to bring the areas under reference under the fold of Irrigation. The estimated cost of project is Rs. 520.00 lakhs and will provide irrigation to an area of about 12,300 hectares. The project estimate has been prepared. An outlay of Rs. 1.00 lakh has been provided for the year 1984-85 as a token provision.

**Investigation of Schemes**

**5.36** The available surface water resources, in Punjab State have already been 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 the 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 actually utilised by the farmers. An outlay of Rs. 65.00 lakhs has been provided in the Annual Plan 1984-85 for this purpose. Apart from investigation of various schemes geological, Hydrological, socio-economic and topographical surveys are to be carried out. Details of works to be carried on in 1984-85 are as under:—

1. Payment to be made to survey Department of India for contour survey and mapping in the various districts of the State. . . 25.00 lakhs
2. For Investigation of the schemes such as Doan Canal, Ranjitgarh City Badshahi Canal and for various lift irrigation schemes for Villages Ghanauli Lameheri, Saroya block

Rural in Gurdaspur, Misserwal in Ropar District etc.	..	15.00 lakhs
3. Establishment	..	25 lakhs
		-----
Total :	..	65.00 lakhs
		-----

#### Research schemes :

5.37 A number of research schemes are to be carried out under the aegis of Irrigation and Power Research Institute Amritsar. Research work has been given great emphasis by the Government of India. In order to carry out new research experiments to introduce modern techniques in irrigation technology and to suggest economical design criteria useful in future projects, an outlay of Rs. 20.00 lakhs has been provided for the year 1984-85.

5.38 Details regarding cost estimates, date of start, expected date of completion, status of project, expenditure incurred upto 1982-83 spillover requirement after 1982-83 outlays 1983-84 and 1984-85 in respect of main irrigation projects are given in annexure-I. Details regarding targets and achievements of irrigation potential created and utilisation upto the end of 1979-80 and achievement during 1980-81, 1981-82, 1982-83 likely achievement during 1983-84 and target for 1984-85 in respect of major and medium irrigation projects are given in Annexure 'II'.

#### Minor Irrigation :

5.39 While the outlays for major and medium irrigation programmes are met exclusively from the public sector the resources for the minor irrigation schemes are supplemented by private and institutional sources. The Agriculture Refinance and Development Corporation and Land Mortgage Banks play a significant role in the development of minor irrigation. The number of electrically operated tubewells increased from 25,361 in 1965-66 to 3,00,000 in 1981-82, more than eleven fold increase in 16 years. Wells have been mostly fitted with pump sets. The consumption of electricity in the agriculture sector during 1981-82 was more than 41 percent of the total power consumption in the State. The supply of electricity for tubewells and pump sets at a subsidised rate has given further impetus to the exploitation of ground water resources. The main thrust under minor irrigation programme, is therefore, towards (i) acceleration in flow of institutional investment (ii) stepping up rural electri-

fication by energisation of additional tubewells/pump sets ; (iii) taking full advantage of special participating schemes of ARDC, REC and Commercial Banks, and (iv) hydrological and geological surveys of ground water strata for the benefit of the farmers. The State Government's role in tubewell irrigation has been and would remain promotional. Its direct investment in minor irrigation has been limited to deep tubewells. The promotional role includes (i) investigation of ground water resources, and (ii) mobilisation of institutional finance mostly through the Land Mortgage Banks.

5.40 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 )

5.41 The only minor irrigation scheme of the Department of Agriculture relates to the strengthening of ground water and surface water organisation. It is a 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 under ground reservoir and disseminate vital information to the farmers for their benefits.

An allocation of Rs. 25.00 lakhs (state share) for the Annual Plan 1984-85 has been provided for this scheme to purchase new machinery equipment for deep drilling. No new staff will be recruited.

#### Irrigation Department

##### Directorate of Water Resources :

##### Integrated Utilisation of Water Resources :

5.42 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. 31.00 lakhs has been provided for the Annual Plan 1984-85.

**PUNJAB STATE TUBEWELL CORPORATION**

**Tubewells :**

5.43. The original work of the tubewell corporation since its inception has been installation of tube-

wells. The progress of work stagewise in respect of tubewells is given below.

Serial No.	Stage of work	Number at the end of 1982-83		1983-84 Anticipated (No.)		1984-85 Target (No.)	
		Augmen- tation	Direct	Augmen- tation	Direct	Augmen- tation	Direct
1	Drilled	.. 352	426	—	30	—	23
2	Developed	.. 352	398	—	30	—	23
3	Completed	.. 303	355	—	30	—	23
4	Energised	.. 263	315	—	30	—	23

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

Year	Irrigation potential ('000 hect.)
Upto 1979-80	93.9
During 1980-81	.. 0.97
During 1981-82	.. 1.65
During 1982-83	.. 2.40
During 1983-84 Anticipated	.. 2.55
During 1984-85 (target)	.. 2.40

5.44 The deep tubewells are mainly installed in the backward and submontane areas of the State where at present there are no assured means of irrigation. The water table is very deep and it is beyond the capacity of individual farmers to instal and operate tubewells. It is proposed to instal 23 tubewells during 1984-85 at an estimated cost of Rs. 155.00 lakhs 20% of which i.e. Rs. 31.00 lakhs has been provided in the Annual Plan and the remaining 80% is to be raised from financial institutions under ARDC Refinance Scheme

**Repayment of principal and interest :**

5.45 A tubewell is assumed 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 ARDC's stipulations. To meet this

gap between repayment and recovery, provision is required to be made in the Annual Plan. An amount of Rs. 70.00 lakhs has been provided on this account during 1984-85

**Strengthening of Hydrogeological Wing in PSTC :**

5.46 A Centrally Sponsored Scheme for strengthening of surface and ground water (Minor irrigation) Organisation in the State was introduced by Government of India during the fifth five year plan. Under this scheme 50% matching grant was proposed to be given to the States by the Central Government for Staff, equipments and works. The Hydrogeological wing was set up in the Punjab State Tubewell Corporation during 1982 and after its set up so many significant results have come out in regard to installation of deep tubewells in various blocks of the State e.g. selection of potential sites with resistivity survey and from Hydrogeological angle, improvement in assembly design, pump tests etc. During 1983-84 a sum of Rs. 3.00 lakhs has been allowed by Punjab Government as its share. The continuation of Hydrogeological wing in PSTC is considered most essential to ensure exploitation of ground water on scientific lines. Keeping this end in view, it is proposed to spend Rs. 8.00 lakhs under the scheme during 1984-85 out of which Rs. 4.00 lakhs has been proposed as State share.

**Taking over of the Central Ground water tubewells:**

5.47. It is proposed to takeover 25 no. tubewells during 1984-85 drilled and developed by the Central Ground water ground as exploratory

tubewells. The bankable schemes have already been prepared and submitted to NABARD for approval. The expenditure to be incurred will be of the order of Rs. 75.00 lakhs 20% of this viz. Rs. 15.00 lakhs has been proposed in the Draft Annual Plan as seed money. Balance of Rs. 60.00 lakhs will be raised from the financing banks under NABARD's refinance scheme.

#### Centrally Sponsored scheme for purchase of Machinery ;

5.48. Under the Centrally Sponsored scheme a proposal for purchase of machinery for Rs. 11.30 lakhs during 1984-85 has been agreed to by the Punjab Government. Under the scheme, 50% cost is to be given by Government of India on matching grant basis. The total cost of the machinery to be purchased during 1984-85 will be of the order of Rs. 90.00 lakhs out of which 50% of the cost amounting to Rs. 45.00 lakhs is proposed to be met by the State Government.

#### Providing Independent feeder lines :

5.49 On account of restricted availability of

electric supply during the past years, the performance of both direct augmentation tubewells had been below the desired targets. As against the assumption of uninterrupted availability of electric supply had been to the extent of 8 to 10 hrs./day. This factor has been responsible for under utilisation of the potential created by both direct and augmentation tubewells. To make optimum use of already created potential of underground water Courses provision of independent feeder for the tubewells is of utmost necessity. Total amount required for laying independent feeders for the existing PSTC tubewells to achieve 1500 hours per year as per present norms approved by Board of Directors, is Rs. 250.00 lakhs. During the year 1983-84, a sum of Rs. 15.00 lakhs has been provided. Similar amount i.e. Rs. 15.00 lakhs has been proposed during the year 1984-85.

5.50 The total expenditure incurred on the installation of tubewells and other minor irrigation schemes of PSTC upto the end of 1982-83, anticipated during 1983-84 and proposed during 1984-85 is given as under :—

#### EXPENDITURE

(Rs. in lakhs)

Seria No.	Item	Upto 1982-83		1983-84 anticipated		1984-85 target	
		Total Expenditure	Plan provision	Total Expenditure	Plan provision	Total Expenditure	Plan provision
1	2	3	4	5	6	7	8
	Installation of Tubewells (State Share)	1270.72	354.12	180.00	36.00	290.00	58.00
2	Equity	2395.77	280.00	—	—	—	—
3	Repayment of principal and Interest	502.47	465.62	70.00	70.00	70.00	70.00
4	Subsidy for running and maintenance of tubewells	111.75	180.75	—	—	—	—
5	Strengthening of ground water organisation in P.S.T.C (State share)	14.55	9.00	6.00	3.00	8.00	4.00
6	Taking over of Central ground water board tubewells	—	—	10.00	10.00	15.00	15.00
7	Replacement and improvement of tubewells	—	—	20.00	20.00	—	—
8	Purchase of machinery (State share)	—	—	106.00	53.00	90.00	45.00
9	Providing independent electric supply feeder lines for tubewells	—	—	15.00	15.00	15.00	15.00
	Total	4295.26	1289.49	407.00	207.00	488.00	207.00

**Command Area Development :**

5.51 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 60,000 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.

5.52 The project of lining of water courses is being executed under ARDC's refinancing scheme

with financial assistance from the World Bank as the total programme involves a huge investment which was difficult to be financed from the limited resources of the State Government. The project aimed at lining of 15,200 Kms. length of water courses in the sandy tracts 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					
		1979-80	1980-81	1981-82	1982-83	1983-84	Total
1	2	3	4	5	6	7	8
1	Number of outlets	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. 2 (Kms.)	1762	2056	2006	2480	2480	10780
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. crores)	3.25	4.58	4.90	5.25	5.61	23.59
6	Bank share 80% of item (4) above (Rs. crores)	13.00	18.32	19.60	21.00	22.44	94.36
7	Expenditure (Rs. crores)	12.22	14.78	15.04	21.61	28.05	91.70

The shortfall in the achievements has mainly been due to inadequate availability of Cement, during these years. The balance 6896 Kms. (15200 Kms.—8304 Kms.) achieved upto 1982-83 of water courses remains to be lined will be achieved during

1983-84 (3500 Kms.) and 1984-85 (3396 Kms.)

The total expenditure incurred on lining of water courses upto 1982-83, anticipated during 1983-84 and targetted for 1984-85 is given as under :

(Rs. in lakhs)

Serial No.	Item	Expenditure upto 1982-83		Anticipated Expenditure during 1983-84		Likely Expenditure during 1984-85	
		Total Expenditure	Plan provision	Total Expenditure	Plan provision	Total Expenditure	Plan provision
1	2	3	4	5	6	7	8
1	Lining of water Courses	9107.37	2621.26	2900.00	580.00	3625.00	575.00
2	Equity	584.00	584.00	..	..	..	..
3	Repayment of principal and interest	599.06	311.00	70.00	70.00	70.00	70.00
	Total	10290.43	3516.26	2970.00	650.00	3695.00	645.00



**Anti-water logging drainage and flood control :**

5.53 Main emphasis in this sphere of activity till recently has been on the construction of embankments and drainage improvement. Besides widening, deepening and reconditioning of existing drains, 988 Kms. of flood protection embankments and 6451 Kms. of surface drains had been completed by the end of 1982-83. These works provided relief/protection to about 25.72 lakhs hectares of new areas as against the estimated total flood prone area of 37.0 lakh hectares. During the year 1983-84, it is envisaged to construct 2.5 Kms. of new embankments and 18.00 Kms. of drainage channels with an outlay of Rs. 4.67 crores. This would also provide protection to an additional area of 0.05 lakhs hectares, besides providing protection to an old area of 0.10 lakh hectares.

5.54 Taking into account the recurring flood damages 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 watershed management alongwith flood protection and drainage works in the affected reaches.

An outlay of Rs. 675.00 lakhs under flood control and drainage schemes has been provided for the annual plan 1984-85 to be expended as under :

	(Rs. in lakhs)
1. Flood control and drainage schemes	450.00
2. Anti-water logging works in Mukatsar and Faridkot areas for lowering the water table	.. 100.00
3. Dholbaha Dam (drainage portion)	80.00
4. Diversion of Nur Bedian Choes into Satlej River	.. 25.00
5. The Canalisation and reclamation of Satlej river bed near Ropar	.. 20.00
Total	.. 675.00

6.58 A table showing physical targets/achievements upto 1982-83, anticipated achievement during 1983-84, target for 1984-85 is given below :

Item	Unit	Constructed upto 1982-83	1983-84 (Anticipated)	1984-85 (targets)
1	2	3	4	5
1. Length of Embankments	.. Kms.	988	2.5	5.0
2. Length of drains	.. Kms.	6451	18	46.00
3. Area to be benefitted—				
(i) New	.. Lakhs Hect.	25.72	0.05	0.08
(ii) Old	.. Lakhs Hect.	—	0.10	0.75

**Diversion of Nurpur Bedian Choes into Satlej River :**

5.55 The choes between Nurpur Bedian and Ropar, on the Northern side of the Katar Thar Causes a serious devastation of vast agricultural area. Development of Nurpur Bedian Tract cannot take place under the present conditions. The Choes need to be diverted at the foot-hills into the Satlej river via diversion cunette into Sau Khad which discharges itself into Satlej. This can reclaim large areas for agricultural production. The scheme has already stand approved by the Technical Committee and State Flood Control Board for the past seven years. It should be taken up immediately to save the land and development of the

area. A provision of Rs. 25.00 lakhs is being made during 1984-85 for implementing this scheme. The total cost of the scheme is Rs. 70.00 lakhs.

5.56. The canalisation and reclamation of Satlej river bed near Ropar:—A vast area falls in the bed of Satlej river near Ropar, It can be reclaimed and better developed under the scheme. "The canalisation and reclamation of Satlej river below Ropar. This scheme can also help develop the beet of area of Noorpur Bedian in a better way. A psovision of Rs. 20.00 lakhs is being made during the year 1984-85 for implementing this scheme.

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**ANNEXURE-I**

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ANNEXURE  
ANNUAL PLAN

Statement showing cost estimates, date of start and completion, status and details of

Serial No.	Name of the Scheme	Estimated cost		Status of Project	
		Original	Revised		
1	2	3	4	5	
<b>Multipurpose Projects</b>					
1	Base Project Unit-I	..	1214.00	Stand cleared	
2	Beas Project Unit- I (Ext.)	..	168.00	Do	
3	Beas Project Unit -II	..	5395.00	Do	
4	Beas Project Unit II (Ext.)	..	813.00	Do	
5	Thein Dam	..	6963.00	66900.00	Do
6	Diversion weir of Shahnehar canal	..	1159.00	3630.00	Do
7	Dholbaha Dam	..	349.40	940.00	Do
8	Shahpur Kandi Project	..	6816.00	12430.00	Clearance awaited
9	Low dams in Kandi area	..	1000.00	1262.00	Do
<b>Major and medium irrigation schemes</b>					
1	Extension of non-perennial irri. to areas in UFFC tract	..	186.00	620.00	Clearance awaited
2	Utilisation of surplus Ravi Beas waters	..	186.00	1153.00	Do
3	Extension and Improvement of Shahnehar canal system	..	1063.00	3255.00	Stand cleared
4	Lining of Channels (World Bank portion)]	..	10009.00	11418.00	Do
5	Pilot demonstration	..	279.00	279.00	Do
6	Construction of new distributaries minors and bridges	..	400.00	400.00	..
7	Modernisation of existing canals	..	..	..	..

—I

1984-85

## expenditure for Multipurpose and Major and Medium Irrigation Schemes

(Rs in lacs)

Date of start	Scheduled date of completion	Expenditure incurred up to 1982-83	Spill over requirement after 1982-83	Outlay 1983-84	Outlay 1984-85
6	7	8	9	10	11
1959-60	Stands completed	1198.00	16.00	11.00	2.00
1978-79	1982-83	123.00	45.00	23.00	8.00
1959-60	Stands completed	5057.00	338.00	55.00	18.00
1978-79	1982-83	687.00	126.00	13.00	8.00
1977-78	7th Plan	6250.00	60650.00	500.00	700.00
1972-73	1983-84	3214.50	415.50	123.00	108.00
1980-81	1984-85	470.42	469.58	250.00	270.00
1977-78	7th Plan	30.00	12400.00	5.00	6.00
1980-81	7th Plan	47.62	1214.38	100.00	187.00
1967-68	1984-85	587.45	32.45	30.00	30.00
1967-68	1984-85	827.97	325.03	75.00	75.00
1975-76	1984-85	1262.01	1992.99	600.00	700.00
1979-80	1983-84	7929.59	3488.41	2200.00	2200.00
1979-80	1983-84	77.71	201.29	84.00	24.00
1980-81	7th Plan	88.10	311.90	25.00	35.00
1982-83	7th Plan	25.67	..	10.00	10.00

ANNEXURE  
ANNUAL PLAN  
Major and Medium Irrigation Projects

Serial No.	Name of the Scheme	District to be benefitted	Ultimate irrigation potential	Target Sixth Plan 1980-85	
				pot.	Util.
1	2	3	4	5	6
1	Thein Dam	.. Gurdaspur and Amritsar	348	—	—
2	Low Dams in Kandi Areas	.. Hoshiarpur and Ropar	4.5	4.5	4.5
3	Dholbaha Dam	.. Hoshiarpur	2.6	2.6	2.6
4	Extension of non-perennial Irrigation to areas in UBDC tract	.. Gurdaspur and Amritsar	235	43	43
5	Utilisation of Surplus Ravi Beas waters	.. Bhatidda Ferozepur Faridkot and Sangrur	305	43	43
6	Extension and Improvement of Shahnebar canal	.. Hoshiarpur and Jullundur	34	32	32
7	Lining of channles ( World Bank portion)	.. All Districts	89	36	36
8	Construction of new Distributaries and Minors	.. Do	24	22	22
9	Extension of Kandi canal re-oriented with three lift irrigation schemes	.. Hoshiarpur	26.4	—	—
10	Const. New lined combined channel Bikaner canal and Main Branch of Eastern canal	.. Ferozepur	8.0	4	4
11	Providing Irrigation facilities to areas on left side of Narwana Branch	.. Patiala	12	5	5
12	Providing Irrigation facilities to erstwhile Malerkotla State	.. Sangrur	17	5	5
			1105.5	197.1	197.1
<b>Command Area Development</b>					
	Lining of water Course (World Bank)	Portion, Bhatinda, Ferozepur, Faridkot, Sangrur	116.0	116.0	116.0



## ANNEXURE III

Schedules of new Expenditures Technical new Scheme for the year 1984-85 Shah Nehar Circle Talwara T/Ship Under Head " 532—Capital Outlay on Multipurpose River Project (Scheme) Plan (Rs' in lakhs)

Serial No.	Name of the Work	Proposed Expenditure
1	2	3
<b>I Works:</b>		
1	Constructing remaining works of Shah Nehar Barrage site i.e. model Room, Electric sub-station, Sentry posts and accommodation for security staff	10.00
2	Constructing Acqueduct of Sohan Khad including outstanding liabilities	9.00
3	Constructing left guide bund—balance work	8.00
4	Fabrication of over bridge (including liabilities of Beas Dam)	8.00
5	Gradation of Down stream of Shah Nehar Barrage	10.50
6	Gradation of Down stream of Sohan Khad aqueduct	2.00
7	Construction of Pucca Road from Water works to Shah Nehar Head Works	5.00
8	Making water supply arrangement of Shah Nehar Barrage i.e. construction of over head tank etc.	4.00
9	Making Lawns and land keeping of Shah Nehar Barrage areas	4.00
10	Obtaining discharge equipment Boats etc.	2.00
11	Constructing permanent office building at Shah Nehar Colony	6.00
12	Constructing quarters for regulation staff at Shah Nehar Barrage site	4.00
13	Making water supply of Shah Nehar Colony Constructing over head tank	4.00
14	Constructing Diversion Bund arrangement out standing liabilities	5.00
15	Land compensation for Shah Nehar works falling in Himachal Pradesh Territory (as per agreement signed between two Govt. at Simla)	8.00
16	Payment of retrenchment compensation during 1984-85	10.00
17	Maintenance of H.T. & L.T. Line during 1984-85 and electric bills	4.00
18	Running of Jeeps and Cars during 1984-85	2.00
19	Maintenance of Shah Nehar Barrage and Head Works for the year 1984-85	10.00
20	Making safety security arrangement of Shah Nehar Barrage for the year 1984-85	3.00
21	Maintenance of Roads in Shah Nehar Project for the year 1984-85	2.00
22	Maintenance of Residential and non-residential Building at Shah Nehar Barrage for the year 1984-85	2.00
23	Maintenance of Shah Nehar Rest House for the year 1984-85	1.50
	<b>Total</b>	<b>124.00</b>
<b>ABSTRACT</b>		
	<b>Works</b>	<b>124.00</b>
	<b>Machinery and Equipment (Maintenance)</b>	<b>2.00</b>
	<b>IV—Suspense</b>	<b>10.00</b>
	<b>Grant Total</b>	<b>136.00</b>
The above estimate do not include following recoveries which are adajstable in the Accounts in reduction of Expenditure		
(i)	Disposal of Machinery by sale or Transfer	(—) 32.00
(ii)	Depreciation of Machinery	(—) 2.00

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(iii) Disposal of Stores by Sale of Transfer	..	(—) 15·00
(iv) D/D R &R on Capital Account	..	—
		<hr/>
Total Deduct	..	(—) 49·00
Net Total (Workers)	..	87·00
Add Establishment Changes	..	21·50
Grand Total	..	<hr/> 108·50
	.. say	108·00

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Superintending Engineer.  
Shah Nehar Circle, Talwara.



## ANNEXURE IV

List of works to be executed under the Dholaha Project during the year 1984-85

Serial No.	I—Works	Amount (Rs. in lakhs)
1	A—Preliminary expenses	2.00
2	B—Land	10.00
3	C—Works	22.30
4	K—Building	8.00
5	L—Earthwork	58.09
6	Escape Channel	12.00
7	Spilway	47.20
8	Irrigation system	43.00
9	O—Miscellaneous	10.00
10	Machinery and Equipment	2.70
11	Suspense	24.00
12	Establishment	30.70
	Total	270.00

## ANNEXURE V

List of work proposed to be carried out under the Scheme "Low Dams in Kandi Area" during 1984-85

		(Rs. in lakhs)
1. Maili Dam		
A—Preliminary	Detailed Survey and Investigation	.. 1.00
B—Land	Land acquisition	.. 7.00
L—E/work	Dam construction	.. 35.89
C—Works	Outlet spillway and Ty. Diversion etc.	16.00
K—Build's	Building construction	.. 8.00
3. Distribution	Distribution system (including deep tubewell)	.. 15.00
	Establishment (existing)	.. 17.11
	Total	.. <u>100.00</u>
2. Patiala Ki Rao	Installation of 4 No. Tubewells	.. 25.00
3. Janauri	Janauri works (Detailed, Survey material, investigation, Land Acquisition etc.)	.. *30.00
4. Chohal	Installation of 5 No. Tubewells	.. *32.00
	Grand Total	.. <u>187.00</u>

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\*It included Rs. 23.89 lakhs for establishment (existing)

## ANNEXURE VI

List of works proposed to be taken up during the year 1984-85 under the scheme of Extension of non-perennial irrigation to areas in U.B.D.C. Tract

Serial No	Name of Scheme	Amount required for 1984-85 (Rs in lakhs)
1	Remodelling 6 Nos. falls and bridges on Basarke Disty.	3.00
2	Remodelling bridges on Ranewali Dist. at R.D. 16680 and 21966	0.80
3	Remodelling V.R. & D.R. Bridges on Aliwal Disty.	1.00
4	Remodelling V.R. & D.R. Bridges on Majotha Disty.	1.00
5	Remodelling 6 Nos. falls and bridges on chabhal Disty.	3.00
6	Remodelling Head Regulator of Sukharchak Disty.	0.70
7	Remodelling V.R. Bridges on Kunjar Disty. system	1.00
8	Constructing new Talwandi Sub-Minor offtaking at R.D. 24800-L Rasulpur Disty.	1.00
9	Reconditioning of Jodhsingwala Disty. system	5.00
10	Reconditioning of Bhoewal fall at R.D. 108260 KBL	2.00
11	Constructing V.R. Bridge at R.D. 27500	3.00
12	Constructing V.R. Bridge at R.D. 70000 Rahia Disty.	0.50
13	Remodelling D.R. Bridge at R.D. 3890 Minor No. 4 of Raina Disty.	0.50
14	Payment of land compensation of various sites on Ramdass Disty.	4.00
15	Constructing V.R. Bridges at R.D. 5500 4-L Minor R.D. 2456 and R.D. 7105 of Ganda Singh Sub-Minor	0.80
16	Constructing Drainage system at R.D. 14000 Bazidpur Minor	0.70
	Total works	28.00
	Establishment	2.00
	Net Total	30.00

## ANNEXURE VII

List of works to be undertaken for the Scheme "utilisation of Surplus Ravi Beas Waters" during the year 1984-85

Serial No.	Name of Estimate	Amount (Rs. in lakhs)
1	2	3
1	Raising bank of eastern canal	22.00
2	Raising Bank/Lining of Sirhind feeder	14.00
3	Remodelling and extension of Mamdot disty.	2.00
4	Constructing outlet of Sanaur disty. system	0.50
5	Remodelling of fall-cum-bridge on lined channels of Sanaur disty.	0.50
6	Remodelling of pacca works Aznauti and Allowan disty. system	2.00
7	Extension of irrigation to Malerkotla area—	
	(i) Extension of Rohira dsty. R.D. 41—71000	2.00
	(ii) Extension of Kanganwal R.D. 15250—52000	2.00
	(iii) Extension of 2-R Mr. of Malaud disty.	2.00
	(iv) Extension of Malaud disty.	2.00
8	Constructing fall-cum-bridge at R.D. 13520 of K.B.	} 26.00
9	Constg. fall-cum-bridge at R.D. 60200 of K.B.	
10	Remodelling fall-cum-bridge at R.D. 86000 of K.B.	
11	Remodelling fall at R.D. 186000 of K.B.	
12	Remodelling Hiad Regulator of Sangrur disty.	
13	Remodelling Hiad Regulator of Sheron disty.	
14	Remodelling of falls at R.D. 23000, 55000, 11, 7980 1,35000 and 1,72000 of G.B.	
15	Providing D/S protection of fall at R.D. 118000 to pass the revised discharge safely	
16	Constructing proportionate disty. at out fall of main channel at R.D. 23000, 55000 & 135000 of G.B	
	Total	75.00

## ANNEXURE VIII

Details of works to be executed under the scheme "Extension and Improvement of Shah Nehar Canal System" during 1984-85

Serial No.	Item of works	Amount
		Rs. in lakhs
1	Preliminary works	0.30
2	Payment of Land compensation	99.00
3	Earth work	160.00
4	Lining	74.00
5	III—Distributaries	58.00
6	Bridges	2.00
7	Railway Bridge	20.00
8	Cross Drainage Works	154.00
9	K—Buildings	15.60
10	Drainage & Protective Works	8.00
11	O—Miscellaneous	11.21
12	P—Maintenance	1.52
13	Machinery & Equipment	16.00
14	Suspense	13.00
15	Fixing outlets	2.00
	Total Works	634.63
	Establishment	66.00
		700.63 lakhs Say 700 lakhs

## ANNEXURE IX

Details of works to be carried under the scheme "Construction of New Distributaries, Minors and bridges" during the year 1984-85

Serial No.	Name of the Scheme	Outlay for 1984-85
		(Rs. in lakhs)
1	Constg. Nadana Mr. RD 18000 offtaking RD 30345 Nizamwah disty.	.. 4
2	Constg. Odel Mr. off-taking at RD 70298 Zandwala Disty. & Providing link Channel off taking at RD 48000-R Southern Disty.	.. 5
3	Constg. Kahan Singhwala reclamation channels RD 0—5800 offtaking RD 110700-R of main Br.	.. 4
4	Constg. New Abol Khwana Disty.	.. 2
5	Constg. a new lined upper Kauni Disty. bridge & through	.. 2
6	Constg. Ablu Mr. RD from 43860	.. 6
7	Constg. new lined Pitho Mr. RD-0—12640 offtaking RD 35400-L Phul Disty.	.. 3
8	New Kalyan Minor	.. 3
9	Constg. of Horan Khurd Mr. to take off from Biro Br. of Ghaggar Br.	.. 6
	Total	.. <u>35.00</u>

## ANNEXURE—X

List of proposed works under the Scheme "Pilot Demonstration" during the year 1984-85

Serial No.	Name of work	Amount Rs. in lakhs
1	Annual O & M and collecting field data of existing 7 No. sprinkler irrigation schemes as detailed below ..	5.00
	(i) Kabahrwala ..	
	(ii) Malookpur	
	(iii) Theri Bhai Ke	
	(iv) Bhanini Bagha	
	(v) Azimgarh	
	(vi) Jidda-II	
	(vii) Mann Minor	
2	Annual O & M of 4 No. inspection vehicles ..	2.50
3	Establishment charges (existing) I.P.D.D.—	
	(i) Supervision ..	7.50
	(ii) Execution ..	9.00
	Total	24.00

## CHAPTER VI

### 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 are given in the following table :—

**TABLE 6-1**

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	Percentage of col. 4 to 3
1	2	3	4	5
1	Fourth Plan (1969—74)	293.56	119.08	40.56
2	Fifth Plan (1974—79)	1027.00	403.07	39.25
3	1979-80	260.00	94.71	36.42
4	1980-81	300.00	104.31	34.77
5	1981-82	340.00	133.60	39.29
6	1982-83	385.00	189.18	49.14
7	1983-84	440.00	213.00	48.41
8	1984-85 (Proposed outlay)	488.00	215.21	44.10

6.2. 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 upto the year 1987-88 is depicted below :—

**TABLE 6-2**

Forecast Energy Demand upto 1987-88

Year	Anticipated energy requirement in MKWH	Anticipated peak demand in MW
1	2	3
1982-83	8472	1625
1983-84	9164	1758
1984-85	10247	1966
1985-86	11462	2199
1986-87	12759	2448
1987-88	14084	2678

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

(i) its own projects such as Shanan Power House, U.B.D.C. Power House, G.N.D.T.P. Bhatinda, Diesel Generating Sets and Mukerian Hydel Project, Phase-I

(ii) from common 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. Govt. and from J. & K. Government.

6.3. 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.). The year-wise position



with regard to increase in 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 6.3**  
Likely increase in installed capacity

(In MW)

Serial No.	Name of Power House/Project	Installed capacity during					
		1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
1	2	3	4	5	6	7	8
1	Shanan Renovation	48	48	54	60	60	60
2	Shanan Extension	—	—	50	50	50	50
3	U.B.D.C. Stage I	45	45	45	45	45	45
4	Share in Bhakra Complex	613	613	631	662	680	689
5	Beas Unit-I	317	317	317	317	317	31
6	Beas Unit-I (Extension)	—	—	—	—	158	158
7	Beas Unit-II	60	60	60	60	60	60
8	Beas Unit-II (Extension)	—	—	—	30	30	30
9	Anandpur Sahib Hydel Project	—	—	—	—	—	134
10	Mukerian Hydel Phase-I	—	—	—	—	45	45
11	G.N.D.T.P. Units I & II	220	220	220	220	220	220
12	G.N.D.T.P. Extension Units III & IV	220	220	220	220	220	220
13	Ropar Thermal Project Stage-I	—	—	—	—	210	420
14	Diesel sets	14	14	14	10	10	10
	<b>Total</b>	<b>1537</b>	<b>1537</b>	<b>1611</b>	<b>1674</b>	<b>2105</b>	<b>2458</b>

6.4. It would be seen from the above table that the installed capacity is likely to increase from 1537 MW in 1979-80 to 2458 MW in 1984-85. The generation capacity and energy availability from the full utilization of the existing on-going projects in the State would however, be as in table 6.4.

**TABLE 6.4**  
Energy availability upto 1987-88

Year	Energy availability in MKV'H	Generating capacity in M.W.
1	2	3
1983-84	6911	1351
1984-85	8493	1593
1985-86	9846	1723
1986-87	10614	1846
1987-88	10981	1832

6.5. The projections of the gap between the requirements and availability of power upto the year 1987-88 are given in the following table :—

**TABLE 6.5**  
**Estimated gap between demand and supply of Power**

Serial No.	Item	Years				
		1983-84	1984-85	1985-86	1986-87	1987-88
1	2	3	4	5	6	7
1	Generating capacity available—MW	1351	1593	1723	1846	1832
2	Anticipated Peak Demand-MW	1758	1966	2199	2448	2678
3	Deficit (Col. 2-1) MW	407	373	476	602	846
4	Additional installed capacity required to offset the generation capacity deficit-MW	678	621	793	1003	1410
5	Energy availability-MKWH	6911	8493	9846	10614	10981
6	Energy requirement—MKWH	9164	10247	11462	12759	14084
7	Deficit (Col. 6-5)—MKWH	2253	1754	1616	2145	3103

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

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

with a view to realising full benefits from them within the shortest possible time. The following table indicates programme-wise details regarding actual expenditure for 1982-83, outlay and anticipated expenditure for 1983-84 and proposed outlay for 1984-85.

**TABLE 6.6**

**Programme-wise expenditure of Outlays since 1982-83 and Proposed Outlay in 1984-85**

(Rs. in lakhs)

Programme	1982-83	1983-84		1984-85
	Actual expenditure	Approved outlay	Anticipated expenditure	Proposed outlay
1	2	3	4	5
1. Generation	14374	16310	16310	16280
2. Transmission and Distribution —				
(a) Transmission	2688	2800	2800	—
(b) Normal Development Works	730	1000	1000	—
(c) System Improvement and improvement of Transmission system	582	500	500	—
Total—2	4000* (3300)	4300	4300	4800
3. Rural Electrification—				
(i) From R.E.C.	629	690	690	200
(ii) From State Plan	571	—	—	—
Total—3	1200	690	690	200
4. Power Development	44	—	—	241
..	18918	21300	21300	21521

\*Out of the outlay of Rs. 4000.00 lakhs for transmission and distribution works, Rs. 3300.00 lakhs was met from plan budget while Rs. 700.00 lakhs was met by reducing the inventory by CE/TS.

6.7. The Board has no capital of its own. The total capital structure comprises loans which are raised from the State Government and other financial institutions i.e. Life Insurance Corporation, Rural Electrification Corporation and Agricultural 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 power portion of Annual Plan 1984-85 will be financed as per details given in the following table :

**TABLE 6.7**  
**Source of finances for implementing power sector**

Source	(Rs in crores)
	Annual Plan 1984-85
1. Borrowing from market (net) ..	13.20
2. Borrowing from L.I.C. (gross) ..	10.23
3. Borrowing from R.E.C. (gross) ..	2.00
4. Borrowing from others (gross) ..	—
5. Internal resources ..	(—)0.39
<b>Total (1 to 5)</b> ..	<b>25.04</b>
6. Government loan ..	190.17
<b>Total</b> ..	<b>215.21</b>

The various projects/programmes to be executed during 1984-85 are discussed below:—

#### A. MULTIPURPOSE PROJECTS

##### (i) Beas Project :

6.8. This is an inter-State project with Punjab, Haryana and Rajasthan as partners. The project is being executed by the Beas Construction Board. The project comprises Beas Unit-I (Dehar Power Plant) and its extension and Beas Unit-II (Pong Power Plant) and its extension. The allocation of expenditure between power and irrigation is in the ratio of 94:6 for Unit-I (including Extension Project) and in the ratio of 23.5 : 76.5 for Unit -II and its extension. The expenditure and benefits debitable to power portion between Punjab, Haryana and Rajasthan are in the ratio of 48 :32:20 respectively for Unit-I and 24.9:16.6:58.5 respectively for Unit-II.

##### (a) Beas Unit-I Dehar Power Plant :

6.9. The project envisaged the installation of four units of 165 MW capacity each in Dehar Power Plant. Punjab's share in this power plant is 317 MW. The 1st and 2nd units of the plant were commissioned in November, 1977 and March,

1978, respectively while the 3rd and 4th units were commissioned in June, 1979.

6.10. In the total estimated cost of Rs. 39685.00 lakhs, the share of Punjab chargeable to power sector is Rs. 17906.00 lakhs. An expenditure of Rs. 17671.29 lakhs has already been incurred upto March, 1983. An outlay of Rs. 34.00 lakhs has been proposed during 1984-85. This outlay would be utilised for establishment charges of a large surplus work force which could not be retrenched due to administrative reasons and for completion of certain residual works.

##### (b) Beas Unit I (Extension) :

6.11. The Dehar Power Plant (Extension) envisages the installation of two additional units of 165MW capacity each in Dehar Power Plant. The State's share in this plant is 158 MW. One unit has already been commissioned on 17th July, 1983 and second unit was expected to be commissioned by November, 1983.

6.12. The latest estimated cost of the Beas Unit-I (extension) project, expenditure incurred upto 1982-83, anticipated expenditure during 1983-84, spill over requirement after 1983-84 and proposed outlay for 1984-85 are given as under : —

	(Rs in lakhs)
1. Latest estimated cost ..	2470.00
2. Expenditure upto 1982-83 ..	1891.27
3. Anticipated expenditure in 1983-84	339.00
4. Spill over requirement after 1983-84 ..	239.73
5. Proposed outlay for 1984-85	118.00

##### (ii) Beas Unit-II

6.13. The Beas Project Unit-II (Pong Power Plant) envisages the installation of 4 units of 60MW capacity each. The State's share in this power plant is 60 MW.

6.14. In the total estimated cost of the project of Rs. 28320.00 lakhs the State's share is Rs. 1657.00 lakhs. An expenditure of Rs. 1557.48 lakhs has already been incurred upto March, 1983. An outlay of Rs. 6.00 lakhs has been proposed for 1984-85 against a sum of Rs. 17.00 lakhs anticipated during 1983-84. Though all the 4 units

of project were commissioned by March, 1979, yet some expenditure in being incurred mainly towards the establishment charges of a large surplus labour force which could not be retrenched due to administrative reasons and for completion of certain residual works.

#### Beas Unit-II (Extension)

6.15. The Pong Power Plant extension envisages the installation of two additional units of 60 MW capacity each. The State's share in this power plant is 30 MW. Both the units have been commissioned during 1982-83. The details of outlay and expenditure upto date are given as under :

	(Rs in lakhs)
1. Latest estimated cost (chargeable to power portion, Punjab) ..	250.00
2. Expenditure incurred upto 1982-83 ..	248.23
3. Anticipated expenditure during 1983-84 ..	4.00
4. Proposed outlay for 1984-85 ..	2.00

Although the project has been fully provided for minor amount is needed to settle the left over payments.

#### Thein Dam Project including U.B.D.C.—II.

6.16. 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. 669.00 crores and envisages the installation of 4 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 1989-90. The U.B.D.C. stage II also forms an integral part of Thein Dam and it envisages additional installation of one Unit of 15 MW each in the existing three power houses of U.B.D.C. Stage-I. An outlay of Rs.1800.00 lakhs is proposed for Thein Dam for 1984-85,

## B. POWER PROJECTS

### (i) Shanan Renovation Project :

6.17. Shanan Renovation Project is two stage project, i.e.:

- (1) Restoring the derated capacity of 9MW each of 4 units to their original capacity of 12 MW each by replacing the generator winding ;
- (2) Up-rating of 4 units from 12 MW to 15 MW each by replacing turbine governing system, exciters, allied equipment in the control room, indoor switch gear and transformers and augmentation of water conductor system.

The first stage of the project as cited above on Machine numbers I, II, III and IV has already been completed by March, 1976.

6.18. The uprating of its two units from 12 MW to 15MW capacity each have been completed during 1981-82 and the rest of the two units have also been uprated during 1982-83. A sum of Rs. 100.00 lakhs is proposed for 1984-85 against the anticipated expenditure of Rs. 60.00 lakhs during 1983-84. The details of outlay and expenditure upto date for the project is given as under :—

	(Rs in lakhs)
1. Estimated cost of project ..	1104.00
2. Expenditure incurred upto 1982-83 ..	700.43
3. Anticipated expenditure for 1983-84 ..	60.00
4. Spill over requirement after 1983-84 ..	343.57
5. Proposed outlay for 1984-85 ..	100.00

The estimated cost of this project has increased from 831.32 lakh to Rs. 1104.00 lakhs. This over-run in cost estimate of the project is due to the fact that some deferred payments are to be made to suppliers and the necessity to procure the spherical valves and spare turbine runners and the need for rock bolting operations.

### (ii) Shanan Extension Project :

6.19. This project envisaged the installation of one unit of 50 MW capacity adjacent to existing

four units of 15 MW capacity each at Shanan Power House, Joginder Nagar. This is an important project which can give immediate benefit to the state by increasing generation by 176 MU (gross) per year. The details of outlay and expenditure upto date are given as under :—

		(Rs. in lakhs)
1.	Latest estimated cost of the project ..	1978.00
2.	Expenditure incurred upto 1982-83 ..	1874.92
3.	Anticipated expenditure during 1983-84 ..	13.00
4.	Spill over requirement after 1983-84 ..	90.08
5.	Proposed outlay for 1984-85	20.00

**6.20.** The project has already been commissioned in 1981-82. The proposed outlay for 1984-85 is required to redeem pending payments and for completing residual works like switch yard foundation, fencing and procurement of equipment relating to associated works.

**(iii) GNDTP Extension Units—III & IV :**

**6.21.** Both the units of 110 MW capacity each of this project have already been commissioned. An outlay of Rs. 50.00 lakhs for 1984-85 against the expenditure of Rs. 137.00 lakhs anticipated during 1983-84 is proposed to meet the liabilities following escalation in the cost of equipment. The details of outlay and expenditure upto date are given as under :—

		(Rs. in lakhs)
1.	Latest estimated cost of the project	7,115.00
2.	Expenditure upto 1982-83	6,638.80
3.	Anticipated expenditure in 1983-84	137.00
4.	Spill over requirement after 1983-84	339.11
5.	Proposed outlay for 1984-85	50.00

**(iv) Anandpur Sahib Hydrel Project :**

**6.22.** The project envisages the installation of 4 units of 33.5 MW capacity each in two

power plants to be constructed on a hydel channel which will take off from Nangal Headworks and run parallel to the existing Nangal Hydrel Channel. On completion of the Beas Sutlej Link, additional release for Bhakra Dam are available, which would be utilised for power generation. The cost estimate of this project has been revised upward from Rs. 96.12 crores at 1980's price level to Rs. 150.14 crores at 1982's price level. The latest revised cost is given at Rs. 164.39 crores.

**6.23.** It is now envisaged that this project would start functioning during 1984-85. An outlay of Rs. 1000.00 lakhs is proposed for 1984-85 at the current year's level.

The details of outlay and expenditure upto date are given below :—

		(Rs. in lakhs)
1.	Cost estimates of the project at 1980-81 price level ..	9,612.00
2.	Cost estimates as per 1982's price level	15,014.00
3.	Latest cost estimates ..	16,439.00
4.	Expenditure incurred upto 1982-83	13,714.48
5.	Anticipated expenditure for 1983-84 ..	1,000.00
6.	Spill over requirement after 1983-84 ..	1,724.52
7.	Proposed outlay for 1983-84	1,000.00

**6.24.** The outlay would be utilised on civil and electrical works and on establishment. Civil Works, *inter-alia* include concreting of head regulator Stage-I, excavation/compaction, lining and service and boundary roads of hydel channel both of P.H.I. and P.H. II, concreting of intake work of stage-I, excavation, concreting gates and gears and cleaning trash rack of intake work of stage-II, excavation, concreting and gates and gears of bye-pass channel of stage-II, fabrication of erector and concreting of penstock stage-II, excavation and concreting swith-yard stage-I, on bridges and on road and railway, etc.

**(v) Mukerian Hydrel Project :**

**6.25.** The project envisages the construction of four power plants with an installed capacity of

207 MW on a Hydel channel which will take off from the left Bank of river Beas near Talwara Township utilising the total head of 265 ft. It is proposed to install 6 units of 15 MW capacity each in the first two power plants and another 6 units of 19.5 MW capacity each in the other 2 power plants. The estimated cost of the project calculated at Rs. 115.58 crores at 1980 price level was revised upward to Rs. 235.19 crores at July, 1982 price level. The latest cost estimates now given is at Rs. 249.63 crores for this project.

6.26. The work of Phase-I comprising 3 units of 15 MW capacity each has been completed on 2nd October, 1983. Due to inadequacy of funds the work on phase-II of this project was slowed down considerably. Now it has been decided to take up the phase-II of this project at full steam. An outlay of Rs. 5500.00 lakhs is proposed for 1984-85 against the expenditure of Rs. 200.00 lakhs anticipated during 1983-84. The details of outlay and expenditure upto date are given below :—

	(Rs. in lakhs)
1. Cost estimates at 1980 price level ..	11558.00
2. Cost estimates at 1982 price level ..	23519.00
3. Latest revised cost estimate	24963.00
4. Expenditure incurred upto 1982-83 ..	6497.88
5. Anticipated expenditure in 1983-84 ..	200.00
6. Spill over requirement after 1983-84 ..	18265.12
7. Proposed outlay for 1984-85	5500.00

(vi) **U.B.D.C. Stage-I**

6.27. The three Power Houses of 15 MW capacity each of U.B.D.C. Stage-I Project were commissioned during August, 1971, May, 1972 and April, 1973 respectively and are in operation. Since the project has been commissioned no outlay is proposed for 1984-85.

(vii) **Renovation/Modification of GNDTP, Bhatinda**

6.28. There were some basic deficiencies in the plant and machinery of GNDTP, Bhatinda,

which resulted in the reduced plant load factor. Ministry of Energy has given certain guide lines for improvement of Thermal plants. Keeping this in view the matter was taken up with BHEL and problems responsible for lower plant load factor were identified and BHEL has suggested the remedial measures, which are as under :—

- (i) Providing additional clarifier for D.M. Plant ;
- (ii) Augmentation of water treatment plant ;
- (iii) Extension/Improvement of coal handling plant ;
- (iv) Modification and augmentation of ESP's ;
- (v) Improvements in ash handling plant ;
- (vi) Provision of Economisers of modified design ; and
- (vii) Provision of new air heaters.

An outlay of Rs. 300.00 lakhs has been proposed for 1984-85 at the current's year level for carrying out the above cited works.

(ix) **Ropar Thermal Plant Stage -I**

6.29. The Ropar Thermal Plant envisages the installation of 5 units of 210 MW capacity each. The Planning Commission cleared the proposal in July, 1979, for installation of 2 units of 210 MW each in Stage-I at an estimated cost of Rs. 168.00 crores. The latest estimated cost is now given at Rs. 361.00 crores.

6.30. Against the anticipated expenditure of Rs. 140.00 crores during 1983-84 an outlay of Rs. 70.00 crores is proposed for 1984-85. The details of outlay and expenditure are given as under :—

	(Rs. in lakhs)
(1) Initial approved cost ..	16800.00
(2) Latest estimated cost ..	36100.00
(3) Expenditure incurred upto 1982-83 ..	13415.57

- (4) Anticipated expenditure for  
1983-84 .. 14000.00
- (5) Spill over requirement after  
1983-84 .. 8684.43
- (6) Proposed outlay for 1984-85 7000.00

**6.31** The proposed outlay for 1984-85 would be utilised mainly on the construction of roads, bridges and railway siding, providing ancillary buildings including civil works of coal and ash handling plants. In the linking channel of SYL and NHC of proportionate construction of 23Kms, of SYL, residential buildings, water supply drainage and sanitation, T.G. set including condenser feed, heaters, accessories, boiler house equipment, milling plant etc. coal handling plant control and instrumentation, spares for T. G. boiler and others, establishment and other contingencies of work. It is envisaged that both the units of this project would start as per schedule, first unit in 1983-84 and second unit in 1984-85.

#### **New Schemes :**

**6.32** As already stated, there is significant gap between the requirement and availability of power which would widen further unless some new projects are immediately taken up for execution so as to yield benefit in the Seventh Plan. Keeping this in view P.S.E.B. proposes to take up the following schemes:—

#### **Ropar Thermal Project Extension-II**

**6.33** This project had been deferred due to coal linkage problem. The Government of India has recently cleared the coal linkage for two units and work on it is proposed to be taken during 1984-85. A sum of Rs. 50.00 lakhs is being proposed for 1984-85 to take up preliminary works of the project.

#### **Participation in Hydel Projects with Neighbouring States :**

**6.34** As Punjab is left with no significant exploitable water power potential and is situated quite away from the coal fields, it is imperative that joint ventures are embarked upon to exploit the vast hydro potential of neighbouring States of Himachal Pradesh and Jammu and Kashmir. A memorandum of understanding has been reached with Himachal Pradesh for joint collaboration of Baspa Hydro Electric Project (400MW) and Karcham

Wangtoo Hydro Electric Project (600 MW). A sum of Rs. 200.00 lakhs is proposed for 1984-85 for making preliminary expenditure on these projects.

#### **Micro Hydel Schemes :**

**6.35** There are a number of small falls on canals available throughout the State which can be utilised for generation 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 one scheme namely Daudhar Micro Hydel scheme has so far been cleared by CEA and work on it is proposed to be taken up during 1984-85. More schemes are likely to be cleared shortly. A sum of Rs. 100.00 lakhs is proposed for execution of this scheme during 1984-85.

Details regarding cost estimates, date of commencement, expected date of completion, status of the project, expenditure incurred up to the end of 1982-83, anticipated expenditure for 1983-84 and proposed outlay for 1984-85 in respect of various generation projects are given in Annexure-I to this chapter.

#### **B. Transmission and Distribution :**

**6.36** The transmission lines are the means to transmit power from the power plants to the grid-sub-station 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, 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 Sixth Plan and adequate provision was provided for this purpose during the year 1984-85.

#### **(1) CONTINUING SCHEMES—**

##### **(a) Beas Transmission Project:**

**6.37** 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 the 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;**

6.38 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 percent and 23.8 per cent among Punjab, Haryana and Rajasthan, respectively.

**(ii) PSEB Works :**

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

6.40 The transmission works comprising lines, new sub-stations and augmentation of various sub-stations provided in the transmission projects namely UBDC-I, Bhakra Right Bank, GNDT 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 a backlog and works are pending which were planned much earlier. Efforts would be made to undertake works during 1984-85 for completing the pending & new transmission works of these projects.

**220 KV, 132 KV and 66 KV Transmission Works of Fifth Plan :**

6.41 The works for 220 KV, 132 KV and 66 KV transmission system connected with the Fifth Plan schemes has been under execution for the last few years. Due to constraint on financial resources many works are still under construction and would complete in due course.

**(c) 220/132/66 KV Transmission works of the 6th Plan connected with New Schemes (PSEB) :**

6.42 The project transmission works relating to generation schemes such as Anandpur Sahib Hydel Project and Mukerian Hydel Project taken up during Sixth Plan has been finalised by the CEA/ Planning Commission. The cost estimates of these transmission works has been calculated at Rs. 71.06 crores.

**(d) Transmission Lines for Dehar Extension Project :**

6.43 An outlay of Rs. 1.00 lakhs has been proposed in Annual Plan 1984-85 for this transmission project as against the expenditure of Rs. 4.00 lakhs likely to be incurred during 1983-84. Outlay for 400 KV Dehar-Patiala-Bhiwani line is not acceptable to PSEB as this work is of no use to PSEB and the latter does not want to share the cost of the project.

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

6.44 These works comprise construction of 33 KV transmission lines and sub-stations, which are not covered under the above transmission projects. These 33 KV sub-stations serve as links between the main transmission sub-stations 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 sub-stations 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-station would also help in reduction of distribution losses.

**C. Normal Development Works :**

6.45 The normal development works include giving of 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 1982-83, 1983-84 (anticipated achievement) and proposed target for 1984-85 are given as under :—

TABLE NO. 7.8

Serial No.	Particulars	Unit	Achievement upto 1982-83	Anticipated achievement during 1983-84	Proposed Target 1984-85
1	2	3	4	5	6
1	General connections (Domestic and Commercial)	.. No.	2026270	125000	12500
2	Industrial connections	.. No.	61251	4200	500

**6.46** An outlay of Rs. 12.00 crores has been proposed for 1984-85 against an anticipated expenditure of Rs. 10.00 crores during 1983-84 for this programme.

**Improvement of Transmission and Distribution system and reduction of transmission and distribution losses in Punjab :**

**6.47** 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. In a system where agriculture accounts for about 45% of the total consumption, the transmission losses are likely to be high. 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 year 1968-69 to 19.46% in the year 1981-82. 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 19.25% in 1983-84 and 19.00% in 1984-85. An outlay of Rs. 600.00 lakhs is proposed for 1984-85 against an anticipated expenditure of Rs. 500.00 lakhs during 1983-84.

**Rural Electrification :**

**6.48** 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 improve 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.

**6.49** The funds for Rural Electrification are at present being provided from two sources, namely from R.E.C. and from State Plan. The R.E.C. funds can only be spent against the sanctioned schemes as approved by the Rural Electrification Corporation.

**Energisation of Tubewells :**

**6.50** The number of tubewells/pump set energised in the State upto the end of 1982-83 was 3,33,272. It is proposed to go a little slow under this programme due to persistent shortfall in the availability of energy anticipated throughout the Sixth Plan period. Thus the target for energising the tubewells has been revised down ward from 1,65,300 to 1,20,000 during Sixth Plan period. An outlay of Rs. 200.00 lakhs has been proposed on the Plan side for energising of 2,000 tubewells for 1984-85 against an anticipated expenditure of Rs. 690.00 lakhs during 1983-84.

**Power Development**

**(a) Investigation :**

**6.51** To meet with the evergrowing power demand of Punjab, all possible new schemes

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.

An outlay of Rs. 41.00 lakhs is proposed for investigation during 1984-85.

**(b) Research Stations :**

6.52 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 :**

6.53 The necessity of running the power system on an integrated basis has already been recognised. The State of Punjab is covered under one of the regions, viz. 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 constituents 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 at a cost of Rs. 5.02 crores. An outlay of Rs. 200.00 lakhs is proposed during 1984-85. It is expected this Load Despatch Centre will be commissioned by 1985-86.

## Information regarding cost estimates, date of completion

Serial No.	Name of the Scheme	Latest estimated cost	Date of commencement
1	2	3	4
1	Beas Project Unit-I ( $4 \times 165 = 660$ MW)	17906.00	1959-60
2	Beas Project Unit-I (Ext. $2 \times 165 = 330$ MW)	.. 2470.00	..
3	Beas Project Unit-II ( $4 \times 60 = 240$ MW)	.. 1657.00	1959-60
4	Beas Unit-II (Ext. $2 \times 60 = 120$ MW)	.. 250.00	..
5	Thein Dam Project ( $4 \times 150 = 600$ MW)	.. 66900.00	1978-79
6	Shanan Renovation Project ( $4 \times 6 = 24$ MW)	.. 1104.00	1972-73
7	Shanan Ext. Project (50 MW)	.. 1978.00	1975-76
8	GNDTP—III and IV ( $2 \times 110 = 220$ MW)	7115.00	1974
9	Anandpur Sahib Hydel Project ( $4 \times 33.5 = 134$ MW)	.. (i) 9612.00 (at 1980 price level) (ii) 15014.00 (at 1982 price level) (iii) Latest revised cost 16439.00	1974
10	Mukerian Hydel Project $6 \times 15 = 90$ MW $6 \times 19.5 = 117$ MW Total = 207 MW	(i) 11558.00 (at 1980 price level) (ii) 23519.00 (at 1982 price level) (iii) Latest revised cost—24963.00	1977-78
11	Ropar Thermal Project Stage—I ( $2 \times 210 = 420$ MW)	.. (i) 16800.00 (original cost) (ii) Latest revised cost 36100.00	1978-79

I

## details of expenditure for Power Projects

(Rs. in lakhs)

Latest commissioning schedule	Status of project	Expenditure upto 1982-83	Anticipated expenditure 1983-84	Spillover requirement after 1983-84	1984-85 proposed outlay
5	6	7	8	9	10
Already commissioned	Stands cleared	17671.29	170.00	64.71	34.00
Unit I/6/83	Ditto	1891.27	339.00	239.73	118.00
Unit II/11/83	Ditto	1557.48	17.00	82.52	6.00
Already commissioned	Ditto	248.23	4.00	—	2.00
1989-90	Technically cleared	200.00	—	6670.00	1800.00
Commissioned	Stands cleared from GOI	700.43	60.00	343.57	100.00
Do	Ditto	1974.92	13.00	90.08	20.00
Do	Ditto	6638.89	137.00	339.11	50.00
1984-85	Technically cleared	13714.48	1000.00	1724.52 (as per latest cost)	1000.00
Phase I—1982-83 Phase II—1986-87	Ditto	6497.88	200.00	18265.12 (as per latest cost)	5500.00
1st Unit 12/83 2nd Units 6/84	Ditto	13415.57	14000.00	8684.43 (as per latest revised cost)	7000.00

## Industry and Minerals

The economy of the State has reached a stage, where further increase in *per capita* income is very much dependent upon a planned accelerated industrial development. The Sixth Five Year-Plan suggest to bring about a fundamental improvement in the situation through a diversification of economy from agriculture to industry and achieving a balanced regional growth in the State. During the first four years of the Sixth Five-Year Plan period, efforts made for industrialisation showed good results. The contribution of Industry (at current prices) to the State income in 1981-82, was 13.64 per cent as compared to All India average of 16.7 per cent. The corresponding contribution in the year 1979-80 was 12.60 per cent against the All India average of 17.4 per cent for that year. The trend of the earlier years will be continued during 1982-84 by continuing to provide a package of incentives to the intending entrepreneurs.

7.2 The plan lays emphasis on the co-ordinated development of medium, small and tiny industry spear-headed by modern large scale industries. The medium and large industrial units especially those which are agro-based have been encouraged to the maximum extent possible, as the small scale sector by itself can not built up the economy of the State to the level of self-

generating growth. The State Government's financial resources are however, too meagre to permit large scale direct investment in industry. Its role is, therefore, largely limited to promoting investments in this field. Direct investments in this sector that are contemplated are mostly of the pioneering type.

7.3. The low level of technology followed by the Small Scale Sector is another weak link in the State's industrial economy and therefore, a network of Technical Centres such as Central Tool Room, Ludhiana, Handtool Design Institute, Jullundur, Research and Development Centre for Bicycles and Sewing Machine Development Centre at Ludhiana are being set up for the up gradation of technology. Accordingly, the plan programmes for the year 1984-85 are mainly a continuation and enlargement of the measures already being implemented for accelerating industrial growth in the State.

7.4. The main physical targets achieved during 1980-81, 1981-82, 1982-83 and likely to be achieved during 1983-84 along with proposed targets for 1984-85 are as under:—

Item	1979-80 Actual	1980-81 Actual	1981-82 Actual	1982-83 (Provisional)	1983-84 Likely achievement	1984-85 Target
<b>I. No. of Units</b>						
Large/Medium Sector	.. 203	228	253	270	328	373
Small Scale Sector	.. 54637	59832	65403	71734	79403	88637
Village Industries	.. 41127	45663	51046	56217	60717	62827
<b>Total</b>	.. 95967	105723	116702	128221	140448	151837
<b>II. Employment (No.)</b>						
Large/Medium Sector	.. 97533	109767	121946	132695	158096	175726
Small Scale Sector	.. 349618	370958	416310	454310	503298	554090
Village Industries	.. 68720	80074	91478	102782	114136	121520
<b>Total</b>	.. 515871	560799	629734	689787	775530	851336

Item	1979-80 Actual	1980-81 Actual	1981-82 Actual	1982-83 (Provi- sional)	1983-84 Likely achieve- ment	1984-85 Target
<b>III. Production (Rs. Cr.)</b>						
(a) Large/Medium Sector	562.15	618.80	673.89	758.73	902.00	1,112.00
(b) Small Scale Sector	593.23	583.85	673.80	744.35	951.21	1,155.21
(c) Village Industries	15.94	18.58	21.72	24.85	29.00	33.30
<b>Total</b>	<b>1171.32</b>	<b>1221.23</b>	<b>1369.41</b>	<b>1527.93</b>	<b>1882.21</b>	<b>2,100.51</b>
<b>IV. Investment (Rs Cr.)</b>						
(a) Large/Medium Sector	406.86	399.90	418.67	449.18	656.00	736.90
(b) Small Scale Sector	219.78	226.24	261.48	287.99	380.48	426.98
(c) Village Industries	6.38	7.50	8.05	8.64	9.70	13.60
<b>Total</b>	<b>633.02</b>	<b>633.64</b>	<b>688.20</b>	<b>745.81</b>	<b>1046.18</b>	<b>1,175.48</b>
<b>V. Export (Rs Cr.)</b>						
(a) Large/Medium Sector	33.04	41.73	54.70	60.06	63.14	70.84
(b) Small Scale Sector	48.05	46.20	61.46	68.27	80.35	99.69
(c) Village Industries	..	..	..	..	..	..
<b>Total</b>	<b>81.09</b>	<b>87.93</b>	<b>116.16</b>	<b>128.33</b>	<b>143.99</b>	<b>170.53</b>

Note.—Investment, Production and Export figures are at constant prices with 1973-74 as base year.

7.5. Annual Plan for the year 1984-85 is the continuation of the earlier Plan. Realistic assessment of requirement of funds has been made for the major schemes/projects on which work has already been initiated. Adequate priority has been accorded to the on-going projects in order to get benefits out of them at the earliest and to avoid the time over-

run and consequent cost overruns. An outlay of Rs 2325.13 lakhs has been proposed for the year 1984-85 programme-wise actual expenditure in 1980-81, 1981-82 and 1982-83 and anticipated expenditure in 1983-84 along with proposed outlay for 1984-85 are as under:—

Sector	(Rs in lakh)				
	1980-81 (Actual Expenditure)	1981-82 (Actual Expenditure)	1982-83 (Actual Expenditure)	1983-84 (Anticipated Expenditure)	1984-85 Proposed Outlays
1	2	3	4	5	6
1. Village and Small Industries	217.26	283.81	266.59	302.40	312
2. Medium and Large Sector	1002.64	1239.03	707.79	1394.10	991.11
3. Mines and Minerals	3.00	10.10	3.00	2.50	3.0
<b>Total</b>	<b>1222.90</b>	<b>1532.94</b>	<b>977.38</b>	<b>1699.00</b>	<b>1325.3</b>

## VILLAGE AND SMALL INDUSTRIES:

7.6. Under this minor head a large number of schemes are covered which help the small scale and village industrial units through financial assistance, upgradation of the technology and marketing, etc. The details of the schemes from this group is given in the following paragraphs :

7.7. **IN 1.1 Industrial Promotion Cell** : This cell named as Udyog Sahayak serves as first contact point for dissemination of information for setting up new projects. The information supplied, covers availability of plots, incentives available, procedural formalities, etc. The Cell is equipped with the modern communication facilities such as telex system, telephone, audio equipment to keep pace with the modern times. The Cell also attends to the Non-Resident Indians interested in setting up projects in the Punjab State. An outlay of Rs 3.60 lakhs is proposed for this Cell for the year 1984-85.

7.8. **Small Scale Industries.**—A number of schemes are under implementation for improving quality of the products, providing common facility services, enforcing standardisation and testing facilities. Implementation of these schemes for upgradation of technology will continue during 1984-85, scheme-wise position follows in the subsequent paragraphs :—

7.9. **IN 2.2. Seven new Industrial Development Centres**: During Fifth/Sixth Five-Year Plans, following IDCs have been set up :—

- (i) IDC (Gear Grinding), Batala.
- (ii) IDC (Paints and Varnish), Amritsar.
- (iii) IDC (Rubber Goods), Jullundur.
- (iv) IDC (Plastic Moulds), Ludhiana.
- (v) IDC (Roll Grinding), Mandi Gobindgarh.
- (vi) IDC (Engineering) Hoshiarpur.
- (vii) IDC (Engineering), Bhatinda.

Besides, the building of IDC (Engineering) at S.A.S. Nagar is still under construction and is likely to be completed during the year 1984-85. During 1982-83, these centres had provided common facilities to industrialists worth Rs 26.53 lakhs and in 1983-84, the target is set for Rs 30.00 lakhs. An outlay of Rs 10.00 lakhs is proposed for the year 1984-85 for this scheme for staff and for the building of IDC, Mohali.

7.10. **IN 2.3. Five new Quality Marking Centres** : During the Fifth/Sixth Plan, five additional quality marking centres were to be set up. Buildings for four of these have already been completed at Rajpura, Bhatinda, Malerkotla and Ludhiana. The building for the fifth QMC (Engg.) at Moga is yet to be constructed. An outlay of Rs 2.00 lakhs is proposed for the year 1984-85 under this scheme.

7.11. **IN 2.4 Tool Room, Ludhiana**: Central Tool Room at Ludhiana has been set up by the Development Commissioner, Small Scale Industries, Government of India in collaboration with the West German Government. The land and building for the Centre has been made available by the State Government. The Tool Room has started working and the building is almost complete. Another section for Heat Treatment Shop is, however, proposed to be added. The construction cost of the shop is estimated at Rs. 5.00 lakhs, which is allocated for this scheme for the year 1984-85.

7.12 **IN 2.5 Sewing Machine Development Centre**: This Centre is being set up with UNDP assistance at Ludhiana to provide facilities to SSI units manufacturing sewing machines or sewing machine parts. Both the Central Government and the State Government are involved in it. For managing the affairs of the project, a society has been registered and the Governing Council has also been constituted. Some staff has been appointed and machinery offered by UNDP/UNIDO as well as indigenous machinery is being installed. The building is nearing completion. For the next year, out of Rs. 20.00 lakhs being proposed Rs. 2.00 lakhs will be spent for the completion of the building and the remaining will be advanced to the society for meeting maintenance cost and purchase of machinery.

7.13. **IN 2.6 Hand Tool Design Institute, Jullundur**: This Centre is being set up at Jalandhar by Government of India for helping the Hand Tool Industry. The State Government is committed to provide land and building. The building is already under construction and it is likely to be completed during 1983-84. A token provision of Rs. 0.10 lakh has been proposed for meeting the spill over expenses of the building.

7.14. **IN 2.7 Punjab Test House, Ludhiana**: Punjab Test House is proposed to be equipped with

testing laboratories for mechanical engineering and electrical engineering goods, chemical engineering and textiles products. Two of the laboratories for Chemical Engineering and Textiles have already started functioning in a separate building as the building for Punjab Test House is yet under construction. It is proposed to complete the first phase of the building during the year 1984-85 and to implement the setting up of remaining two laboratories. For this purpose a provision of Rs. 10.00 lakhs is proposed for the year 1984-85. A sum of Rs. 7.00 lakhs out of this provision will be spent on the buildings.

**7.15 IN 2.9 Training of Technical Staff and visit to Industries in other States:** Under this scheme, Officers of the Department are sent for training at various Institutes like NITE in Bombay and CIET 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. 0.50 lakh has been proposed for the year 1984-85 for this scheme.

**7.16 IN 2.10 Modernisation of Small Scale Industries:** This scheme was started in the year 1975-76 and since then it had made good progress. Since the inception of the scheme, 450 small scale units have been covered under the programme and an amount of Rs. 17.50 lakhs has been disbursed as 15% subsidy to 112 industrial units which had purchased the recommended machinery as a result of diagnostic studies. During the year 1983-84, diagnostic studies of 60 SSI units has been got conducted and during 1984-85, 150 New Units are proposed to be covered for such diagnostic studies who will become eligible for incentives. Accordingly, a sum of Rs. 5.00 lakhs is proposed for this scheme for the year 1984-85.

**7.17 IN 2.11 Research and Development Centre for Bicycle, Ludhiana:** This Centre is being set up with the UNDP assistance for providing facilities to units engaged in the manufacture of bicycle and bicycle parts. The construction of building is under progress and most of UNDP machinery has arrived. Some indigenous machinery has to be purchased. The machinery that has arrived is under installation. A society has been formed for the running of this Centre. The major part of the building will be completed during 1983-84. An outlay of Rs. 30.00 lakhs is proposed for this

scheme for the year 1984-85, of which Rs. 5.00 lakhs will be spent for the completion of the building and remaining will be advanced to the society for meeting maintenance cost and for purchasing additional machinery worth Rs. 17.00 lakhs.

#### **7.18 IN 2.13 District Industries Centres:**

These Centres have been set up in all the 12 districts of the State and these will continue to function during 1984-85 also. Buildings for 8 Districts Industries Centres located at Batala, Ferozepur, Hoshiarpur, Jullundur, Ludhiana, Malerkotla, Bhatinda and S. A. S. Nagar have been completed and the buildings at Patiala, Moga and Kapurthala will be completed by the end of 1983-84. The building for the District Industries Centre at Amritsar is to be taken up in 1984-85. The provision of Rs. 20.00 lakhs has been proposed for meeting the spillover expenses of other buildings as well as for meeting the cost of Amritsar building. Under the RAP/RIP Programme, 613 artisans were helped during the year 1982-83. The target set for 1983-84 is 480 and for 1984-85 is 600. Similarly, under the Margin Money Scheme, 324 entrepreneurs were helped during 1982-83. Anticipated achievement during 1983-84 is about 200 and target for 1984-85 is 240. An outlay of Rs. 50.00 lakhs is proposed for this scheme as State share for the year 1984-85, an equal amount will be provided by Government of India. The break-up of the proposed outlay on State side is Rs. 22.00 lakhs, for the salary, Rs. 12.00 lakhs for Seed Margin Money, Rs. 6.00 lakhs for RAP/RIP and Rs. 10.00 lakhs for the buildings.

**7.19. IN 2.14 Extension of CFTRI:** 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. A token provision of Rs. 0.10 lakh is proposed for the year 1984-85 to meet the spill over requirements.

#### **7.20 IN 2.16 ISI Laboratory, S.A.S. Nagar:**

Regional Centre of ISI has been set up at S, A. S. Nagar for which the building has been provided by the State Government. Some additions in the building agreed to earlier are to be provided in view of the expanding activities of the Regional Centre. An outlay of Rs. 5.00 lakhs has been proposed for the year 1984-85 for this purpose.



**7.21 IN 2.17 Subsidy for the purchase of Generating Sets:** In order to counteract the shortage of power SSI units were encouraged to install their own generating sets, for this purpose a subsidy on sliding scale used to be paid. The scheme was subsequently discontinued w.e.f. 1.4.1981. But some old claims are yet to be cleared. An outlay of Rs. 10.00 lakhs is proposed for the year 1984-85 to extinguish the pending claims in a phased manner.

**7.22 IN 2.18 Publicity :** An outlay of Rs. 3.00 lakhs has been provided for the scheme for the year 1984-85. The amount is meant for meeting publicity expenses for the publicity programmes and policies of the Industries Department.

**7.23 IN 2.19 Marketing Assistance :** Under this scheme, export awards are given to exporters and participation is done in various industrial fairs both within the country and abroad. The proposed provision under the scheme is Rs. 7.50 lakhs for the year 1984-85 out of which a sum of Rs. 0.50 lakhs will be utilised for strengthening the functioning of the Trade Centre already set up at Ludhiana.

**7.24 IN 2.20 Implementation of Quality Control in Household Electrical Appliances :** Government of India's Electrical Appliances (Quality Control) Order, 1976 is being implemented in the State under this scheme. A sum of Rs. 4.00 lakhs is proposed for the year 1984-85 for meeting expenses of staff etc. and for purchasing certain additional machinery worth Rs. 2.00 lakhs.

**7.25 IN 2.21 Incentives for Quality Certification of Small Scale Industries Products:** The scheme is intended to provide financial compensation to the entrepreneurs for quality certification of the products of SSI units. The total cash incentives to be provided to a single unit is subject to a maximum ceiling of Rs. 2,000. Fifty per cent reimbursement is to be made by the Development Commissioner, SSI. Accordingly, a sum of Rs. 0.50 lakh has been proposed for this scheme in Annual Plan 1984-85.

**7.26 IN 2.22 Water Effluent Treatment Plant for the various IDCS in the State:** The Industrial Development Centres at Ludhiana, Jullundur, Amritsar Batala, Mandi Gobindgarh, Patiala,

Moga and Bhatinda are providing heat treatment facilities to the needy small scale industrial units in their respective areas. The Industrial Development Centre (Engg.) at Ludhiana and Amritsar also have electroplating section for providing common facilities for electro-plating. The heat treatment and electroplating processes result in water effluence which is required to be treated, under the law, before its discharge into the sewerage system. It is proposed that in the financial year 1984-85 the treatment plants will be installed in IDC (Engg.) Ludhiana, Jullundur, Amritsar and Patiala. For this purpose, the requisite amount of Rs. 10.00 lakhs has been proposed.

**7.27 IN 2.23 Chief Inspector of Boilers :** Provision of Rs. 1.00 lakh has been made for strengthening the staff provided to the Chief Inspector of Boilers for enforcing Boiler Act.

**7.28 IN 2.25 Punjab Small Industries and Export Corporation :** The Punjab Small Industries & Export Corporation is handling the activities connected with the procurement and supply of scarce raw-material, creation of infrastructural facilities, rendering marketing assistance, running Emporia Organisation, undertaking of exports and development of Handicraft. The Corporation has a paid-up capital of Rs. 441.66 lakhs against the authorised capital of Rs. 750.00 lakhs. This year no provision is proposed.

#### **Handloom Industries**

**7.29.** There are about 24,000 handlooms installed in the State. The programme of the development of handloom industries has been carried out during 1983-84. An outlay of Rs. 11.50 lakhs is proposed for giving training to artisans, advancing them interest free loans to enable the weavers for purchasing handloom machinery and equipment, for running Special Training-cum-Production Programme in the Sub-Mountane Areas for scheduled castes persons and for giving rebate on the sale of handloom cloth to approved agencies. In addition, an outlay of Rs. 1.00 lakh has been proposed for the strengthening of the SASMIRA Centre which has been set up at Amritsar.

**7.30. IN 3.2 Punjab State Handloom and Textile Development Corporation:** This Corporation is engaged in promoting and developing handloom industry in particular and textile industry in

general in the State. The Corporation had also proposed World Bank projects for setting up of spinning mills, handloom weaving complex, mini dyeing plants, process houses, besides taking up training programme for the weavers under Special Central Assistance Programme.

**7.31.** A sum of Rs. 135.00 lakhs was advanced to the Corporation as equity for these projects during the year 1982-83 and Rs. 75 lakhs is provided for the year 1983-84. The Corporation has taken effective steps for setting up various companies. For the year 1984-85 only a token provision of Rs. 1.00 lakh has been proposed.

**7.32 IN 3.3 Punjab State Hosiery and Knitwear Development Corporation :** This Corporation has completed Phase-I of the project, known as 'Knitwear Facility' for providing facilities of dyeing and finishing yarn/garments to the hosiery industry. Phase-II of the project has also been taken up with UNDP inputs. This phase will provide facilities for spinning. The UNDP are expected to supply equipment valued at U.S. Dollars 22.00 lakhs, ten overseas trained project personnel and 11 expert consultants at the project. Additional building and some additional equipment are to be provided at a total cost of Rs. 87.00 lakhs. by the State Govt. UNDP has also supplied equipments worth U.S. Dollar 15.00 lakhs and therefore, the Corporation has to complete the additional building and provide all the indigenous inputs. A sum of Rs. 25.00 lakhs has already been provided during the year 1983-84 and the balance of Rs. 62.00 lakhs has been proposed as outlay for the year 1984-85.

**7.33.** The project is of developmental in nature, its running and maintenance has also to be catered to. It is, therefore, proposed to provide Grant-in-aid to the Corporation for the purpose for the year 1984-85 and also for the previous years when the Corporation has spent the equity capital for the maintenance and running of the facility. A sum of Rs. 18 lakhs has been proposed for the year 1984-85, raising the total outlay of the scheme to Rs. 80.00 lakhs.

#### **Khadi and Village Industries**

**7.34. IN 4.2 Punjab State Leather Development Corporation :** The objective of the corporation is to bring about an integrated development of the leather industry in the State by affording

adequate opportunity to the leather artisans to update their skill with the help of infrastructure to be provided by the Corporation, thereby enabling them to play a pivotal role in making themselves self-dependent, simultaneously contributing their mite towards progressive development of the industry for which there is considerable potential. It is envisaged that the Corporation will be able to give a fillip to the innate skills of the artisans belonging to scheduled castes by channelising their expertise in a scientific way for their own betterment and for the development of the industry.

**7.35.** With effect from the 29th October, 1983, (a) Punjab Tanneries Limited, Jalandhar with an installed capacity of 10,000 Sq. ft. of finished leather per day and (b) Punjab Footwear Limited Jalandhar with installed capacity of 100 pairs of shoes per day being increased to 150 pairs per day) have been taken over by the Corporation. Both these units have been losing heavily for quite some time in the past, but the Corporation has taken necessary steps to streamline their working so as to enable them to work economically. As both the units have been running into losses and have accumulated considerable losses, it may take the Corporation 2 to 3 years time to reach break-even point.

**7.36.** The Corporation, with a view to streamline the working of the manufacturing units, has taken over their marketing activities, thus to enable them to concentrate on cost and quality control. The Corporation has built up a sound marketing infrastructure so that it could carry out the marketing activities in a professional manner. The Corporation is already having nine retail outlets through which the products of Punjab Footwear Limited as well as of the other small manufacturing units are sold. The Corporation has prepared a programme for setting up two additional tanneries, projects for shoe uppers, polythene shoe lasts, polyurethane soles, rubber soles, stiffeners for toe and heel and manufacture of adhesive for footwears and leather goods. The details of the new projects to be undertaken are given in Annexure I. An outlay of Rs. 50.00 lakhs is proposed to finance these projects during the year 1984-85.

#### **Handicrafts Industries :**

**7.37. IN 5.1 Development of Handicrafts :** The programme includes running of training centres

in leather embroidery, toy making, artistic, wooden furniture, doll making and carpet weaving. The centres will provide training on crafts and will help the artisans to set up their own units. The total allocation for the purpose is proposed at Rs. 5.00 lakhs for the year 1984-85.

#### **Sericulture :**

**7.38.** The sericulture programme includes the maintenance of two sericulture farms, grant of subsidy to silk-worm rearers for construction of huts and purchase of appliances at the rate of Rs. 2,000 per rearer, provide training in rearing to 200 persons in a year in the existing sericulture farms, and mulberry plantation are being laid in the existing centre. An outlay of Rs. 3.30 lakhs is proposed for this programme for 1984-85.

### **MEDIUM AND LARGE INDUSTRIES**

#### **State Finance Corporation**

**7.39. IN 8.1 Punjab Financial Corporation :** This Corporation provide medium and large term loans for setting up new industries and for expansion and modernisation of existing industrial units. As on 31st March, 1983 it has authorised capital of Rs. 1,000.00 lakhs and paid-up capital of Rs. 596.61 lakhs including the special capital of Rs. 30.00 lakhs under section 4(a) of the State Financial Corporation Act, 1951.

**7.40.** The disbursement activities of the corporation are increasing rapidly as is clear from the following results relating to the past five years :

Year	Amount disbursed (Rs. in lakhs)	Percentage growth rate over the pre- vious year
1978-79	.. 553.50	..
1979-80	.. 687.19	24.15
1980-81	.. 844.70	22.92
1981-82	.. 940.81	11.38
1982-83	.. 1467.17	55.95

**7.41** Refinance by the IDBI is a major source of funds for financing the loaning operations of the

Corporation. During the year 1982-83, 425 applications for Rs. 2065.08 lakhs were submitted for sanction of refinance to the IDBI. The total refinance sanctioned was Rs. 1519.22 lakhs. The Corporation availed of Rs. 1029.59 lakhs during the year as against Rs. 531.98 lakhs in 198 cases during the proceeding year showing an increase of 93.54 percent. The commulative refinance secured from IDBI stood at Rs. 5071.36 lakhs against the outstanding balance of Rs. 2657.82 lakhs.

**7.42** During the current year the corporation has fixed disbursement target of Rs. 2050.00 lakhs which is 39.72% higher than the disbursement made during the year 1982-83. For the year 1984-85 the corporation has tentatively fixed disbursement target at Rs. 2240.00 lakhs. An outlay of Rs. 10.00 lakhs is proposed for strengthening the share capital of the corporation during the year 1984-85.

#### **State Industrial Development Corporation :**

**7.43 IN 9.1 Punjab State Industrial Development Corporation :** This Corporation is functioning as an institutional entrepreneur for the promotion of medium and large scale industries in the State and a financial institution extending assistance by way of equity and term loan (under the IDBI refinance scheme). In both these operations PSIDC has been very successful. During the years 1980-81 to 1982-83 (June, July basis) the Corporation obtained 42 letters of intent/registrations for setting up of new projects in the State. The letter of intent/registration obtained during this period include those for the prestigious projects like telephone cables, GLS lamps, and fluorescent tubes, light commercial vehicles, T.V. glass shells, colour picture tubes, hydro turbine generator, etc. During this period PSIDC has commissioned 14 projects involving a capital outlay of Rs. 47.48 crores and generating direct employment for about 5,200 persons.

**7.44.** During the current year three projects for the manufacture of shoes, H.T. insulators and T.V. Tubes/CR tubes involving a capital outlay of Rs. 12.79 crore and with an employment potential for about 1,000 persons, are under trial production at the moment. Apart from this, out of four projects under construction, three projects including two prestigious projects for the manufacture of Soda Ash/Ammonium Chloride and Caustic Soda

are expected to start commercial production by the end of the year 1983-84. These four projects involve a capital outlay of Rs. 93.52 crore and are expected to generate employment for 2300 persons. The projects where construction is expected to be started during the current year include projects for the manufacture of Telephone Cables (Rs. 21 crore), Furfural (Rs. 39.06 crore), Polyester Fibre (Rs. 60 crores) and Light Commercial Vehicles (Rs. 60 crores).

7.45. The projects expected to be taken up for implementation in the next year include projects such as, those for the manufacture of eucalyptus based paper at Hoshiarpur and Sangrur (each Rs. 75 crore), Nylon-6 Filament yarn (Rs. 68 crore), T.V. Glass Shells (Rs. 40 crore), Bearing (Rs. 20 crore), Open End Spinning Machinery (Rs. 15 crore) Vitamin 'C' (Rs. 10 crore), Wheel Rims (Rs. 6.5 crore) Hydro Turbine and Generators (Rs. 5 crore) Typewriters (Rs. 4.5 crore), etc. Details of the projects are added in Annexure II.

7.46. During the past three years the Corporation has made investment amounting to Rs. 17.32 crore by way of equity capital in its promoted and assisted units. Apart from this the Corporation has distributed loans (term, bridging and temporary) amounting to Rs. 19.29 crore to various industrial units in the State out of which the loans distributed under the IDBI refinance scheme amounted to Rs. 7.71 crore. During the period under reference the Corporation sanctioned assistance under the IDBI scheme to the extent of Rs. 13.38 crore. Under the seed capital scheme of IDBI the Corporation has extended assistance amounting to Rs. 14.77 lakhs. During the current year the Corporation anticipates to make investment of more than Rs. 10 crore in its promoted and assisted units. The total loans expected to be sanctioned under the IDBI refinance scheme is anticipated at Rs. 750.00 lakhs. Refinance envisaged to be availed from IDBI will be Rs. 500.00 lakhs. Apart from this the Corporation expects to disburse seed capital assistance worth Rs. 10.00 lakhs.

7.47. Keeping in view the progress already made and expected to be made in various projects under implementation, it is envisaged that during the year 1983-84, the Corporation will invest Rs. 1228.00 lakhs in various projects, out of which a sum of about Rs. 900.00 lakhs is expected to be

invested in committed projects which are at an advance stage of implementation. An other Rs. 328.00 lakhs are expected to be disbursed by way of investment towards equity capital in other projects which would be under implementation during the year 1983-84. It is expected that in the next year there would be further growth in the quantum of assistance being extended by the Corporation by way of term loans under the IDBI refinance scheme. Taking into consideration the requirements of funds, expected accruals and internal resources of the Corporation an outlay of Rs. 500.00 lakhs is proposed for the year 1984-85.

#### Other Corporations :

##### 7.48. IN 10.1 Punjab State Electronic Development and Production Corporation :

During the last three years the Corporation has set up three 100% Export Oriented Projects, namely, Magnetic Information Technology for the manufacture of Magnetic Heads for Computers, INCOMNET India Limited for the manufacture of board level Super Micro-Computers and Manufacturing Technologies India Limited for the manufacture of Multilayer Printed, Circuit Boards. One of these companies, i.e. Magnetic Information Technology India Limited has already started manufacturing Magnetic Heads and have recently exported their first consignment. The work with regard to other two companies is in an advance stage and the projects are expected to go in production by April, 1984.

7.49. In addition to these Projects the Corporation is setting up a project for the manufacture of Magnetic Tapes for Video, Audio and Computers at a capital cost of Rs. 22.00 crore. The project is being set up with Intermagnetics International Inc., a company mainly owned by Non-Resident Indians. In addition to these projects the Corporation has also signed Memorandum of Understanding/Agreements for two more 100% Export Oriented Projects for the manufacture of Magnetic Cores and Assembly of Printed Circuit Boards and Switching Power Supplies.

7.50. During the last two years, the Corporation has promoted two Public Sector Undertakings namely, Punjab Communications Ltd. and Punjab Power Packs Limited, Punjab Communications has since gone in production and the Company has made a gross profit of Rs. 22.00 lakhs, Punjab Power Packs Limited which was incorporated in

September, 1981 is ready for commercial production. The activities of the earlier companies floated by the Corporation have been combined into ELTOP group of companies and the combined operation is running profitably. For the year 1984-85 the Corporation has proposed an outlay of Rs. 268.95 lakhs, Rs. 101.47 lakhs for ongoing projects and Rs. 167.48 lakhs for new projects. The details of the projects undertaken and to be undertaken is given in Annexure-III to the chapter. However, keeping in view the resources at the command of the State Government, an outlay of Rs. 100.00 lakhs is proposed for the Corporation for 1984-85 to complete the on going projects.

**7.51. IN 10.2 Punjab goindwal Industrial and investment Corporation:** This Corporation is setting-up industrial complex at Goindwal. During the year 1981-82 the Government of Punjab had acquired 475.75 acres of land and handed over its possession to the Corporation. The Corporation started the development of the aforementioned land and a sum of Rs. 205.00 lakhs, approximately was spent on it upto the end of March, 1983. During the year 1983-84, it is estimated that the Corporation will spend an amount of Rs. 225.00 lakhs on the development of land and the other works. Besides this, a sum of Rs. 114.00 lakhs will be required in 1984-85 for the development of various infrastructural facilities including construction of houses for its staff and for BHEL, etc. This expenditure will be met by the Corporation with the revenue generated through sale of plots and by raising loans from HUDCO and financial institutions. In addition, the Corporation will also utilise a sum of Rs. 75.00 lakhs provided during the year 1983-84, for the development of the aforementioned works.

**7.52.** Pockets of land measuring approximately 27 acres and belonging to religious institutions which falls within the area already acquired could not be acquired pending negotiations with the land owners. This land is proposed to be acquired in the next financial year which will enable the corporation to develop and allot the plots on this land. The cost of acquisition of land has been estimated at Rs. 15.00 lakhs. An outlay of Rs. 15.00 lakhs is also proposed towards the share capital contribution of the Corporation during the year 1984-85

## Industrial Areas

**7.53. IN 11.1 Focal growth points/incentives to new industries :** This scheme aims at integrated development of Large, Medium and Small Scale Industrial Units by providing infrastructural facilities. Land has been acquired by the Department of Industries and the same has been developed into plots of various sizes by the PSIEC. These plots are allotted to intending entrepreneur at subsidised rates. By 1981-82, 4074 acres of land was acquired at 15 places in the State and out of this an area of 3731.34 acres has been developed, carving out 2548 plots. Out of these, 2290 plots have already been allotted, 685 factories have gone into production in sites allotted at various places, whereas 216 factories are under construction. Focal Growth Point wise details are given in the Annexure-IV.

**7.54.** The funds provided, for the acquisition of land during the year 1983-84 has been incurred on paying the decretal amount of the enhanced compensation awards. No provision is now being made for new acquisition of land. The PSIEC has drawn out a self-financing scheme for acquisition and development of land and this work will be undertaken by the Corporation out of its own resources. However, there are still very heavy claims of enhanced compensation still due to be cleared. The estimate is around Rs. 350.00 lakhs for the year 1984-85. However, an outlay of Rs. 250.00 lakhs has been proposed for acquisition of land under this scheme.

**7.55.** This scheme also includes provision for various incentives announced by the State Government such as Interest Free Loan, Subsidy on Electricity Tarrif, Land Subsidy, Refund of Octroi/Termial Tax. All the incentives are committed and heavy back-log is continuing. It is proposed to provide funds for these incentives as per actual requirements and therefore, a sum of Rs. 600.00 lakhs is proposed for Interest Free Loans Rs. 150.00 lakhs for land subsidy, Rs. 20.00 lakhs for reimbursement of Octroi/Terminal Tax and Rs. 42.00 lakhs for Subsidy on Electricity Tarrif. The total outlay for the entire scheme is proposed at Rs. 1066.00 lakhs for 1984-85.

**7.56. IN 11.2 : Outright Subsidy :** Central scheme for 15% subsidy on fixed capital backward investment is applicable in three

districts of Hoshiarpur, Sangrur and Bhatinda and 10% subsidy in the districts of Ferozepur and Gurdaspur. In the State plan, such subsidy on the Central pattern is provided in the border, bet submontane areas and in any other areas which may be declared backward by the State Government. This is a committed incentive under the State Government's Industrial Policy. In the earlier years, the Plan provision under the scheme was being very limited, heavy claims accumulated and accordingly during the year 1983-84, a sum of Rs. 215.00 lakhs was provided. Even this outlay has proved insufficient to meet the claims and it is expected that claims for about Rs. 116.00 lakhs will still be left un-paid by the end of 1983-84. Accordingly, an outlay of Rs. 300.00 lakhs has been proposed for the year 1984-85 for meeting the

backlog as well as the current claims of the next year. This scheme used to be under Village and Small Scale Industries, but it has now been included in the Large and Medium Sector as Medium and Large Units are also eligible for this incentive.

#### **Mines and Minerals**

**7.57. IN 13.1 : Development of Mines/Minerals :**  
An outlay of Rs. 3.00 lakhs has been proposed for this scheme for the year 1984-85 for continuation of the mines and minerals programme. The pilot plant studies and mineral research is continuing, the physical targets of geological survey are 50 square kilometres, drilling of holes five in numbers and collection of 50 samples will be completed during the year 1984-85. The amount required is meant for meeting salaries and equipment.

ANNEXURE  
DRAFT ANNUAL  
Projects to be undertaken by

Sr. No.	Name of Company/ Project	Annual capacity	Status of the Project	Date of Start	Expected date of completion
1	2	3	4	5	6
1	Wet Blue Tannery in Amritsar	15,00,000 Sq. ft.	Public Sector	3 months after allo- cation of funds	Within 12 months after commencement of implementation
2	Wet Blue Tanner in Sangrur	Ditto	Ditto	Ditto	Ditto
3	Shoe Upper Project at Jalandhar	2,00,000 pairs	Ditto	Ditto	Ditto
4	Polyurethane Sole Project ..	1,44,000 pairs	Joint Sector	3 months after allo- cation of funds	Within 6 months after commencement of implementation
5	Polythylene Shoe last Project ..	60,000 pairs	Ditto	Ditto	Ditto
6	Rubber Sole Project ..	2,25,000 sheets	Ditto	Ditto	Ditto
7	Stiffner for Toe & Heel ..	10,00,000 Nos.	Ditto	Ditto	Ditto
8	Adhesives for foot wear and other leather goods industry	60,000 litres	Ditto	Ditto	Ditto
9	Leather Boards from leather shaving and card boards	1,00,000 sheets	Public Sector	Ditto	Ditto
10	Scheme for systematic develop- ment of marketing infrastruc- ture of footwear and leather products through own empo- rium	15 Nos.	Ditto	2 months after allo- cation of funds	Within 2 months after commencement of implementation

I

## PLAN 1984-85

## Punjab State Leather Development Corporation

(Rs. in lakhs)

Latest Cost Estimates			Extent of participation	Equity to be provided by Govt.	1983-84	1984-85	Employment details	
Total Cost	Equity	Debt					During Construction	During Operation
7	8	9	10	11	12	13	14	15
35.00	14.00	21.00	100%	14 lakhs	—	14.00	—	60—75 persons
35.00	14.00	21.00	100%	14 lakhs	—	14.00	—	60 persons
35.00	14.00	21.00	100%	14 lakhs	—	14.00	—	110 persons
36.00	15.00	21.00	51%	8 lakhs	2.00	6.00	25 persons excluding labour	225 persons
34.00	14.00	20.00	51%	7 lakhs	2.00	5.00	10 persons excluding labour	50 persons
29.00	12.00	17.00	51%	6 lakhs	—	6.00	—	50 persons
30.00	12.00	18.00	51%	6 lakhs	—	6.00	—	60 persons
25.00	10.00	15.00	51%	5 lakhs	—	5.00	—	75 persons
25.00	10.00	15.00	100%	10 lakhs	—	10.00	—	100 persons
28.00	28.00	—	100%	28 lakhs	—	28.00	—	75 persons



ANNEXURE  
DRAFT ANNUAL  
Projects Undertaken/to be

Sr. No.	Name of the Company/Project	Annual Capacity	Status of the Project	Date of start	Expected date of completion	Latest cost estimates		
						Total	Equity	Debt
1	2	3	4	5	6	7	8	9
<b>(A) Committed Expenditure for the Projects which are at an advanced stage of implementation :</b>								
1	Over-run financing in some projects in production (under trial production)—							
	(i) Bagrian Shoes Limited							
	(ii) Punjab Ceramics Ltd.							
	(iii) Pb. Maize Products Ltd.							
2	Punjab Moha Polytex Limited	25,000 spindles	R : Obtained FC : N.A. FIC : Finalised CG : N.A.	June, 1983	Sep., 1984	1119.00	419.00	700.00
3	Electronics Systems Pb. Ltd. (Data Acquisition Systems Project)	Turn over Rs. 8 crore	LI : Obtained FC : Signed FIC : N.A. CG : Not yet	Nov., 1983	Sep., 1984	461.00	141.20	319.80
4	Colour Picture Tube Project	4 lakhs Nos.	LI : Obtained FC : Not yet FIC : Finalised CG : Not yet	1984	1985	3500.00	1500.00	2000.00
5	Pb. Polyfibres Limited	15,000 TPA	LI : Obtained FC : Signed FIC : Selected CG : Submitted	Jan., 1984	1987	6000.00	1700.00	4300.00
6	Pb. Agro Furane Limited	Furfural 6000 TPA Edible Oil : 3000 TPA	LI : (MOU) Signed FC : Signed FIC : Signed CG : Not yet	Dec., 1983	Dec., 1985	3965.00	1215.00	2750.00
7	Telephone Cables Pb. Limited	1 million CKM.	LI : Obtained FC : Finalised FIC : Do CG : Not yet	1983 (End)	Dec., 1985	2100.00	700.00	1400.00
8	Light Commercial Vehicles Project	10,000 Nos.	LI : Obtained FC : N.A. FIC : Finalised CG : Not yet	End 1983	1985	6000.00	2000.00	4000.00
9	Insulac Pb. Limited	Copper Foil : 600 TPA Copper Clad : 1100 Unclad Laminates 1300 TPA	LI : Obtained FC : Signed FIC : Finalised CG : Not yet	1983	1985	600.00	200.00	400.00
10	XLO Barrale Pb. Limited	1500 TPA (Brake lining Clutch facing)	LI : Obtained FC : Cleared FIC : Finalised CG : Not yet	1984	1985	350.00	100.00	250.00

II

PLAN : 1984-85

undertaken by PSIDC

(Rs. in lakhs)

(If in Joint Sector)	Year-wise equity capital contribution by PSIDC								Employment potential		
	Name of collaborator	Extent of participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84		1984-85 (Projected)	During Construction	During Operation
							1-4-83 to 30-9-83 (Actual)	1-10-83 to 1-3-84 (anticipated)			
10	11	12	13	14	15	16	17	18	19	20	
							(150.00)				
							20.00				
							65.00				
							65.00				
M/s : Mohta Ind. Ltd.	27.7%	112.00	—	1.00	26.00	28.00	57.00	—	200	1200	
Pub. Sector	100%	105.00	—	—	—	12.00	40.00	53.00	100	400	
AGRA International asstd. sector	11%	165.00	—	—	—	110.00	55.00	—	100	600	
GCT, Phagwara	11%	195.00	—	—	10.00	—	25.00	160.00	100	500	
Ballestra, SA - Switzerland	26%	312.00	—	—	—	5.05	200.00	106.95	100	600	
Indl. Cables (I) Ltd.	51%	357.00	—	—	—	10.00	55.00	255.00	80	400	
Pb. Tractors Ltd.	15%	300.00	—	—	—	—	50.00	100.00	200	2000	
Tech. investment (I) Ltd.	26%	47.00	—	—	—	—	10.00	37.00	100	1000	
XLO India Ltd.	26%	26.00	—	—	—	—	4.00	22.00	20	250	

**ANNEXURE**  
**DRAFT ANNUAL**  
**Projects Undertaken/to be**

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)
11	Guru Nanak Transmissions Ltd.	Axle Shafts 5 lakhs Nos.	LI : Obtained FC : N.A. FIC : Finalised CG : Not yet	End 1983	1984	200.00	75.00	125.00
12	Maharaja Engg. & Investment (P) Limited	LPG : Valves 3.50 lakhs LPG : Regulators 3.5 lakhs HPG : Valves 2.5 lakhs  HPG : Regulators 0.5 lakhs	LI : Obtained FIC : Signed FC : Under consideration CG : Not yet	End 1983	1984-85	155.00	57.00	98.00
13	Japson Pharmaceuticals Limited	Ethambutol HCL : 30 TPA	LI : Obtained FIC : Signed FC : N.A. CG : N.A.	1984	1985	120.00	25.00	85.00
14	Mehra Bio-chemical Pb. Ltd.	Esters & Ethers : 1,000 TPA	LI : Obtained FIC : Finalised FC : N.A. CG : N.A.	Feb., 1984	March, 1985	195.00	60.00	135.00
15	Punjab Glueonates Ltd.	Cal. Gluconates : 200TPA	R : Obtained FIC : Signed FC : NA CG : NA	1984	1985	90.00	30.00	60.00
16	Max India Ltd. ..	6 APA : 80TPA	LI : Obtained FIC : Signed FC : NA CG : Not yet.	1983	1985	478.00	150.00	328.00
17	GLS Lamps & Flourescent Tubes	55 millions & 10 millions resp.	LI : Obtained FIC : Selected FC : Approved CG : Submitted	1984	March, 1985	3600.00	1200.00	2400.00
<b>(B) Other Projects under implementation</b>								
18	Nylon-6 Filament ..	6000 TPA	LI : Obtained FIC : Selected FC : Not yet CG : Not yet	Middle 1984	1987	6800.00	1650.00	5150.00
18	Industrial Sewing Machines	15000 units	LI : Obtained FIC : Finalised FC : Do CG : Not yet	1983	1984-85	150.00	55.00	95.00
20	Typewriters ..	35000 units	LI : Obtained FIC : Finalised FC : Applied CG : Not yet	1983	1985	450.00	150.00	300.00
21	OTS Cans ..	6000 tonnes	LI : Obtained FIC : Finalised FC : Not yet CG : Do	1983	1985	325.00	118.00	207.00
22	Tungsten filaments ..	..	LI : Obtained FIC : Finalised FC : Not yet CG : Not yet	1985	1986	350.00	100.00	250.00

HI

PLAN : 1984-85

undertaken by PSIDC

(Rs. in lakhs)

(If in Joint Sector)		Year-wise equity capital contribution by PSIDC						Employment potentials		
Name of collaborator	Extent of participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1980-81 (Actual)	1981-82 (Actuals)	1982-83 (Actuals)	1983-84		1984-85 (Protected)	During Construction	During Operation
						1-4-83 to 30-9-83 (Actual)	1-10-83 to 31-3-84 (Anticipated)			
(10)	(11)	(12)	(13)	(14)	15	(16)	(17)	(18)	(19)	(20)
GNA Enterprises limited	50%	30.00	—	—	—	—	5.00	25.00	50	350
T.S. Tur [Maharaja Super Stores (U.K.)]	50%	21.00	—	—	—	—	10.00	11.00	50	150
I.C. Dhaliwal	50%	12.00	—	—	—	—	8.00	4.00	100	200
Mehra Fero-Alloys, ASR.	50%	22.50	—	—	—	—	10.00	12.50	20	100
R.P. Shukla	10%	2.50	—	—	—	—	2.50	—	50	100
Ranbaxy Lab., Ltd.	10%	17.50	—	—	—	—	17.50	—	100	200
Pb. Anand Batteries, Ltd.	10%	118.50	—	—	—	—	5.00	113.50	50	800
Not yet decided	10%	165.00	—	—	—	—	1.00	25.00	100	350
Indl. M/CS. Delhi (P) Ltd., N. Delhi	10%	4.00	—	—	—	—	2.00	2.00	50	150
Modi Rubbers, Ltd.	10%	13.50	—	—	—	—	3.00	10.50	150	500
S.S. Grewal, Chandigarh	26%	29.00	—	—	—	—	2.00	17.00	75	150
G.L. Anand A. Batteries	26%	26.00	—	—	—	—	1.00	10.00	25	150

**ANNEXURE—**  
**DRAFT ANNUAL**  
**Projects undertaken/.**

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)
23	Hydraulic brakes	1 lakhs sets	LI : Obtained FIC : Not yet FC : Do CG : Do	1985	1986	350.00	100.00	250.00
24	Hydel Turbines & Generators	20 sets (upto 10 MW Cap.)	LI : Obtained FIC : Negotiated	Dec., 1983	July, 1985	500.00	270.00	330.00
25	2-Wheelers Lead Acid Batteries MS: Indo-Asian Batteries (Pb., Ltd.)	4.5 lakhs	LI : Obtained FIC : Negotiated	Nov., 1983	July, 1984	360.00	120.00	240.00
26	ISOPROTUPON (Tech.) Project	500 TPA	R : Obtained FIC : Not yet	Jan., 1984	July, 1985	300.00	110.00	190.00
27	Paper Project at Hoshiarpur	33000 TPA	LI : Obtained FIC : Finalised	Jan., 1984	July, 1986	7500.00	1875.00	5625.00
28	Paper Project at Sangrur	Do	LI : Obtained FIC : Not yet	Jan., 1984	„	7500.00	1875.00	5625.00
29	Vitamin "C"	500 TPA	LI : Obtained FIC : Finalised FC : CG :	1984	1986	1000.00	330.00	660.00

**30 Projects under investigation**

TV glass shells, diesel engines, Textile & Hosiery machinery, open ended spinning machinery, bearing, wheel rims, bimetal strips, spark plugs, automobile gears, black & white TV Picture tubes, calluler, concret, stable bleaching powder, sodium hexameta phosphate/tri-sodium phosphate sodium nitrite/sodium nitrate, ophthalmic glass blanks, hydrazine hydrate, figured glass, chloro-benzene, sulphamethoxazole & trimethoprim, salicylic acid & aspirin, hard gelatine capsules, Formulation unit, diamond wheels & tools, glass bottles, industrial chains, knitting needles, Collapsible tubes, crank Shafts/cam shafts, ni-cd batteries, relays & Connections, hospital equipment, portable generators & motors, computers & peripherals, hexamine, vaccum refills & flanks, linear alkyl benzene, phthalic anhydride etc.

31 Investment in private sector companies.

32 Requirement of funds under IDBI's refinance Scheme.

**Grand Total**

Funds expected to be available from internal resources

Net requirement of funds for 1984-85

**ABBREVIATIONS :**

1. L.I. Letter of Intent.
2. R. Registration.
3. F.C. Foreign Collaboration.
4. FIC Financial Collaboration.
5. C.G. Capital Goods.
6. MOU Memorandum of Understanding.
7. N.A. Not applicable.

## II

PLAN, 1984-85

to be undertaken by PSIDC

(Rs in lakhs)

(If in joint Sector)		Yearwise equity capital contribution by PSIDC							Employment Potentials	
Name of collaborator	Extent of participation by PSIDC	Equity capital to be provided by PSIDC	Upto 1880-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Anticipated)	1984-85 (Projected)	During Construction	During Operation	
(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
To be finalised	26%	26.00	—	—	—	—	1.00	4.00	20	200
Crompton Greaves	26%	44.00	—	—	—	—	4.00	40.00	200	300
Indo-Asian Switchgear (P.) Ltd.	26%	31.00	—	—	—	—	10.00	21.00	100	150
To be finalised	10%	9.50	—	—	—	—	1.00	8.50	20	140
Assts. Joint	10%	187.50	—	—	—	—	2.00	30.00	100	520
Do	26%	447.50	—	—	—	—	1.00	50.00	100	520
Do	10%	33.00	—	—	—	—	5.00	10.00	100	300
							25.00	100.00		—
							50.00	100.00		—
							100.00	150.00		—
							912.00	1477.95		—
							—	100.00		—
							1377.95			—

## Projects undertaken/to be undertaken by Punjab State electronic Development/

Serial No.	Name of the Company/Project	Annual Capacity	Status of the Project	Date of start	Expected date of completion
(1)	(2)	(3)	(4)	(5)	(6)
<b>I. On-Going Projects</b>					
1	Punjab Power Packs Ltd. (Nickel Cadmium Batteries for Air craft and Defence)	10,00,000 Nos.	Fabrication and installation of Plant & Machinery almost completed	28-9-81	Nov., 1983
2	INCOMNET India Ltd., (Board level super Micro computers)	7200 Nos.	Construction of building is in progress	8-9-82	April, 1984
3	Manufacturing Tehnologies India, Ltd. (Multilayer Printed Circuit Boards)	3,60,000 Nos.	Construction of building is in progress—Loans sanctioned by financial institutions	25-2-83	April, 1984
4	Inter Magnetics India Ltd. (Magnetic tapes for Video, Audio & Computers)	10000 mrm	Land acquired Loan Application filed R.B.I. permission for deposits recd. Detailed Project Report formulated Orders for fabrication of imported machinery have been placed	29-4-83	Oct., 1984
<b>II. New Projects</b>					
1	MITGARD INDIA LIMITED (Magnetic cores for computers)	60,00,000 Nos.	MOU signed. LI applied for	—	April, 1984
2	Power Technologies India Ltd., (Assembly of Printed Circuit and switching power supplies) Boards	1,50,000 Nos.	MOU Signed. LI applied for	—	Jan., 1984
3	Colour & B/W Televisions	1,00,000 Nos.	LI obtained	—	—
4	Group Translator	Sub-system with existing 'production line	Import Licence for drawing applied for	Aug., 1953	May, 1984
5	30—Channel Primary Pulse/Code Modulation Equipment	5,000 channels	Industrial Licence obtained	July, 1983	June, 1984
6	Multi-channels Radio	100 systems	Letter of intent obtained Foreign Collaboration signed	Oct., 1982	Dec., 1984
7	Selective Level Meter	200 per annum	DG TD Regn. applied for Tech. know-how finalised	June, 1983	June, 1984
8	Nickel Cadmium Pocket Plate cells	3,00,000 AH	Industrial Licence obtained	Jan., 1984	Dec., 1985
9	Sealed Cylindrical Nickel Cadmium Cells	3,00,000 AH	Industrial Licence obtained	Jan., 1984	July, 1985
10	Silver Zinc Aircraft Batteries'	500 Batteries	..	June, 1984	June, 1985
<b>Grand Total</b>					

## III

PLAN, 1984-85

and Production Corporation

(Rs. in lakhs)

Latest cost estimated			Joint Sector		Equity capital contribution by PSEDPC				Employment Details		
Total cost	Equity	Debt	Name of private sector/participant	Extent of participation	Equity capital to be provided by PSEDPC	Upto 1981-82 Actual	1982-83 Actual	1983-84 Anticipated	1984-85 Projected	During const.	During operation
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
155.04	68.00	76.04 11.00 (Internal Accruals)	Hyderabad Batteries Limited, Hyderabad	68.00	68.00	—	53.50	7.00	7.50	—	110
141.00	51.00	90.00	Intelligent Communication Net Works Inc. USA	16.83	16.83	—	—	10.83	6.00	—	198
188.00	78.00	110.00	Manufacturing Technologies Inc. USA	20.28	20.28	—	—	9.85	10.43	—	200
2180.00	715.00	1450.00 15.0 (Central subsidy)	Intermagnetics International USA	85.80	85.80	—	—	8.26	77.54	—	220
302.00	120.00	182.00	MIT, USA & Shurgart, USA	24.00	24.00	—	—	—	24.00	—	200
111.00	45.90	65.10	MTI, USA & Condor Inc. USA	6.88	6.88	—	—	—	6.88	—	200
380.00	160.00	220.00	..	41.60	41.60	—	—	—	41.60	—	200
8.00	8.00	—	..	—	(from international accruals)	—	—	—	—	—	15
65.00	26.00	39.00	..	—	26.00	—	—	—	26.00	15	125
123.00	49.00	74.00	..	—	49.00	—	—	—	30.00	20	175
22.00	9.00	13.00	..	—	9.00	—	—	—	9.00	10	50
45.00	20.00	25.00	In-House Technology/ appropriate collaborators	20.00	20.00	—	—	—	10.00	8	30
51.00	21.00	30.00	Do	21.00	21.00	—	—	—	20.00	10	32
67.00	30.00	37.00	Do	30.00	30.00	—	—	—	—	11	37
									268.95		



## ANNEXURE IV

## ANNUAL PLAN, 1984-85

## Industrial Focal Points in Punjab

Serial No.	Name of the Focal Point	Area acquired	Area developed	Plot developed upto 1982-83	Plot allotted	Factories in production	Factories under construction
1	S. A, S. Nagar	.. 1298	1198	535	533	244	93
2	Dhandari Kalan	.. 1383	1383	534	529	327	77
3	Rajpura	.. 178	178	128	113	38	5
4	Hoshiarpur	.. 102	82.44	78	78	8	5
5	Khanna	.. 110	114.09	115	112	14	11
6	Moga	.. 108	108.29	201	197	18	5
7	Kotkapura	.. 54	53.55	113	64	6	1
8	Bhatinda	.. 91	91.60	148	143	—	1
9	Nawanshahr	.. 51	50.60	109	89	4	3
10	Sangrur	.. 60	58.65	128	124	9	4
11	Jullundur	.. 331	105.61	140	136	16	10
12	Patiala	.. 104	103.85	121	99	1	1
13	Tarn Taran }	.. 52	51.35	94	73	—	—
14	Nabha	.. 52	52.51	104	—	—	—
15	Amritsar	.. 100	100.00	—	—	—	—
Total		.. 4074	3731.34	2548	2290	685	216

## CHAPTER VIII

## Transport and Tourism

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 training purposes. Following the established practice, development of tourism has been included in this sector. An outlay of Rs. 26.28 crores has been proposed for transport sector for 1984-85 as against the approved outlay of Rs. 25.19 crores during the current year. The break-up of the approved outlay for 1983-84 and proposed outlay for 1984-85 is given in the table below:—

Transport Sector Outlay (Rs. in crore)

Sr. No.	Sub Sector	Approved Outlay 1983-84	Proposed Outlay 1984-85
1.	Roads and Bridges ..	15.80	12.80
2.	Road Transport ..	9.00	13.00
3.	Civil Aviation ..	0.14	0.18
4.	Tourism ..	0.25	0.30
	<b>Total ..</b>	<b>25.19</b>	<b>26.28</b>

Plan programme in respect of each of these items are discussed below :—

**Roads and Bridges**

8.2. 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.

8.3. 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 roads system in the State. In a predominantly agricultural States, 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 included 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. The increase in the length of State Highways was, however, not significant. Main achievements of road kilometrage of different kinds of roads at the end of Fourth Plan and at the end of 1978-79 are as under:—

Sr. No.	Item	Position as on	
		1973-74	1978-79
1.	National Highways ..	964	964
2.	State Highways ..	1,862	1,900
3.	Major District Roads	2,076	2,100
4.	Other District Roads	2,335	2,379
5.	Village Roads ..	15,985	23,520
	<b>Total ..</b>	<b>23,222</b>	<b>30,863</b>

8.4. 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 road 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. Plan roads (12 ft. wide) measuring 9 K.M.s. were also constructed during this year.

8.5. Keeping in view the deficiencies existing in State Highways, District and other roads as on 1st April, 1980, some of the programmes proposed during Sixth Plan (1980—85) period are given below:—

1. Missing links
2. Strengthening of existing roads.
3. Construction of Bridges.
4. Construction of Bye-passes,

In this sector, the most important programme is for the construction of rural roads under RMNP which envisages provision of all weather link roads for villages with a population of 1,500 and above. The removal of deficiencies in the State Highway system and upgrading some selected stretches of roads after taking into account the projected traffic would be one of the major policy thrusts during 1980—85.

**8.6.** In the Annual Plan 1980-81, an expenditure of Rs. 13.01 crores was incurred on this programme and during the period 596 Kms. of link roads were constructed. The number of villages not connected by roads which stood at 364 villages as on 31st March, 1980 was reduced to 187 as on 31st March, 1981 by connecting 177 villages during 1980-81. Besides, 400 Kms. of road length were improved against a target of 375 Kms. During this period construction work remained in progress on 45 bridges, out of which 14 bridges were completed. However, there was a shortfall in expenditure on the construction of bye-passes, which was attributed to disputes in alignments.

**8.7.** An outlay of Rs. 12.00 crores was approved for the Annual Plan 1981-82 for carrying out the various programme of development under this sub-head. The major programme included in in the Annual Plan 1981-82. was improvement of existing roads, construction of link roads and construction of bridges for which an outlay of Rs. 10.44 crores was allocated out of a total provision of Rs. 12.00 crores. The total expenditure incurred was Rs. 1257.31 lakhs, which was 104.7 per cent of of the total outlay. During this period 194 Kms. of village link roads were constructed against a target of 100 Kms. In addition surfacing of 942 Kms. and 1,181 Kms. of road length already metalled was also completed by providing 1st coat and 2nd coat respectively. The number of villages not connected by road, which stood at 187 as on 31st March, 1981 was reduced to 176 as on 31st March, 1982 by connecting 11 villages during 1981-82. Besides, 401 Kms. road length were improved against a target of 320 Kms. During this period 12 bridges were completed against a target of 10 bridges. Shortfall in expenditure on the construction of bye-passes continued due to disputes in alignment. In the annual Plan 1982-83 an expenditure of Rs. 860.78 lakhs was incurred against an approved outlay of Rs. 900 lakhs. During this year 62 Kms. of village roads were constructed against the target

of 20 Kms. The number of villages not connected by roads which stood at 176 as on 31st March, 1982 was reduced to 170 as on 31st March, 1983 by connecting 6 villages during 1982-83. Surfacing of 326 Kms., and 1066 Kms. of road length already metalled was also completed by providing 1st coat and 2nd coat respectively. During this period 6 bridges were completed as against the target of 5 bridges. In addition 152 Kms. of existing road length were improved and additional 27 Kms of Plan roads (12 feet wide) were constructed against the target of 5 Kms. An outlay of Rs. 15.80 crores has been approved for 1983-84 for this sub-head. Significant provision of Rs. 7.80 crores has been made for completing the spillover works pertaining to rural roads and for the improvement of existing roads for which an allocation of Rs. 2.00 crores has been provided. Besides, Rs. 4.50 crores has been approved for the construction of bridges, out of which Rs. 3.50 crores has been earmarked for the construction of high level bridge on river Sutlej near Anandpur Sahib and the balance amount of Rs. 1.00 crore has been provided for other on going bridges.

#### **Annual Plan 1984-85**

**8.8** An outlay of Rs. 12.80 crores is proposed for 1984-85 for continuing the programmes initiated during Sixth Plan period. The main programme/schemes under this sub-head proposed to be implemented are as under :—

#### **Main Roads and Missing Links**

**8.9** An outlay of Rs. 25.00 lakhs is proposed for only 13 spillover works for 1984-85, out of which 5 works will be completed.

#### **Improvement, Widening and Providing additional crust on existing roads**

**8.10.** 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. During 1983-84, an outlay of Rs. 200.00 lakhs has been provided for this purpose.

An outlay of Rs. 450.00 lakhs is proposed for 1984-85 for 123 spillover works out of which 71 will be completed.

### Village Roads

8.11. All villages (12,188) in the State except 170 villages were provided first link by the end of 1982-83. The statement given below indicates the position regarding 170 unconnected villages:—

Sr. No.	Details	No. of villages	Districtwise break-up
(1)	(2)	(3)	(4)
1.	Bechirag villages ..	68	Amritsar (2), Gurdaspur (21), Jalandhar (3), Kapurthala (39) Hoshiarpur (3)
2.	Villages acquired by Military and not to be linked due to military objection	10	Gurdaspur (5), Ferozepur (5) Kapurthala (1)
3.	Villages that cannot be linked due to non-availability of land and shortage of width	21	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 on river bed	38	Ferozepur (38)
7.	Upstream of Dholbaha drain	6	Hoshiarpur (6)
8.	Work in progress for linking villages	16	Amritsar (3), Jalandhar (3), Hoshiarpur (8), Ropar (2)
9.	Others ..	6	Hoshiarpur (4) Ropar (2)
	Total ..	170	

The main thrust of the programme to provide links/interlinks under this scheme will be through the funds amounting to Rs. 900.00 lakhs 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 an outlay of Rs. 30.00 lakhs only is proposed for 1984-85 for construction of roads for linking villages situated in upper Water-Shed-Dholbaha-Choe bridge.

### Bridges

8.12. Most of the roads constructed in the State are fair weather roads. To make these roads all weather, construction of bridges and culverts is a necessary requirement. During 1983-84 a sum of Rs. 450.00 lakhs is provided for this purpose. A sum of Rs. 550.00 lakhs is proposed for 1984-85 for 61 spillover works, out of which 28 bridges will be completed by the end of the year.

### Central Road Fund

8.13. This scheme is fed from the proceeds of a levy on motor spirit. Allocation are made to the State Government for programmes approved by the Ministry of Transport, Government of India. An outlay of Rs. 120.00 lakhs is proposed for 1984-85 for carrying out the works approved by Government of India, Ministry of Transport.

### Improvement of roads within Municipal Committees Limits

8.14. The stretches of main roads passing through the Municipal limits need widening and improvement. Under this scheme such stretches are being widened/improved in Amritsar, Ludhiana, Jalandhar, Patiala, Bhatinda, Abohar, Moga and Faridkot. A provision of Rs. 25.00 lakhs has been made for this purpose during 1983-84. A spillover requirement on 1st April, 1984 for 28 on-going works has been worked out at Rs. 192.26 lakhs. A sum of Rs. 35 lakhs is proposed for completing 12 works and for carrying out the other on-going works.

### Machinery and equipment

8.15. In order to cope with the enlarged road building activities and consequent maintenance programme, a sum of Rs. 25.00 lakhs is proposed for 1984-85.

**Bye-Passes**

8.16. 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. An outlay of Rs. 30.00 lakhs has been provided for this purpose during 1983-84. Spill-over requirement as on 1st April, 1984 for 10 on-going works has been worked out at Rs. 151.89 lakhs. A sum of Rs. 40.00 lakhs is proposed for 1984-85 for completing 4 bye-passes and continuing the work on remaining 6 bye-passes.

**Research and Development, field training Labs. and Purchase of equipment**

8.17. Under this scheme, the laboratory has been 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. Under this programme, it is proposed to purchase equipment and technical books for the library during 1984-85. A sum of Rs. 5.00 lakhs is proposed for the programme.

**ROAD TRANSPORT**

8.18. 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 passengers 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. Unfortunately both the undertakings are at present showing losses. The main factor responsible for this situation has been the rising prices of inputs used in the road transport industry without corresponding increase in bus fares. However, efforts have been made to bring down the cost of operation through appropriate administrative measures and improvement in utilisation indices with better workshop facilities timely replacement of overaged buses, route rationalisation and improved scheduling etc. Their urgent requirements include construction of additional depots and replacement of old buses. The outlay approved for 1983-84 and proposed

outlay of 1984-85 for two undertakings are given below :—

Scheme	(Rs. in lakhs)	
	Outlay, 1983-84	Proposed Outlay, 1984-85
1. Punjab Roadways ..	500.00	800.00
2. P.R.T.C. ..	400.00	500.00
Total ..	900.00	1300.00

The Punjab Roadways, being a departmental undertaking, 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, has the contribution of the Railways and the funds expected to be made available by the financial institutions.

**Punjab Roadways**

8.19. During 1974—79, an expenditure of Rs. 2,037.04 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. An outlay of Rs. 495.00 lakhs was approved for 1980-81, which was subsequently revised to Rs. 1,490.00 lakhs in order to purchase more buses and to strengthen the workshops. Actual expenditure of Rs. 1,490.24 lakhs was incurred. The Punjab Roadways, during 1980-81 purchased 672 buses and out of this 513 buses were put under replacement. In addition 140 buses were renovated and bus bodies of these buses were refabricated. Machinery worth Rs. 27.64 lakhs was purchased during this year in order to equip the workshops with modern machinery.

8.20. An outlay of Rs. 495.00 lakhs was approved for Punjab Roadways in the Annual Plan 1981-82. The expenditure incurred was Rs. 499.36 lakhs. The Punjab Roadways purchased 111 buses and out of this 56 buses were put under expansion programme besides replacement of 55 buses. The Punjab Roadways increased

vehicle utilisation to 218 Kms. per bus per day against the accepted norm of 210 Kms. per bus per day. Consequently the fleet utilisation which was 90.3% in 1980-81 increased to 91.2% in 1981-82. During 1982-83, an expenditure of Rs. 282.13 lakhs was incurred as against the approved outlay of Rs. 456.00 lakhs. The Punjab Roadways could replace only 56 buses against the target of 130 buses. During 1983-84 an outlay of Rs. 500.00 lakhs has been approved. With this provision, Punjab Roadways would replace 148 buses only and will operate 5.29 lakhs route kilometrage daily during 1983-84.

8.21. A provision of Rs. 800.00 lakh is proposed for 1984-85 in order to meet mainly the requirement of funds for replacement of buses. The proposed outlay for the implementation of development programme is given below :—

(Rs. in lakhs)		
Serial No.	Item	1984-85
1	2	3
1.	Land and Building	.. 219.00
2.	Acquisition of Fleet	
	(a) Addition	.. —
	(b) Replacement	.. 564.00
3.	Workshop facilities	.. 15.00
4.	Other Expenditure	.. 2.00
	Total	.. 800.00

As a result of the above proposed development programme, the Punjab Roadways will replace 235 buses during 1984-85 and operate 5,53,610 route kilometrage daily during 1984-85. Under item Land and Building, a sum of Rs. 219.00 lakhs has been provided, for carrying out spill-over works only. The details in respect of these works are given in Annexure 'A'

#### **Pepsu Road Transport Corporation (PRTC)**

8.22 During 1974-79, the Corporation spent an amount of Rs. 803.49 lakhs. Out of this the State Government contributed a share

capital of Rs. 392.00 lakhs. The total number of buses added to its fleet was 137 besides replacement of 488 buses. During 1979-80, the Corporation incurred an Expenditure of Rs. 372.67 lakhs, out of which share capital contribution of the State Government was 157.00 lakhs. The Corporation purchased 203 buses for expansion programme and for replacement of old buses. During 1980-81, the Corporation had incurred an expenditure of Rs. 805.38 lakhs, which included a share capital contribution of Rs. 305.00 lakhs by State Government. During this year, the Corporation purchased 288 buses. The fleet strength of the Corporation as on 31st March, 1981 rose to 930 from 898 as on 31st March, 1980. The Corporation operated 2,30,837 kilometres daily in March, 1981 with a fleet strength of 930 buses.

8.23 The Corporation had an investment plan of Rs. 1029.90 lakhs for 1981-82. Against the approved Plan of Rs. 1029.90 lakhs, the Corporation realised capital receipts to the extent of only Rs. 461.35 lakhs, which is 45 per cent as against 77 per cent realised during 1980-81. The shortfall in Capital receipts was due to tight money market as only Rs. 66.38 lakhs could be raised as loan from banks and financial institutions against a target of Rs. 572.40 lakhs. The contribution from railways was also not received at the targetted level of Rs. 152.50 lakhs. The Corporation incurred an expenditure of Rs. 467.70 lakhs which was 45.4 per cent of the proposed plan and 101.4 per cent of the capital receipts. With this the Corporation could purchase only 42 Chassis. In addition 148 Chassis received in March, 1981 were got fabricated and 17 old buses were renovated. Consequently the Corporation added 145 buses under expansion programme and 62 buses under replacement programme during the year. Thus the fleet strength of the Corporation which was 930 as on 31st March, 1981 increased to 1075 as on 31st March, 1982. The Corporation proposed an investment Plan of Rs. 830.00 lakhs for 1982-83, and subsequently revised to Rs 622.50 lakhs during the course of the year keeping in view the available resources. Against the revised plan of Rs 622.50 lakhs, the Corporation, however, realised capital receipts of Rs. 721.35 lakhs. The Corporation incurred an expenditure of Rs. 501.48 lakhs which was 80.55

per cent of the proposed revised plan and 69.52 per cent of capital receipts. The Corporation deferred its expansion programme and limited its activity to replacement of 43 buses only as against the target of 101 buses. Out of the total expenditure of Rs. 501.48 lakhs, the Corporation repaid the loan amount of Rs. 216.16 lakhs to banks and Rs. 120.00 lakhs as interest to the State Government. The Corporation has an investment plan of Rs. 750.00 lakhs during 1983-84 for implementing its programme. The financing pattern of the plan of the Corporation is as under:—

(Rs. in lakhs)		
Serial No.	Source	1983-84
1.	State Government Contribution ..	400.00
2.	N. Railways' Contribution ..	200.00
3.	Institutional Finance ..	150.00
	Total ..	750.00

The Corporation has a plan to add 72 buses to its fleet besides replacement of 160 buses.

**8.24** The PRTC has proposed a development programme of Rs. 981.10 lakhs for 1984-85 for implementing its programme. The share of State Government and Central Government is in the ratio of 2:1. The sources of finance for 1984-85 are given as under:—

(Rs. in lakhs)		
Serial No.	Source	1984-85
1.	State Government Contribution ..	500.00
2.	N. Railways' Contribution ..	250.00
3.	Institutional Finance ..	231.10
	Total ..	981.10

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

(Rs. in lakhs)		
Serial No.	Item	Outlay
		1984-85
1. Acquisition of fleet—		
	(i) Expansion ..	143.10
	(ii) Replacement ..	650.00
2.	Workshop facilities ..	10.00
3.	Others ..	10.00
4.	Land and Buildings ..	68.00
5.	Repayment of interest to the State Government ..	100.00
	Total ..	981.10

As a result of this development programme, the Corporation will add 54 buses to its fleet besides replacement of 250 buses and envisages to operate 2,53,423 route kilometreage daily during 1984-85.

#### Civil Aviation :

**8.26** The Civil Aviation Department was set up in Punjab in 1962 for making people of Punjab air-minded. 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. It adds to the activities of the Civil Aviation Department in the State. 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. The Department is having fleet of 21 Pushpak aircrafts (2 seater) and one Bonnaza aircraft (4 seater) on which flight training is imparted for the preparation of trainees for commercial pilot licence. The Department also provides facilities for gliding training. Gliding centres are working at all the Aviation Clubs.

**8.27** During 1974—79, a sum of Rs. 61.49 lakhs was incurred on this programme. In 1979-80 an expenditure of Rs. 13.07 lakhs was incurred. During this period machinery and equipment worth Rs. 11.38 lakhs were purchased in order to impart advanced training to pilots. During 1980-81, an expenditure of Rs. 29.50 lakhs was incurred which included an expenditure of Rs. 19.00 lakhs on machinery.

**8.28** An outlay of Rs. 14.00 lakhs was provided in the Annual Plan 1981-82, which was revised to Rs. 17.20 lakhs during the course of the year. The expenditure incurred was Rs. 17.19 lakhs. The additional amount allowed was spent on scheme covered under capital account for equipping the Ludhiana airfield to enable the D.G.C.A. to commission Vayudoot Service. During this period commercial pilot licences were issued to 15 students, private pilots licences to 20 students and gliding pilot licences issued to 10 students. Besides FIR (Flight Instructor Rating) and AFIR (Assistant Flight Instructor Rating) trainings were imparted to 5 CPL holders to make them perfect as pilot instructors. During 1982-83, an expenditure of Rs. 9.84 lakhs was incurred as against the approved outlay of Rs. 14.00 lakhs. The physical achievements made during 1982-83 are indicated below :—

Sr. No.	Name of the Training	Unit	Students Trained
1	2	3	4
1	Commercial Pilot Licence issued	.. No.	9
2	Private Pilot licence issued	.. „	22
3	FIR/AFIR	.. „	3
4	Student Pilot Licence	.. „	25
5	Glider Pilot Licence	.. „	8

An amount of Rs. 14.00 lakhs has been approved for 1983-84 for carrying out the programme of training and education. A sum of Rs. 18.00 lakhs is proposed for 1984-85 for implementing the following programmes :—

### 1. Training and Education

#### (i) Aircraft Maintenance Engineering School:

The school has already been set up at Patiala and at present 25 students are under training. An

amount of Rs. 5.00 lakhs is proposed for meeting the staff expenditure as well as for training aids to be used for the scheme.

#### (ii) Simulator Training

The Department had already set up a ground simulator unit at Patiala. This training provides better job opportunities to pilots during the selection for Indian Air Lines etc. Rs. one lakh is proposed for 1984-85 for meeting the expenditure on staff and other contingencies.

### 2. Aerodromes and Air Route Service

The existing buildings at Ludhiana airfield has been taken over by the Government of India to run Vayudoot Commuter service. It is, therefore, necessary to construct a building for club at this airfield. During 1984-85, an outlay of Rs. 2.00 lakhs is proposed for this purpose.

### 3. Machinery and equipment

A sum of Rs. 10 lakhs is proposed for following items :—

	(Rs. in lakhs)
1. Spares and engines for re-engining Government owned aircraft/Helicopters	.. 7.00
2. Purchase of Avionics, Nav. aids and V.H.F. sets	.. 2.00
3. To defray the balance payments and custom duty etc.	.. 1.00
<b>Total</b>	<b>.. 10.00</b>

### Tourism

**8.29** 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 had released Rs. 2.01 crores to the Corporation upto 31st March, 1983 by way of share capital contribution besides the transfer of existing assets tentatively valued at Rs. 1.50 crores. Out of current year's allocation, Rs. 15.00 lakhs has since been released to the Corporation, making a total share capital contribution of Rs. 2.16 crores upto 30th September, 1983. An additional amount of Rs. 10.00 lakhs is likely to be released during the



current year. In the Annual Plan 1984-85 an allocation of Rs. 30.00 lakhs is proposed as share capital contribution against an allocation of Rs. 25.00 lakhs during the current year. It is hoped

that by mobilizing institutional finance and by carefully husbanding its own internal resources, it would be possible for the Corporation to undertake its programmes of development.

## ANNEXURE 'A'

Serial No.	Name of depot	Name of Works	Amount (Rs. lakhs)	Brief details of construction work
1	2	3	4	5
1	Pathankot	— Construction of W/shop in Pb. Roadways depot at Pathankot	2.00	Construction of Canteen and completion of concrete paving.
2	Batala	— Constn. of workshop in P.R. Depot at Batala.	12.00	Constn. Admn. block and completion of road work.
3	Amritsar-I	— Improvement of workshop in P.R. depot Amritsar-I.	5.00	Constn. of workshop for various functions in the workshop.
4	Amritsar-II	— Constn. of workshop in P.R. Depot, Amritsar-II.	8.00	Constn. of workshop block Phase-II.
5	Tarn Taran	— Constn. of new depot building.	20.00	Constn. workshop block storage unit, duty section and boundary wall.
6	Patti	— Constn. P.R. depot at Patti.	3.00	Constn. Drivers Rest Room and Canteen block.
7	Ferozepur	— Constn. of P.R. depot at Ferozepur.	5.00	Cement concrete paving in circulation area.
8	Muktsar	— Constn. of P.R. depot at Muktsar.	5.00	Completion of water supply, constn. of Drivers Rest Room and Canteen.
9	Moga	— Constn. of P.R. depot at Moga	10.00	Constn. of Admn. block completion of Drivers Rest Room and Canteen.
10	Ludhiana	— Constn. of P.R. depot at Ludhiana.	15.00	Raising of general level in the workshop and constn. of workshop block.
11	Jalandhar-I	— Constn. of P.R. depot at Jalandhar-I.	1.00	Constn. of boiler Room for retreading unit.
12	Jalandhar-II	— Construction of workshop of P.R. depot Jalandhar-II	20.00	Constn. of workshop block duty section Gate office Washing Platform, washing Ramp, Drivers Rest Room and Canteen..
13	Chandigarh-II	— Constn. of P.R. depot at Chandigarh-II at Ropar	20.00	Constn. of Admn. block and completion of workshop block Duty Section, Gate Office Roads and Water Supply arrangement.
14	Chandigarh-I	— Const. of P.R. depot at Chandigarh-I.	10.00	Constn. of Admn. block.
15	Hoshiarpur	— Constn. of P.R. depot at Hoshiarpur.	10.00	Constn. of Admn. block and Cement brick paving and Water Supply arrangement.

Serial No.	Name of depot	Name of Works	Amount (Rs. lakhs)	Brief details of construction works
1	2	3	4	5
16	Jagroan	— Constn. of workshop in P.R. depot at Jagroan.	15.00	Completion of Administrative block and workshop block.
17	Nangal	— Constn. of P.R. depot at Nangal	5.00	Completion of workshop block and water supply arrangement.
18	Ministers Car Section	Constn. Central Workshop.	8.00	Completion of Mifiister Car section.
19	Central Workshop at Goindwal.	Constn. of Boundary Wall.	20.00	Purchase of land and completion of Boundary Wall.
BUS STANDS				
20	Amritsar	— Improvement of Circulation road in Central Bus Stand at Amritsar	4.00	Completion of roads.
21	Mukerian	— Constn. of Bus stand at Mukerian.	5.00	Completion of bus stand.
22	Tarn Taran	— Constn. bus stand at Tarn Taran	8.00	Purchase of land and constn. of Bus Stand.
23	Jalandhar-I	— Improvement of Bus Stand	3.00	Constn. of Rickshw Stand and Taxi Stand.
24	Hoshiarpur	— Improvement of Bus Stand	3.00	Improvement of roads.
25	Ludhiana	— Improvement of Bus Stand	0.50	Constn. additional toilets block.
26	Zira	— Constn. Bus Stand at Zira	0.50	Completion of Boundary Wall.
27	Pathankot	— Improvement of bus Stand at Fathankot.	1.00	Constn. of Canteen block.
Total			219.00	

## 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 imparts inner strength to face oppression, humiliation and inequality amongst the people.

9.2. In consonance with the Directive Principles of the Constitution, the State framed a policy for the universal education upto the age of 14 years. With this aim in view a net work of 12896 primary schools has been established in the State to enrol all the children in the age group of 6—11 years. Every inhabited revenue village has been provided with a primary school by the end of 1977-78. For the enrolment of the children in the age group 11—14 years (VI—VIII classes) about 1400 middle schools and 2000 middle departments of the high and higher secondary schools have been established. The number of privately managed schools are in addition to the aforementioned Govt. Schools. The State has now a primary school in every village, a middle school within 2.1 kilo-meters and a high or higher secondary school within 2.6 kilometers of every village. This is a better than the norm of one kilometer for a primary school, 3 kilometers for a middle school and 5 kilometers for a high/higher secondary school fixed by Govt.

of India. These schools are staffed with 47,260 primary teachers and 44,846 middle and high school teachers.

9.3. Emphasis so far has been on expansion and upgradation of schools rather than on providing basic facilities in the existing schools. It is estimated that deficiency to the extent of 25776 class rooms (15297 in Primary Schools and 10479 in Middle and High/ Higher Secondary Schools), 2147 teachers in primary schools, 2600 science laboratories, 2600 laboratory attendants, science equipment worth about Rs. 2.75 crores, furniture worth Rs. 8.58 crores, library services in 3114 schools and lavatory and drinking water facilities in most of the schools exist. The total requirement of funds to meet these deficiencies in the existing schools is estimated at around Rs. 157.00 crores. Another Rs. 68.00 crores would be required for meeting deficiencies in the colleges and universities.

9.4. Keeping in view the need for consolidation to be undertaken in a phased manner, an outlay of Rs. 1705.00 lakhs has been proposed in 1984-85, under various programmes of the 'General Education' against the current year's allocation at Rs. 1330.00 lakhs. Besides, a provision about Rs 170.00 crore also stands under non-plan budget in 1983-84 for the Genral Education. Programme-wise allocation proposed is as under :—

Programme	Rs. in lakhs				
	1980-81 Actual Expd.	1981-82 Actual E.pd.	1982-83 Actual Expd.	1983-84 Approved outlay	1984-85 Proposed outlay
1	2	3	4	5	6
1. Primary Education	67.86	109.45	113.43	120.00	175.55
2. Middle/High/Higher Sec. Education	375.94	605.34	766.17	989.50	1225.08
3. College & University Edu.	95.43	108.92	58.97	124.45	194.38
4. Languages	11.72	14.93	14.71	20.76	24.67
5. Sports	34.74	32.97	18.64	35.00	40.00
6. Archives	—	—	0.08	1.00	1.53
7. Archaeology & Museums	5.80	12.00	8.52	15.00	17.00
8. Youth Services	10.66	12.17	16.61	18.29	20.79
9. Art and Culture	7.26	3.31	2.46	5.00	5.00
10. International Children Home at Chhatbir	0.43	1.56	0.84	1.00	1.00
Total	610.34	900.65	1000.43	1330.00	1705.00

9.5 The programme-wise details are discussed below :—

### 1. Primary Education :

9.6 An outlay of Rs. 175.55 lakhs has been proposed in 1984-85 against the outlay of Rs. 120.00 lakhs in 1983-84.

9.7 On the eve of the Sixth Plan there were 12,876 primary schools in the State. But with the emergence of new habitations, colonies/townships in different towns and cities, further provision of primary schools at these places became necessary. During 1979-80 and 1980-81, 20 new single teacher schools were opened. Five more single teacher primary schools are proposed to be opened in 1984-85. An outlay of Rs. 3.34 lakhs is set apart under this scheme.

9.8 There is deficiency of furniture and black boards in the primary schools. To meet this urgent requirement in 600 primary schools a sum of Rs. 10.20 lakhs is proposed in 1984-85. Excepting 200 schools where part-time sweepers have been engaged, no proper arrangement exists in the primary schools for sweeping and cleaning the class rooms and school campus. In 1984-85, there is a proposal to appoint part-time-sweepers in 300 more schools. To meet the financial liability of 500 part-time sweepers an outlay of Rs. 5.00 lakhs has been proposed in 1984-85. The facilities of lavatories and drinking water is also essential. An outlay of Rs. 1.00 lakh has been proposed in 1984-85 to cover 40 primary schools. The library service have been provided in 130 primary schools in 1979-80 and 1980-81. For the continuation of these libraries, a sum of Rs. 0.40 lakh is proposed in 1984-85.

9.9 On the eve of the Sixth Plan there were 2451 primary schools without buildings. It is expected that 755 schools each would be provided with two room functional building by the end of 1983-84. An outlay of Rs. 150.00 lakhs has been proposed in 1984-85 for completing the building of 245 primary schools and for starting construction work on 200 more primary school buildings.

9.10 Presently 250 non-formal education centres are functioning for the children in the age group of 6—11 years. For the continuation of these centres an outlay of Rs. 2.50 lakhs is proposed. To equip and acquaint the primary school teachers with the

latest education techniques, in-service training is arranged. A sum of Rs. 1.00 lakh is proposed in 1984-85 for this purpose.

9.11 The directorate of primary education is not adequately equipped with the supervisory staff and monitoring of 20-Point and other programmes. For this purpose an outlay of Rs. 2.10 lakhs is proposed under the scheme 'Administration and Supervision' in 1984-85. This provision also includes a sum of Rs. 1.00 lakh for new staff proposed in 1984-85.

### 2. Middle & Secondary Education :

9.12 For the middle and high/higher secondary education an outlay of Rs. 1225.08 lakhs is proposed against the allocation of Rs. 989.50 lakhs in 1983-84. Details of the programmes are as under :—

#### (i) Middle School Education :

9.13 During the year 1984-85 an outlay of Rs. 464.38 lakhs has been proposed, against the allocation of Rs. 374.70 lakhs in 1983-84 for middle schools education. This provision has been made mainly for the continuation of the existing programmes and also to make up the deficiencies. No upgradation of primary school to the level of middle standard is proposed during 1984-85.

9.14 During the Sixth Plan, 262 primary schools have been upgraded by the end of 1982-83 and 75 more schools are to be upgraded during 1983-84. For the continuation of these 337 schools an outlay of Rs. 282.60 lakhs has been proposed in 1984-85.

9.15 For the practical teaching of the science subject, science laboratories are essential. There are at present 1000 middle schools functioning without this facility. An outlay of Rs. 20.00 lakhs has been proposed for the construction of science laboratories in 30 middle schools during 1984-85. An outlay of Rs. 1.00 lakh has also been proposed to meet the spill-over requirement of class rooms under construction in the middle schools. Presently 200 non-formal education centres are functioning in four districts. For the continuation of these centres, an outlay of Rs. 2.50 lakhs is proposed in 1984-85.

9.16 Besides, the funds have been proposed for the continuation of 600 posts of masters/mistresses, 200 posts of science masters, 10 posts of domestic science teachers and 12 posts of Deputy D.E.O.s

along-with their supporting staff under various on-going schemes during 1984-85.

**(ii) High and Higher Secondary Education :**

**9.17** Against the allocation of Rs. 360.10 lakhs in 1983-84 an outlay of Rs. 691.33 lakhs has been proposed in 1984-85 mainly for the continuation of the existing programmes, posts and also for the spill over requirement of school buildings under construction. Adequate provision has been made for the construction of new science laboratories.

**9.18** By the end of 1982-83, 383 middle schools were upgraded to high school level and 45 more would be upgraded during 1983-84. For the continuation of these 428 schools an outlay of Rs. 428.00 lakhs is proposed during 1984-85.

**9.19** About 1600 high schools are without any science laboratories. To provide this facility in 30 high schools, an outlay of Rs. 20.00 lakhs is proposed in 1984-85 against the allocation of Rs. 5.00 lakhs in 1983-84. During 1983-84, construction works are in progress in 17 high and higher secondary schools. Of these, 8 works are expected to be completed during 1983-84 and for completing works at 7 more places during 1984-85 an outlay of Rs. 40.50 lakhs is proposed. Only buildings at two places namely Govt. High Schools, S.A.S.-Nagar (Mohali) and Dholbaha would have been left with spill over works by the end of this plan. No new construction is proposed to be undertaken during 1984-85. Details of works in progress are given in Annexure I.

**9.20** An outlay of Rs. 6.56 lakhs which is at par with current year's level is proposed to provide scholarships for poor but brilliant students. For holding science talent search examinations a sum of Rs. 0.68 lakh is set apart in 1984-85. Vocationalisation of education has been undertaken in 200 high/higher schools so far. For their continuation an outlay of Rs. 90.00 lakhs is proposed against an allocation of Rs. 80.00 lakhs in 1983-84. For continuing 300 posts of laboratory attendants, 10 posts of home science teachers, 10 posts of music teachers and library service in 100 schools, outlays of Rs. 26.64 lakhs, Rs. 1.45 lakhs, Rs. 2.50 lakhs and Rs. 10.00 lakhs respectively have been proposed in 1984-85.

**9.21** A sum of Rs. 5.00 lakhs is earmarked for providing lavatories and drinking water facilities in backward hundi watershed areas.

**9.22** It has been decided to introduce 10+2+3 system in the next two years in the State. Modalities of introducing this system would be worked out by the High Level Steering Committee. Pending to the recommendations of this Committee, a sum of Rs. 60.00 lakhs (provisional) is proposed in the Annual Plan 1984-85.

**(iii) Teachers Education :**

**9.23** An outlay of Rs. 21.07 lakhs has been proposed in 1984-85 against the allocation of Rs. 11.55 lakhs under this programme in 1983-84. This includes Rs. 12.00 lakhs for 'Inservice training of teachers' and Rs. 6.11 lakhs for the State Council of Educational Research and Training (SCERT). This Council has been set up with a view to taking up research and training for the development of school education. The outlays of Rs. 2.61 lakhs for the 'Technology Cell' and a State share of Rs. 0.35 lakh for the 'Population Education Project' have been earmarked under respective programmes.

**(iv) Adult Education :**

**9.24** Under the National Adult Education programme an outlay of Rs. 10.00 lakhs is proposed in 1984-85.

**(v) Physical Education, Games and Sports :**

**9.25** During 1984-85 an outlay of Rs. 35.10 lakhs has been proposed against current year's allocation of Rs. 30.21 lakhs for the continuation of 200 posts of D.P.E.s and 3 sports wings already created in various schools.

**(vi) Children Home at Chhatbir :**

**9.26** An International Children Home at Chhatbir is being constructed. To meet the spill over requirement an outlay of Rs. 1.00 lakh is proposed in 1984-85.

**3. College and University Education :**

**9.27** An outlay of Rs. 194.38 lakhs has been proposed including Rs. 41.42 lakhs for the capital content against the allocation at Rs. 124.45 lakhs in 1983-84 for the programmes detailed below :

**(i) Expansion and Improvement in Govt. Colleges :**

**9.28** An outlay of Rs. 21.40 lakhs has been proposed under the scheme 'Expansion of facilities in the Colleges' for the continuation of 3 sports wings and also to meet the spill over requirement of Rs. 15.10 lakhs for the completion of three on-going

works. An outlay of Rs. 60.30 lakhs has been proposed under another scheme 'Improvement of existing Colleges' in 1984-85. This includes Rs. 7.80 lakhs for the completion of seven spill over works and Rs. 52.50 lakhs for the continuation of staff already created for various courses in different colleges. It is also proposed to introduce the degree course in Statistics in three more Govt. colleges under this scheme. Hostel buildings in four colleges are under various stages of construction. To complete these buildings, a sum of Rs. 13.72 lakhs is proposed in 1984-85. This also includes Rs. 1.00 lakh proposed for the continuation of staff for hostels. Details of works are given in Annexure II.

**9.29** To prepare the talented students for various competitive examinations, the career wings were started in four colleges during 1981-82. For the continuation of these wings an outlay of Rs. 12.40 lakhs is proposed in 1984-85. The U.G.C. provides matching assistance for the development of the colleges. For contributing the State share an outlay of Rs. 5.00 lakhs has been proposed in 1984-85.

**(ii) Expansion and improvement in Universities :**

**9.30** Two academic Universities namely Punjabi University, Patiala and Guru Nanak Dev University, Amritsar are functioning in the State. To assist these autonomous institutions in their various programmes/projects the State Govt. provides financial assistance in the form of grant-in-aid. During 1984-85 an outlay of Rs. 12.00 lakhs is proposed for this purpose. A sum of Rs. 48.00 lakhs has also been proposed to match the U.G.C. aided projects of construction works in these Universities during 1984-85.

**(iii) Scholarships and Library Service :**

**9.31** An outlay of Rs. 5.26 lakhs has been proposed for the merit scholarships under the scheme 'State Merit Scholarships'. For the district libraries, an outlay of Rs. 11.80 lakhs has been proposed. This includes Rs. 5.40 lakhs for meeting the spill over requirement of District Library at Sangrur and a sum of Rs. 1.30 lakhs as matching contribution from the State to the Raja Ram Mohan Roy Foundation, Calcutta to receive the matching assistance in the form of books.

**4. Other Programmes :**

**9.32** Other programmes include the Development of Indian Languages, Youth Services including the

National Services Scheme (NSS), Sports and Games, Archives, Archaeology and Museums and Art and Culture.

**(i) Development of Languages :**

**9.33** A provision of Rs. 24.67 lakhs is being made for the year 1984-85 against the allocation of Rs. 20.76 lakhs in 1983-84. The programme includes (a) Development of Punjabi, Hindi and Urdu languages; (b) Library Centre at Delhi (c) Mobile Van-cum-Sale Exhibition (d) Rapport with Punjabi Writers/Literary Associations outside Punjab.

**9.34** The entire expenditure on administration of the Punjab University Text Book Board is met by the State. For this purpose, a sum of Rs. 9.76 lakhs has been proposed in the Annual Plan 1984-85.

**(ii) N.S.S. and Youth Services :**

**9.35** The National Service Scheme (NSS) is a Centrally sponsored scheme. It aims at education through community service. Grant-in-aid is given to the universities in the State at the rate of Rs. 80.00 per student activist/camper. The expenditure is shared between the Centre and the State in the ratio of 7:5. A sum of Rs. 13.54 lakhs has been proposed in the Annual Plan 1984-85 as State share against the outlay of Rs. 12.46 lakhs in 1983-84.

**9.36** Director Youth Services has several other programmes mentioned below for which a sum of Rs. 7.25 lakhs has been proposed keeping in view the level of activity in 1983-84 :

- (i) Punjab Inter-University Youth Festival ;
- (ii) Teachers Training Camp ;
- (iii) Youth Leaderships Training Camp ;
- (iv) Hiking and Trekking ;
- (v) Grant-in-aid to Village Youth Clubs ;
- (vi) Inter-State tours and ;
- (vii) Grant-in-aid to College Youth Clubs.

**(iii) Sports :**

**9.37** Punjab is a leading State in the matter of sports. A sum of Rs. 40.00 lakhs has been proposed for 1984-85 against the provision of Rs. 35.00 lakhs in 1983-84. The provision has been made for (a)

Coaching scheme, (b) Competition scheme, (c) Scholarships, (d) purchase of sports equipment (e) State Sports Academy (f) Sports Hostels and (g) Construction of Sports complexes.

**(iv) Archives :**

9.38 A sum of Rs. 1.53 lakhs has been earmarked for the year 1984-85 against the provision of Rs. 1.00 lakh in 1983-84. The provision is for the establishment of a repository at the State Capital to manage and preserve the old records on archival lines and also for setting up offices at divisional level.

**(v) Archaeology and Museum :**

9.39 An outlay of Rs. 17.00 lakhs has been proposed for 1984-85 against the approved outlay of Rs. 15.00 lakh for 1983-84. The programme includes (a) Conservation of Ancient and historical monuments, (b) Display equipment for Museums/Galleries including purchase of art objects, (c) Opening of new museums, (d) Development of State archaeological library, (e) Publication of Archaeological report, (f) landscaping/beautification around monuments, (g) Strengthening of Archaeological and Museums Department (h) Equipment and Machinery, (i) Cannon Park shed (j) Transplantation of paintings, (k) setting up an Archaeological laboratory.

**(vi) Promotion of Art and Culture :**

9.40 A sum of Rs. 5.00 lakhs has been proposed in the Annual Plan 1984-85 for the promotion of Art and Culture in the State.

## TECHNICAL EDUCATION

9.41 Against the current year's outlay of Rs. 60.00 lakhs an outlay of Rs. 82.50 lakhs has been proposed for 1984-85 for the programme of Engineering colleges, polytechnics, special trade diploma level institutes and also to develop the existing institutions and to provide amenities to students.

**Direction and Administration :**

9.42 An outlay of Rs. 2.00 lakhs is earmarked for the continuation of the staff appointed for strengthening the headquarters. The current year outlay for this scheme is Rs. 2.00 lakhs.

**Engineering Colleges :**

9.43 State has two privately run engineering colleges. Against the current provision of Rs. 4.15 lakh, the proposed allocation for 1984-85 is Rs. 9.00 lakhs for the continuation of the diversified courses and introduction of new courses. To meet the requirement of other districts, it has been decided to set up another engineering college by the State Government. A token provision of Rs. 1.50 lakhs has been proposed for purchasing land to set up this college during 1984-85.

**Institute of Entrepreneurial Development and Management**

9.44 In order to make comprehensive and co-ordinated attack on the problems of management facing the small and medium entrepreneur in Agriculture and Industry and for imparting Entrepreneurial Training to the Young Matriculates and Graduates who are today swelling the ranks of the educated unemployed in the various Government I.T.I's and Polytechnics different parts of the State, it has been decided by the Government to establish an institute of entrepreneurial Development and Management in Punjab at the Apex Institute level. Accordingly, during the year 1983-84, a sum of Rs. 0.50 lakh was provided for this purpose. An advisory Committee for the preparation of a project report has already been constituted by the Government. A sum of Rs. 0.20 lakh has been proposed during 1984-85 by which time project report is expected to be received from the Committee.

**Polytechnics**

9.45 A new polytechnic at Bhatinda was set up in 1981-82. The Guest classes on behalf of this Polytechnic are being run at Government Polytechnic, Hoshiarpur. An expenditure of Rs. 12.00 lakhs and Rs. 12.77 lakhs was incurred during the year 1981-82 and 1982-83 for the purchase of land and for construction of building as also to look after the Skelton Staff provided during 1981-82. Another expenditure of Rs. 15.00 lakhs including Rs. 12.00 lakhs as Capital content will be incurred during the current year. To complete construction work in all respects and staff etc., an allocation of Rs. 30.00 lakhs (Rs. 20.00 lakhs for capital component) is being proposed for 1984-85. A sum of Rs. 2.50 lakhs is set aside for the existing Government Polytechnic for introduction of new courses etc. against the current provision of Rs. 2.00 lakhs



A provision of Rs. 2.00 lakh has been proposed for starting 2 years Diploma course in commercial Practice (Regional Language Punjabi) at Govt. Polytechnic at Hoshiarpur at Amritsar.

9.46 For strengthening the private polytechnics and the introduction of new courses an outlay of Rs. 6.25 lakhs has been proposed for the year 1984-85 against the outlay of Rs. 4.75 lakhs for the current year.

#### **Special trade Diploma Institutes :**

9.47 Five Special Trade Diploma Level Institutes are being run in the State to train the middle level technical personnel in the trades of electronics, interior decoration, textile technology, textile chemistry and knitting and garments etc. An outlay of Rs 13.50 including a capital component

of Rs. 5.50 lakhs has been proposed for 1984-85 to strengthen these institutes by providing new trades, buildings, machinery and equipment etc. A new scheme T.E. 4.4. Degree Level courses in Textile Technology has been admitted in Annual Plan 1984- 85.

#### **Other Programmes :**

9.48 To modernise and strengthen the machinery and equipment in the Polytechnics an outlay of Rs. 5.00 lakhs has been proposed for the year 1984-85. at the current year level. An outlay of Rs. 9.05 lakhs has been proposed under the continuing schemes relating to the purchase of teaching aids, scholarships, development of libraries and campus of the Engineering Colleges/Polytechnics and also for providing amenities to students.

## ANNEXURE—I

## List of spill over works and requirements of funds during 1984-85

(Schools)

(Rs. in lakhs)

Name of the work	Year in which work was sanctioned	Total estimated cost	Expd. upto 31-3-83	Allocation in 1983-84	Allocation in 1984-85 proposed	Year in which work would be completed
1	2	3	4	5	6	
<b>Extension of existing buildings/ construction of new buildings in High/Higher secondary Schools</b>						
1. Govt. Hr. Secondary School, Tanda ..	1970-71	13.56	15.04	5.32	—	1983-4
2. Govt. High School, Bhindi Saidan (ASR)	1972-73	1.50	0.90	0.30	—	Do
3. Govt. High School, Goraya (JUC) ..	1973-74	1.50	0.63	0.05	—	Do
4. Govt. Girls High School, Shiwala .. Bhaian (ASR)	1977-78	5.63	0.59	0.70	4.50	1984-5
5. Govt. Girls Hr. Secondary School Ludhiana	1977-78	10.47	N.A.	0.10	—	1983-4
6. Govt. High School, Faridkot ..	1978-79	15.26	13.96	4.47	—	1983-4
7. Govt. High School Gidderbaha (Faridkot)	1979-80	23.20	10.72	7.75	7.50	1984-5
8. Govt. High School, Bhaini (Kapurthala)	1979-80	8.49	4.93	4.45	5.00	1984-5
9. Govt. High School, Chharta (Amritsar)	1979-80	11.23	16.00	2.12	—	1983-4
10. Govt. High School, Zira, Ferozepur ..	1979-80	6.16	10.64	0.55	—	1984-5
11. Govt. Girls High School, Amloh, Patiala	1980-81	6.48	0.23	7.25	3.50	1984-5
12. Govt. Girls Higher Secondary School, .. Mandi Gobindgarh	1980-81	1.43	1.12	—	1.10	1984-5
13. Govt. High School, Bhunga, (Hoshiarpur)	1980-81	8.60	10.61	0.25	—	1983-4
14. Govt. High School, Rahon (JUC) ..	1981-82	7.24	2.29	6.00	2.00	1984-5
15. Govt. High School (Boys), Amloh, Patiala	1981-82	7.36	—	—	8.25	1984-5
16. Govt High School, S.A.S. Nagar (Mohali)	1983-84	25.06	—	10.63	7.50	N.A.
17. Govt. High School, Dholbaha ..		—	—	10.00	1.15	N.A.
				59.94	40.50	
18. Establishment of International Children Home at Chhatbir	1980-81	40.00	4.56	1.00	1.00	N.A.

## ANNEXURE--II

## List of spill over works and requirement of funds during the year 1984-85

(Colleges)								(Rs. in lakhs)
Name of work	Year of sanction	Original cost	Revised cost	Expd. up to 31-3-83	Allocation in 83-84	Allocation proposed in 1984-85	Year in which work to be completed	
1	2	3	4	5	6	7	8	
<b>I. Expansion of facilities in the colleges</b>								
1. Govt. College, Dera Bassi (New Building)	.. 1975-76	27.34	35.50	15.50	9.04	11.50	1984-85	
2. Govt. College, Tanda (NCC Block)	.. 1970-71	1.00	1.20	0.75	0.27	—	1983-84	
3. Govt. College Ajnala (cost of internal road)	1973-74	4.00	4.00	—	—	4.00	1984-85	
<b>II. Improvement of existing colleges</b>								
4. Govt. College, Gurdaspur (6 class room)	.. 1979-80	2.17	3.50	2.57	1.15	—	1983-84	
5. Ditto (Post-graduate Block)	.. 1980-81	3.02	4.50	3.02	—	—	1983-84	
6. Govt. College, Sunam (Principal's residence)	.. 1979-80	0.90	1.25	—	—	—	1983-84	
7. Govt. College, Sunam (class rooms)	.. 1977-78	3.75	4.00	4.30	1.66	1.60	1984-85	
8. Installation of Tubewell Govt. College, Ludhiana	.. —	4.65	—	—	2.00	2.65	1984-85	
9. Govt. College, Zira (Cycle stand/canteen)	1977-78	2.50	4.00	—	0.20	1.00	1984-85	
10. Installation of Tubewell at Govt. College, Zira	.. 1977-78	3.39	4.80	—	—	—	1983-84	
11. Govt. Bikram, College Patiala (Principal's residence)	.. / 1979-80	1.22	1.75	1.00	0.22	0.10	1984-85	
12. Govt. College Nihal Pattran (compound wall)	.. 1979-80	1.35	2.00	1.16	0.84	—	1983-84	
13. Govt. College Patti, (Internal Road)	.. 1977-78	0.39	0.75	—	—	—	1983-84	
14. Govt. College Malerkotla (Class room and Cycle stand)	.. 1980-81	6.23	8.00	3.84	5.35	0.55	1984-85	
15. Govt. College Ludhiana, (commerce wing)	.. 1979-80	7.42	12.00	2.21	6.40	0.70	Do	
16. Govt. College Bhatinda (3 class rooms)	—	2.73	4.80	4.80	—	1.20	Do	
<b>III. Hostels in Govt. Colleges</b>								
17. Hostels for Govt. College, Gurdaspur	.. 1973-74	2.44	2.44	2.15	—	2.20	Do	
18. Govt. College for Women Amritsar (Add. Hostels Buildings)	.. 1975-76	5.67	12.00	0.50	1.58	9.92	Do	
19. Govt. College, Ludhiana (Girls Hostels)	.. 1976-77	3.37	8.00	5.70	0.70	1.60	Do	
20. Govt. College, Bhatinda (Additional Hostel)	.. 1980-81	6.78	9.00	3.14	3.51	1.00	Do	
<b>IV. Libraries</b>								
21. District Library Sangrur	.. 1980-81	13.78	13.78	2.50	5.00	5.40	Do	
Total						41.42		

## Science And Technology

During the year 1983-84 the Department of Science and Technology started functioning. The main areas/functions to be covered by it are as follows :—

- (i) Identification of new technology for Agriculture and Industry.
- (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.

10.2. During the year 1983-84 an outlay of Rs. 20.00 lakhs is provided for the implementation of the schemes namely, subsidy for wind pumps (Rs. 3.00 lakhs) Pilot Thermal Power Stations exclusively based on agricultural wastes (Rs. 5.00 lakhs) and subsidy for sponsored research for applied science and technology including consultancy studies (Rs. 12.00 lakhs). The schemes are under various stages of implementation. For the year 1984-85 an outlay of Rs. 25.00 lakhs is proposed for the implementation of the schemes given in the following paragraphs :—

10.3. **Installation of flow turbines :** The intermediate Technology Group of Government of U. K. Ministry of Overseas Development has been in touch with Punjab Government and has mentioned the possibility of installing simple flow turbines for generating small quantities of electricity along canals for use in rural sector in the State. These turbines are expected to cost Rs. 20,000 each. Ten sites are proposed to be identified for tapping electricity directly from these turbines to energise the abadis inhabited by low income groups and also for providing power for small industries including power looms, rice hullers, flour mills, etc. A provision of Rs. 2.00 lakhs is proposed for fixing such installations at

10 sites in the State during 1984-85. This will be a more useful addition to the electrification possibilities for the rural areas which are presently receiving hardly 6—8 hours supply from the normal electricity grids.

10.4. **Installation of Solar Thermal Water Heating Panels :** Solar Thermal Water heating Panels help a lot in saving fossil fuel like wood, coal, kerosene oil and also electricity which is consumed in heating water for various purposes. These heaters can supply hot water at a temperature of 55°C to 60° C regularly 24 hours. It is proposed to subsidise installation of Solar Thermal Water Heating Panels on the roofs of Community and public buildings like hospitals, schools, hostels for students etc., at 40 percent subject to a maximum of Rs. 15,000 in an individual case. An outlay of Rs. 4.50 lakhs is proposed for the subsidy in this regard.

10.5. **Installation costs for Wind pumps:** Under the scheme of the Government of India, while some wind pumps and photo voltaic panels to be installed in public places for demonstration purposes are to be supplied free by the Department of Science and Technology, Government of India, the costs of civil works and installation of these demonstration equipment have to be borne by the State Government. It is proposed that during the year 1984-85 such installations may be made at 25 sites in the State. The installation charges per site are expected to be about Rs. 6000. Consequently a provision of Rs. 1.50 lakhs is proposed for this scheme to meet the local installation charges.

10.6. **Grant-in-aid to the Punjab State Council for Science and Technology:** The Punjab State Council for Science and Technology has been set up and it has been registered as a Society under the Societies Registration Act, 1860 with effect from 21st July, 1983. It's non-official members include eminent scientists having varied experience which can be gainful to the needs of the Punjab State in Research and Development schemes. To make effective use of the existing scientific and technological institutions and infrastructure in the State it is proposed to provide grants for specific schemes projects, research activities to various specialised

institutions in the State including National Laboratories in other parts of the country to study problems regarding scientific/technical solutions which are currently not available. An outlay of Rs. 10.00 lakhs is proposed for this scheme for the year 1984-85.

**10.7. Meteorological Satellite Ground Station :** The economy of the Punjab State depends upon farming and weather is the most important factor determining its success or failure. Therefore, a regular information of the coming weather to the farmers is very important. An accurate and timely forecast available to the farmers can help them to adjust their farm operations and help minimising the losses to the standing and harvested crops. In view of the advance information about coming weather, costly inputs like fertilizers, herbicides and insecticides can carefully be used.

10.8. INSAT-1B is already in the orbit and is transmitting weather information. If the weather pictures from the weather satellite are regularly

received at the Punjab Agricultural University, this information can be aired through Radio and Television. Meteorological satellite ground station which costs about Rs. 10 lakhs can receive cloud pictures from Geostationary satellite and the orbiting Satellite. It is therefore, proposed to earmark Rs. 2.50 lakhs for setting up of Meteorological satellite ground station during 1984-85.

**10.9. Technical and Secretariat Staff :** The Department of Science and Technology was set up at the Secretariat level with effect from 25th March, 1982 with meagre staff. Now, the Punjab State Council for Science and Technology has been established and it is a registered Society under the Societies Registration Act, 1860 with effect from 21st July, 1983. To equip this society to function effectively, technical and Secretariat staff with its Director Principal Scientific Officer, Seniore Scientific Officers etc. accommodation, furniture and fixtures cards, type writers etc. are required. An outlay of Rs. 4.50 lakhs is proposed for the recurring and non-recurring expenditure.

## Environmental Programme

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. 15.00 lakhs has been proposed for this new programme in the Annual Plan 1984-85. Schemes proposed for implementation are given in the succeeding paragraphs.

**11.2. Monitoring of Dust, Air and Gaseous pollution:** A scheme has been framed for the monitoring of air and dust pollution in three cities of Punjab at a total cost of Rs. 31.05 lakhs out of which Rs. 28.55 lakhs shall be the expenditure on equipment etc. This scheme is to be operative for a period of five years. The monitoring of gaseous pollution caused by gases like sulphur dioxide, carbon monoxide and nitrous oxides has also to be added to this scheme. For collecting the samples in the cities the help of students from colleges and Universities shall be taken so as to create an awareness about the environmental pollution among the students and the general public. An outlay of Rs. 10.00 lakhs is proposed for the year 1984-85 to start the scheme in one city.

**11.3. Study of Emission of smoke and other**

**pollutant gases:** This scheme involves the determination of air pollution being caused in the cities by petrol and diesel driven vehicles. Samples of automobiles exhausts can be taken by fitting instruments to the vehicles and the collection of these samples can be done by the students of colleges and Universities. The analysis of the samples and the data collected shall be done by the C.S.I.O. The cost of operating the scheme for a period of three years has been estimated to be Rs. 12.50 lakhs for one city. An outlay of Rs. 4.00 lakhs is proposed to initiate the scheme during the year 1984-85.

**11.4. Environment Board/Committee :** The State Government have constituted the Punjab State Environment Board and Programme Committee on Environment. These have official and non-official members. The non-official members have been included to have their valuable suggestions/discussions based on their technical and scientific qualifications and experience. In the public interest they are to be treated as class I officers for purposes of TA/DA. It is therefore, necessary to earmark some funds to meet the expenditure incurred on the meeting of the Board and Committee and TA/DA of its non-official members coming from different places to participate in the meetings. An outlay of Rs. 1.00 lakh is proposed for this scheme during the year 1984-85.

## Public Health and Sanitation

Previously the emphasis has been on the expansion of health facilities/opening of new medical institutions in the State. By the close of 1982-83, 1547 subsidiary health centres, 130 primary 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 up-graded 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, it is felt that about 1300 subsidiary health centre 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. Operation theatre buildings S.G.T.B. hospital, Amritsar and Rajindra Hospital, Patiala have been constructed, machinery and equipment worth Rs. 3.20 crores would be needed to equip these operation theatres. The estimated cost of construction of building for Medical College, Faridkot is about 40.00 crores and an other 2.00 crore would

be needed to complete the allied work of operation theatre of S.G.T.B. Hospital, Amritsar and Rajindra Hospital, Patiala. Apart from this demand of Rs. 49.55 crores, there is spill over requirement of Rs. 117.25 lakhs for various works of the department.

Keeping in view the enormous requirement of funds, the emphasis have been laid on the completion of the spill over works and providing building and machinery to the existing institutions in a phased manner rather than adding to the number of Institutions.

12.2. The strategy in this sector is to lay stress on the improvement in the quality of health services rather than on expansion of Medical and health facilities. For 1984-85 an outlay of Rs. 1655.17 lakhs has been proposed for medical Education, Health, I.S.M. and Homoeopathy against the plan provision of Rs. 1350.00 lakhs in 1983-84. Provision under Non-Plan is Rs. 3846.38 Lakhs for 1983-85. Sector-wise details of the expenditure and outlay is given below :—

Sector	1980-81 Actual Exp.	1981-82 Actual Exp.	1982-83 Actual Exp.	Outlay 1983-84	Proposed outlay 1984-85
1	2	3	4	5	6
1. Medical Education and Research ..	359.92	263.84	232.42	398.00	462.90
2. Public Health ..	434.81	558.00	718.45	911.00	1136.10
3. I.S.M. ..	21.42	28.50	30.25	30.00	37.29
4. Homoeopathy ..	..	7.30	7.35	11.00	18.88
Total ..	816.15	857.64	988.47	1350.00	1655.17

**Medical Education and Research :**

12.1. There are five medical colleges in the State, of which three are State owned, one each at Amritsar, Patiala and Faridkot and two private Medical Colleges located at Ludhiana. Medical College, Faridkot was taken over by the Government in 1977-78. Sixty students were admitted in this college in 1976 for the first time. Admission was, however, stopped in 1977 pending the provision of adequate physical facilities and staff according to the norms of Medical Council of India. In 1979-80, admission was resumed as all the facilities had been provided according to the norms. The annual out-turn of medical graduates

is about 450 with the resumed admission to Guru Gobind Singh Medical College, Faridkot. The out-turn is sufficient for the requirement of public services as well as of the private sector. There is a State Dental College at Amritsar for training graduates and post graduates Surgeons and a Dental Wing is attached to the Medical College, Patiala.

12.3. Besides the under graduates courses, these colleges run degree and post-graduate courses, refresher courses for in-service doctors and also para-medical training courses for pharmacists, Laboratory Technicians, Radiographers and Nurses.

**12.4.** The intake of Medical/Dental Graduates in different colleges is given below :—

Medical Colleges	Graduates	Post Graduates including M.D. and M.S.
Medical College, Amritsar	150	74
Medical College, Patiala ..	150	99
Christian Medical College, Ludhiana ..	50	—
Daya Nand Medical College, Ludhiana ..	50	—
Guru Gobind Singh Medical College, Faridkot ..	60	—
<b>Total</b> ..	<b>460</b>	<b>173</b>
<b>Dental Colleges :</b>		
Dental College, Amritsar	30	5
Dental Wing, Medical College, Patiala ..	20	—
<b>Total</b> ..	<b>50</b>	<b>5</b>

**Medical Education and Research :**

**12.5.** An outlay of Rs. 462.90 lakhs has been proposed for the year 1984-85 to maintain the existing programmes.

**Medical Colleges :**

**(i) Medical College, Faridkot :**

**12.6.** In order to be able to provide some semblance of physical facilities, a crash re-phased programme of construction was chalked out for the current year and a provision of Rs. 80.00 lakhs was made to take some new works in hand. A sum of Rs. 74.00 lakh was also provided to continue the existing staff as also to provide additional staff for the 250 bedded new hospital made functional w.e.f. 15th July, 1983. A provision of Rs.

200.00 lakhs including Capital Component of Rs. 100.00 lakhs has been proposed for the year 1984-85 to maintain this hospital as also existing staff and for the completion of construction works like Boys Hostel, Nurses Hostel and boundary wall alongwith Ganda Nala near OPD approved as per norms of Medical Council of India.

**(ii) Medical College, Amritsar:**

**12.7.** A new Library-cum-Multipurpose Hall has already been constructed in the Medical College, Amritsar to make up the deficiency pointed out by M.C.I. Inadequacy of modern equipment has remained very critical and therefore some antiquated and unserviceable equipment needs immediate replacement because it is hampering the application of modern methods in teaching, research, investigations and treatment. A sum of Rs. 27.12 lakhs is being set aside for replacement of equipment and furniture and for continuation of the existing staff under the scheme during the year 1984-85, against the outlay of Rs. 20.00 lakhs on the revenue side in 1983-84.

**(iii) Medical College, Patiala :**

**12.8.** Against the existing outlay of Rs. 20.00 lakhs, an allocation of Rs. 27.63 lakhs is being proposed for the maintenance of existing staff, replacement of antiquated and unserviceable equipment and to equip the laboratory properly with the latest sophisticated equipment during 1984-85.

**(iv) Expansion and improvement of Dental College, Wing :**

**12.9.** An outlay of Rs. 5.50 lakhs has been provided for 1984-85 against the provision of Rs. 5.00 lakh in 1983-84 for the improvement of Dental College, Amritsar by providing the latest sophisticated equipments and for the staff sanctioned during 1980-81. Proposed outlay for 1984-85 is Rs. 3.00 lakhs for the Dental Wing for Medical College Patiala. This outlay is for the continuance of the staff sanctioned during 1980-81.

**12.10. Training facilities for para-medical staff :**

**12.10.** The out-turn of para-medical staff such as Nurses, pharmacists and radiographers, etc. is far short of the State's requirements. In order to cope with the requirement the number of seats in all such training classes is being increased. For this purpose a provision of Rs. 5.00 lakhs has been provided in the Annual Plan 1984-85 against



the approved outlay of Rs. 4.00 lakhs for 1983-84.

**Improvement and Expansion of the Teaching Hospital  
Expansion and Improvement of S.G.T.B. Hospital,  
Amritsar.**

**12.11.** A sum of Rs. 73.00 lakhs was provided for completion of the remaining portion of the Operation Theatre and construction of House Surgeons Quarters during 1983-84. Another sum of Rs. 30.00 lakhs was also provided for maintenance of the staff and providing necessary machinery and equipment. During the year 1984-85, a sum of Rs. 88.20 lakhs is being set aside. This includes an allocation of Rs. 48.00 lakh for the purchase of Machinery and equipment for the 3 Operation Theatres and for the maintenance of the staff.

**Expansion and Improvement of Rajindera Hospital,  
Patiala :**

**12.12.** An allocation of Rs. 77.70 lakhs is being provided for 1983-84 for the maintenance of the existing staff, expansion of the existing Glucose saline plant and to provide machinery and equipment for 2 Operation Theatre and additional staff for the 3 floors of the casualty block already completed.

Outlays of Rs. 3.00 lakhs and Rs. 2.50 lakhs have been proposed for T.B. Sanatorium, Amritsar and T.B. Centre, Patiala respectively for the year 1984-85, on the revenue side for the continuance of the staff sanctioned during 1979-80. However, a sum of Rs. 2.00 lakhs has also been provided on the Capital side for the prevention of water logging of the T.B. Centres, Patiala.

**Reorientation of Medical Education:**

**12.13.** It is a Centrally Sponsored Scheme. This scheme was first taken up in 1979-80. The Govt. of India provides one time assistance to the three medical colleges for attaching three development blocks with each Medical College for training students in community medicines. The salary of the staff after the first year and the purchase of medicines are required to be financed by the State. For this purpose an outlay of Rs. 17.25 lakhs has been provided for the year 1984-85.

**Public Health :**

**12.14.** In the field of Public Health, main emphasis is being laid during the Sixth Plan on

improving the quality health services to the community. The major thrust of the Public health programme is towards creating comprehensive and well structured health services. Against an outlay of Rs. 911.00 lakhs in 1983-84, a sum of Rs 1136.10 lakhs has been provided for the year 1984-85.

**Rural Health Services :**

**12.15.** The base of the structure is the Subsidiary Health Centre (Rural Dispensary). It has one doctor, one dispenser, 3 class IV employees and one male and one female multipurpose worker. It provides both preventive and curative services and also takes care of family welfare programme. There were 896 such dispensaries by the end of 1978-79 in the State. These dispensaries are being maintained under non-plan budget. 600 new dispensaries had been established by the end of 1982-83 and the target of providing one such dispensary per 10,000 rural population achieved, 30 more such dispensaries will be set up during 1983-84. Against the provision of Rs. 459.10 lakhs a sum of Rs. 490.00 lakh including capital component of Rs. 40.00 lakhs is being set aside for maintenance of 680 dispensaries. The target for the year 1984-85 is to open 30 more dispensaries.

At present about 1300 subsidiary Health Centres are without buildings. The cost of providing dispensary building, indoor and staff quarter is 1.00 lakhs, 2.50 lakh and 2.50 lakh respectively. To provide complete building indoor and residential quarter to 1300 dispensaries a provision of Rs. 78.00 crore would be required. In order to provide the functional building it is proposed to cover the first phase of the dispensary building. For this purpose, a provision of Rs. 30.00 lakhs has been made for 1984-85 to provide buildings for 20 dispensaries. Apart from it a sum of Rs 9.45 lakhs has been set aside for completion of 15 dispensaries buildings during 1984-85. Work-wise details in annexure I.

Out of 130 PHCs in the state building of 109 PHCs are complete. The work in other 8 PHCs is under progress and is likely to hang over to the year 1984-85. To complete these works the provision of Rs 31.00 lakhs has been proposed. Workwise detail in annexure II. The matter of providing buildings remaining 13 PHCs will be taken up during the Seventh Five-Year Plan,

**12.16.** 25 bedded rural hospital at the block level is the second tier of the envisaged structure. It will serve as the first referral institution for the rural dispensaries. So far 111 block level 25 bedded hospitals have been established. An outlay of Rs. 60.00 lakhs has been earmarked in 1984-85 to continue the existing hospitals. Well-equipped tehsil and district hospitals form the apex of the structure.

**12.17.** By the end of 1981-82, 118 dental clinics were established at the block level in the State. During the year 1983-84 the remaining 15 blocks are to be covered under this scheme by establishing 15 more dental clinics to cover the entire state by providing one dental clinic at the block level in the state. An outlay of Rs. 15.00 lakhs has been earmarked for the year 1984-85 to continue the dental clinics opened during 1979-80, 1980-81, 1981-82 and 1983-84.

#### **Health facilities in Urban Areas :**

**12.18.** Teaching hospitals at district headquarters of Amritsar, Patiala and Ludhiana have more than 1,000 beds each. District headquarters towns of Jullundur and Faridkot have 400 and 200 beds, respectively. The remaining 7 district headquarters have 100 bed hospitals. All the sub-divisional/tehsil headquarters have been provided with 50-bed/25-bed hospitals and in the remaining towns medical facilities vary from a dispensary to a small hospital. An outlay of Rs. 104.80 lakhs including capital component of Rs. 77.80 lakhs has been proposed for the year 1984-85 against the provision of Rs. 86.50 lakhs in 1983-84. However, this outlay of Rs. 77.80 lakhs is sufficient to meet fully the spill over requirements of Nakoder, Fatehgarh Sahib, Ferozepur, Abohar, Mukerian, Gidderbaha and Dhuri Hospitals. Work-wise detail is given in Annexure III.

**12.20.** Another important programme is the opening of new dispensaries in the Urban Slum Areas and in other suitable localities to relieve the pressure on the out door patients departments in the existing hospitals. An outlay of Rs. 16.00 lakhs has been earmarked to continue the dispensaries opened during 1979-80, 1980-81 and 1981-82. An outlay of Rs. 15.25 lakhs has been proposed to continue the provincialised dispensaries and to provincialise 2 more dispensaries.

#### **Control/Eradication of Communicable Diseases :**

**12.21.** 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 Government and the Government of India. Accordingly an allocation of Rs. 253.50 lakhs has been proposed in the Annual Plan 1984-85 as State share for the implementation of these schemes.

#### **Other Programmes :**

**12.22.** The Community Health Volunteers schemes was initiated in Punjab in 20 blocks. It was discontinued from 1st April, 1979 being of doubtful utility and stress has been laid on the Multipurpose workers scheme. Under the scheme one sub-centre, manned by one male and one female multipurpose workers is provided for every 5,000 rural population. The entire State of Punjab had been covered under the Multipurpose workers scheme by the end of March, 1980.

**12.23.** 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 got repaired at a heavy cost from the open market. In view of this a repair and maintenance unit in the State was set up in 1979-80 at a cost of Rs. 5.77 lakhs. A sum of Rs. 3.00 lakhs has been proposed for the maintenance of this scheme during 1984-85.

**12.24.** With a view to strengthening the State Health and District level laboratories, a provision of Rs. 3.00 lakhs has been made in the Annual Plan 1984-85 against the current year's outlay of Rs. 0.80 lakh.

**12.25** In order to strengthen the Health Statistical Organisation in the Directorate, an outlay of Rs. 3.60 lakhs has been proposed in the Annual Plan 1984-85 against the provision of Rs. 2.75 lakhs for the year 1983-84 to continue the staff sanctioned during 1980-81.

**12.26.** It is proposed to Control spread of diarrhoe mostly amongst the children below three years and adults by administering rehydration powder to the suffering patients. This scheme was started during 1981-82. An outlay of Rs. 2.00 lakhs has been proposed for the purchase of rehydration powder in the Annual Plan 1984-85.

**12.27.** 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 fund. for this purpose, an outlay of Rs. 65.00 lakhs has been proposed for the year 1984-85 to cover 1.30 lakhs cases.

12.28. The scheme for the Employees' State Insurance Corporation has been neglected in the past. Even though for every rupee provided by the State Government the Corporation provides seven rupees. A sum of Rs. 18.75 lakhs has been proposed in 1984-85 as State share.

#### **Indian System of Medicines**

12.29. In the past a policy of drift has been followed with regard to Ayurvedic and Indian Systems of Medicines. Indian Systems of Medicines could not have a fair chance to prove their worth because the provision for these systems was inadequate. A sum of Rs. 37.29 lakhs has been proposed in the Annual Plan 1984-85 for the maintenance of the existing programme.

12.30. The main aim is to consolidate the existing services and make up the persisting deficiencies.

12.31. Brief details of the programmes included in the Annual Plan are as under:—

#### **Strengthening of existing I.S.M. Dispensaries**

12.32. The existing I.S.M. Dispensaries which continue to be ill-equipped because of paucity of funds will be developed by providing additional medicines worth Rs. 2,000 per year and furniture/equipment worth Rs. 1500 per dispensary. For this purpose an outlay of Rs. 2.00 lakhs has been earmarked in the Annual Plan 1984-85.

#### **Opening of I.S.M. Dispensaries :**

12.33. A sum of Rs. 25.00 lakhs has been proposed in the Annual Plan 1984-85 against the outlay of Rs. 21.00 lakhs in 1983-84 to continue the dispensaries opened during 1979-80, 1980-81 and 1981-82.

#### **Improvement and expansion of Government Ayurvedic College, Patiala.**

12.34. Two departments of the College have already been strengthened. A unit each in Yoga and Nature Cure opened in 1979-80 will be continued. An outlay of Rs. 1.19 lakhs is proposed in 1984-85 for this purpose.

#### **Improvement and expansion of Government Ayurvedic Pharmacy, Patiala**

12.35. An outlay of 2.85 lakhs has been proposed for 1984-85 for the continued component only and out of this Rs. 1.50 lakhs has been proposed for capital component.

#### **Strengthening of the Directorate**

12.36. Outlay of Rs. 1.00 lakhs has been proposed out for 1984-85 to continue the staff sanctioned during 1980-81.

#### **Strengthening of District Headquarters Staff**

12.37. In order to ensure the proper working of the District Offices and effective inspection of the dispensaries and proper implementation of the programme it is planned to provide some minimum staff viz. one superintendent, two assistants, two clerks and a vehicle at each district office. The component of the scheme already sanctioned in 1979-80 would be continued during 1984-85. A provision of Rs. 2.00 lakhs has been made for the year 1984-85.

#### **Setting up of Ayurvedic Hospital at Bhatinda**

12.38. An outlay of Rs. 2.25 lakhs has been provided to start a 10-bedded Ayurvedic hospital at Bhatinda during the year 1984-85 in a building donated by Seth Kasturi Lal of Bhatinda to Government.

#### **Homoeopathy**

12.39. The State Government on the pattern of the Union Government like some other States have established a separate Directorate of Homoeopathy during 1980-81. An outlay of Rs. 18.88 lakhs has been proposed in the Annual Plan 1984-85 for the existing programmes.

#### **Strengthening of State Headquarters staff.**

An outlay of Rs. 2.38 lakhs has been proposed in the Annual Plan 1984-85 for the staff sanctioned during 1980-81.

#### **Opening of Homoeopathy Dispensaries**

Seven Homoeopathy Dispensaries were opened during the year 1979-80. The number of such dispensaries opened during 1980-81 and 1981-82 is 9 and 8 respectively. A provision of Rs. 16.50 lakhs is being set aside for the maintenance of these 24 dispensaries during the year 1984-85.

## ANNEXURE I

## List of Subsidiary Health Centres

(Rs. in lakhs)

Serial No.	Names of the Subsidiary Health Centres	Amount of funds required
1	Dina Nagar	.. 0·13
2	Paharpur Samloh (Ropar)	.. 0·20
3	Lodhi Majra	.. 0·50
4	Matewara (Ludhiana)	.. 0·10
5	Dholbaha	.. 0·70
6	Sansar Kalan	.. 0·70
7	Kakrala (Ropar)	.. 0·70
8	Kot Bhai	.. 0·70
9	Maina	.. 0·70
10	Jadla (Jalandhar)	.. 0·60
11	Zand	.. 0·12
12	Dhar Kalan	.. 3·30
13	Behrampur	.. 1·00
	Total	.. 9·45

## ANNEXURE II

List of Primary Health Centres for which funds are required during the year 1984-85

(Rs. in lakhs)

Serial No.	Names of the Primary Health Centres	Amount of funds required
1	Jamsher Khas	.. 0.60
2	Jandiala (Jalandhar)	.. 6.00
3	Mainwind	.. 3.30
4	Kalanaur (Gurdaspur)	.. 3.89
5	Fatehbad	.. 0.45
6	Manupur (Ludhiana)	.. 10.50
7	Fatehgarh Churian	.. 4.00
8	Nandpur Kalaur	.. 2.00
	Total	.. 30.74

## ANNEXURE III

## Upgradation of Existing Hospitals during the year 1984-85

		(Rs. in lakhs)
Serial No.	Name of the Civil Hospital	Amount of funds required
1	Civil Hospital, Nakodar	.. 2.60
2	Civil Hospital, Fatehgarh Sahib	.. 33.00
3	Civil Hospital, S.A.S. Nagar	.. 5.00
4	Civil Hospital, Ferozepur. Expansion and completion of OPD Block	.. 5.00
5	Civil Hospital, Abohar	.. 3.60
6	Civil Hospital, Mukerian (1st Phase completed)	.. 8.00
7	Civil Hospital, Ludhiana	.. Not allowed
8	Civil Hospital, Gidderbaha	.. 10.00
9	Civil Hospital, Dhuri	.. 10.60
10	Civil Hospital, Guru Sir Mandir	.. 2.58
11	Lakhan Khas Civil Hospital	.. 2.00
12	Civil Hospital, Sultanpur Lodhi	.. 6.92
	Total	.. 77.80

} allowed for his component

Rs 77.80 lakhs proposed by the Planning Department for 1984-85.

# 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 meters) ; or
- (ii) the villages where the source of water supply are 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 3,712 identified scarcity villages in the State. Out of these villages 2152 villages were provided piped water supply by the end of 1982-83.

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 meters and a skeleton distribution system catering to public stand posts only. In 1976 the criteria were further liberalised to 15 gallons (70 litres) per head per day and terminal pressure of 8 meters. According to revised criteria the augmentation of water-supply to the already commissioned villages alone require an additional

sum of Rs. 40.00 crores. Yearwise expenditure incurred since 1974-75 is given below :—

### Minimum Needs Programme

Year	Expenditure (Rs. in crores)
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
Total	.. 49.98

### 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
Total	6.23
Gand Total	.. 56.21

Physical progress of the Rural Water-Supply Programme is given below :—

		No. of villages	
		Commis- sioned	Work In progress at the end of the year
Upto	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
Total		2,152	

\*Includes certain Tikas hemlets, which were part of the revenue villages, but were counted as separate villages earlier.

\*\*The work in additional 199 villages was initiated during the year.

13.4. By March 1983 water-supply scheme had been commissioned in 2152 villages at a cost of Rs. 56.21 crores. During 1983-84, an outlay of Rs. 8.00 crores has been provided to cover additional 125 villages under this scheme.

13.5. Keeping in view the importance of the scheme under 20 Point Programme and the Minimum Needs Programme, it has been decided to enhance the outlay from Rs. 8.00 crores in 1983-84 to Rs. 9.00 crores to cover 165 villages. After conducting a review of this scheme, it has been decided to give top priority to the covering of those villages, where the water supply is endemic to water borne diseases or suffers from excess of salinity,

iron or flouride, etc. At present the schemes in respect of 516 villages have already been approved and the work in those villages is in progress. Out of these villages 412 villages have been identified as health hazard villages in the state. There are 386 more health hazard villages in the state for which the water-supply schemes are yet to be approved. An outlay of Rs. 10.00 crores has been proposed for this scheme during 1984-85. It is proposed to commission water supply in 200 health hazard villages (165 under MNP+35 under ARP) as against commissioning of water-supply in 165 villages during 1983-84. A liberal allocation under ARP is needed to cover at least the health hazard villages by the end of Sixth Five-year Plan as envisaged under 20 Point Programme and Minimum Needs Programme.

#### Low Cost Sanitation.

13.6 A token provision of Rs. 1.00 lakhs has been proposed for 1984-85 in respect of this scheme. The provision will be reviewed after finalising the details of the scheme.

#### Urban Water Supply and Sewerage :

13.7 There are 129 towns in the state having population of 45.39 lakhs. Out of these water supply in part of 79 towns covering a population of about 27.47 lakhs and sewerage in part of 55 towns covering a population of about 16.38 lakhs was introduced by March, 1980. Government of India indicated that piped water supply and underground sewerage may be provided to the entire population of the State during International Water Supply and Sanitation Decade i. e. 1981-90. The Punjab Water Supply and Sewerage Board which is implementing these schemes in urban areas would require Rs. 313 crores (Rs. 135.00 crores for water supply and Rs. 178 crores for Sewerage) for this purpose. During 1980-81, 1981-82 and 1982-83, expenditure of Rs. 17.30 crores, Rs. 16.60 crores and Rs. 11.14 crores was incurred to provide water supply and sewerage facilities in the state. The main expenditure under this sub-head was for the implementation of IDA project for providing water supply and sewerage facilities in 8 towns. A provision of Rs. 5.51 crores has been made during 1983-84 for implementation of Water Supply and Sewerage Schemes through Punjab Water Supply and Sewerage Board.



13.8. Since no provision for IDA project during the year 1984-85 is being proposed, an outlay of Rs. 8.46 crores only has been proposed for the implementation of following Urban Water Supply and Sewerage Schemes in the State. Scheme-wise outlays are given below :—

Sr. No.	Name of the Scheme/Project	Provision (Rs. in lakhs)
1	2	3
1	LIC Water Supply and Sewerage Project (2nd Package and 3rd Package)—	
	(i) (LIC loan ..	240.70
	(ii) Govt. of Punjab (Loans to M.C's) ..	100.00
	Total ..	340.70
2	Other Water Supply Schemes ..	250.00
3	Other Sewerage Schemes ..	125.00
4	Sewage Sullage utilisation Scheme ..	7.70
5	Sewerage Treatment Plants ..	10.00
6	UNDP Project for Low cost Sanitation ..	13.30
	Total ..	746.70

13.9. It is proposed to provide an equity of Rs. 100.00 lakhs to the Water Supply and Sewerage Board, which is implementing these schemes for the completion of IDA Project and for implementation of other Water Supply Schemes during 1984-85.

#### World Bank Project :

13.10. This project is being implemented in 8 towns of the State namely Amritsar, Ludhiana, Jalandhar, Patiala, Bhatinda, Rajpura, Pathankot

and Moga at a cost of Rs. 66.70 crores. 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 etc., the project is likely to be completed by March, 1984. The financing pattern of the project is given below :

1. I.D.A. (35 per cent)	—	22.61 crores
2. State Govt. Share (15 per cent)	10.07	crores
3. L.I.C. (20 percent)	—	13.00 crores
4. Municipal Corporations/Committees (30 per cents)	—	21.02 crores
Total	—	66.70 crores

13.11 Out of Rs. 32.68 crores (Rs. 22.61 crores + Rs. 10.07 crores IDA and Govt. of Punjab shares), an amount of Rs. 8.60 crores (Rs. 0.60 + 8.00 crores) was provided during 1978-79 and 1979-80. During 1980-81, additional amount of Rs. 11.60 crores (including LIC loan of Rs. 331.00 lakhs) was provided to the Board. These amounts have already been expended. The LIC has released a loan of Rs. 2.137 crores upto March, 1980 against the total share of Rs. 13.00 crores.

13.12. During 1981-82, an additional amount of Rs. 940.00 lakhs (as IDA and Government 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 LIC share. During 1982-83, an amount of Rs. 9.09 crores (including LIC loan of Rs. 2.70 crores) has been expended for this project. Since total amount of IDA loan and Punjab Government share was provided to Water Supply and Sewerage Board by the end of 1982-83, no outlay for this project is being proposed for 1984-85, for implementation of IDA project.

13.13. Out of the total requirements of Rs. 8.00 crores to be provided as equity for the project, Rs. 5.33 crores were provided to Water Supply Sewerage Board upto March, 1983.

13.14. During 1983-84 a provision of Rs. 100.00 lakhs has been made for this purpose. An additional amount of Rs. 100.00 lakhs has been proposed for 1984-85.

### LIC Project.

13.15. Besides the IDA Project, LIC has sanctioned 27 Water Supply and Sewerage Schemes at an estimated cost of Rs. 12.00 crores with a LIC loan of Rs. 8.00 crores. Two third of the cost is proposed to be met out of LIC loan and 1/3rd will be contributed by the concerned MC's.

13.16. During 1980-81, an amount of Rs. 3.10 crores (Rs. 2.50 crores as LIC loan and Rs. 0.60 crores as Punjab Government loan to MCs.) was expended for this purpose. An expenditure of Rs. 210.00 lakhs and Rs. 150.00 lakhs was incurred during 1981-82 and 1982-83. In Annual Plan 1983-84, a sum of Rs. 150.00 lakhs has been provided for this purpose. An outlay of Rs. 141.00 lakhs (Rs. 50.00 lakhs as state loan & Rs. 91.00 lakh Rs L.I.C. loan) has been proposed during 1984-85, for completion of the 2nd package LIC project. Since the LIC 2nd package project is nearing completion and LIC 3rd package project has been proposed to be implemented in 22 towns with an estimated cost of Rs. 8.00 crores during 1984-85. An Additional outlay of Rs. 199.70 lakhs (Rs. 149.70 lakh LIC loan and Rs. 50 lakh as state loan) has been proposed for the implementation of 3rd package LIC aided Water Supply and Sewerage Project. The towns covered under 2nd and 3rd LIC aided Water Supply and Sewerage projects and the estimated cost of Water Supply and Sewerage schemes is given in Annexure I and II.

### Other Water Supply and Sewerage Schemes.

13.17. During 1980-81 and 1981-82, an expenditure of Rs. 80.00 lakhs and 75.00 lakhs (60.00 lakhs and Rs. 45.00 lakhs for water supply and Rs. 20.00 lakhs and 30.00 lakhs for Sewerage schemes) was incurred in towns not covered under IDA and LIC projects. This programme is proposed to be continued on an extensive scale after the completion of World Bank Project. As such a sum of Rs. 250.00 lakhs (Rs. 125.00 lakhs for Water supply and Rs. 125.00 lakhs for Sewerage) has been provided for 1983-84. During 1984-85 enhanced outlay of Rs. 375.00 lakhs (Rs. 250.00 for water supply schemes plus 125.00 lakhs for sewerage schemes) has been proposed for these schemes. Water supply and Sewerage Board will raise loan from LIC/ HUDCO in respect of these schemes also.

### Sewage Sullage Utilisation.

13.18. The Government of India sanctioned 65 (61+4) schemes costing Rs. 6.00 crores (Rs. 3.45 crores +2.55 crores) with a central subsidy of Rs. 199.39 lakhs (Rs. 115 lakhs + 84.39 lakhs) under a Centrally Sponsored Scheme, which was subsequently transferred to the State. Under this scheme 1/3rd subsidy is to be released on basis of actual expenditure incurred by the MC's. During 1980-81, 1981-82 and 1982-83, Rs. 30.00 lakhs, Rs. 25.00 lakhs and Rs. 5.00 lakhs were expended for this purpose. A provision of Rs. 30.00 lakhs has been made during 1983-84 in order to meet the liability of subsidy on this account. During 1984-85, an outlay of Rs. 7.70 lakh has been proposed for the completion of this scheme.

### Setting up of Sewage Treatment plants.

13.19. During 1983-84, a token provision of Rs. 10.00 lakhs has been made for setting of sewage treatment plants. Same provision of Rs. 10.00 lakhs tentatively has been proposed for 1984-85 for this programme. This programme has already been taken up with Government of India for including this project in the pipeline for World Bank Assistance, as it is a subsidiary project of the World Bank aided Water Supply and Sewerage Project, being implemented in 8 towns of the State

### UNDP Project for Low Cost Sanitation :

13.20. The State Government has selected 6 towns namely Baretta, Mansa, Budhlada, Lehragagga, Jaitu and Maur for covering these towns under low cost sanitation programme. In addition 8 towns namely Pathankot, Hoshiarpur, Batala, Phagwara, Moga, Khanna, Sangrur and Bhatinda have also been selected under this programme. The total estimated cost of these towns is Rs. 3.77 crores, out of which Rs. 2.16 crores will be provided by Government of India and the balance amount will be made available by the State Government. Door to Door survey for the preparation of the feasibility report is in progress in these towns. An outlay of Rs. 11.00 lakhs has been provided for this purpose during 1983-84 and a tentative outlay Rs. 13.30 lakhs is being proposed for 1984-85.

## ANNEXURE—I

List of Water Supply and Sewerage Schemes sanctioned by L.I.C. and being implemented in the State.

(Rs. in lakhs)

Sr. No.	Name of Scheme	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 ..	51.74	71.07	122.81
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	Kurahi ..	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 under Process for 3rd Package L.I.C. Project

(Rs. in lakhs)

Estimated Cost of the Scheme				
Sr. No.	Name of the Town	Water Supply Scheme	Sewerage Scheme	Total
1	2	3	4	5
1	Taran-Tarn ..	35.50	50.71	86.21
2	Dhariwal ..	21.87	—	21.87
3	Nabha ..	25.00	25.00	50.00
4	Sangrur ..	15.00	—	15.00
5	Ahmedgarh ..	—	45.00	45.00
6	Dhuri ..	—	45.00	45.00
7	Budhlada ..	—	50.00	50.00
8	Dhanaula ..	15.00	30.00	45.00
9	Patran ..	—	30.00	30.00
10	Samana ..	—	30.00	30.00
11	Bhucho ..	27.11	—	27.11
12	Goniana ..	38.98	—	38.98
13	Raman ..	—	19.80	19.80
14	Faridkot ..	—	50.00	50.00
15	Jaitu ..	—	40.00	40.00
16	Malout ..	—	30.00	30.00
17	Dasuya ..	50.00	—	50.00
18	Mukerian ..	—	50.00	50.00
19	Morinda ..	47.34	—	47.34
20	Dera Bassi ..	20.00	—	20.00
21	Bassi-Pathana ..	20.00	—	20.00
22	Banur ..	15.00	—	15.00
Total :		330.81	494.71	825.52

## STATEMENT

## Urban Water Supply Sanitation Schemes—

Serial No.	Name of the Individual Project	Location and Brief objectives and scope of the project and year in which project was started	Estimated cost	Actual expenditure upto the end of fifth plan	Actual expenditure up to 31-3-83 (including (Col. 5)
1	2	3	4	5	6
1	Punjab Water Supply and Sewerage Project (IDA Project)	8 cities/towns namely Amritsar, Jullundur, Ludhiana, Patiala, Rajpura, Bhatinda, Pathankot & Moga  Project started during February, 1979 (78-79)  The Project aims to augment water supply and Sewerage in 8 towns mentioned above.	6677.00	986.00	4984.00
2	Water Supply of 9 towns covered under L.I.C. 1st package	9 towns namely Mansa, Sirhind, Samana, Gidderbaha, Phillaur, Lehragaga, Kotkapura & Hoshiarpur	481.49	314.57	432.97
3	Water Supply and Sewerage Schemes of 27 towns covered under L.I.C. 2nd package.	27 towns mentioned in annexure  The Project started during April, 1981  It aims to augment water supply in 27 towns and sewerage in 11 towns of the State mentioned in annexure	1206.46	..	730.98
(i)	3rd Package under process	22 Towns	825.52	..	..
4	Continuing Water Supply Schemes (Non-IDA & Non-LIC)	Throughout Punjab	1808.85	Not available	1029.02
5	Continuing sewerage scheme Non-IDA & Non-LIC	Ditto	2120.07	Ditto	985.47
6	Sewage/Sullage Utilisation Schemes	64 towns of the state The project is to step up the utilisation of manurial resources and utilise sewage for agricultural purpose.	600.47	137.42	343.16
7	Setting up of Mechanical Compost Plants	3 towns namely Ludhiana, Jullundur and Amritsar.	192.00	—	—
8	Setting up of sewage Treatment Plants in the 8 towns covered under ongoing IDA Project	8 towns namely Amritsar, Jullundur, Patiala, Ludhiana, Rajpura, Bhatinda, Moga and Pathankot.	4500.00	—	—
9	UNDP Project covering 6 towns of the State.	1. Beretta, 2. Mansa, 3. Budhlada, 4. Maur, 5. Lehragaga and 6. Jaitu.	—	—	—

WS-I

Annual Plan, 1984-85

(Rs. in lacs)

Likely Expdr. during 1983-84		Requirement of funds during 1984-85			L.I.C. loan		Required during 1984-85
State Plan resources	Other resources	State Plan resources	Other resources	Total to be availed of	Availed up to 1982-83	Availed during 1983-84	
7	8	9	10	11	12	13	14
	1401.00 (LIC : 389.31 MCs. contribution 1011.69)	—	—	1300.00	910.69	389.31 (Anticipated)	—
	28.52 (M.Cs. contribution)	—	—	325.00	325.00	—	—
50.00 (GOP loan)	100.00 (LIC 17.14) (MCs. deposits)	50.00 (GOP)	91.00 (LIC) 60.00 (MCs deposits)	804.30	513.30	200.00	91.00
	117.14		151.00				
		50.00 (GOP)	149.70 40.00 M.C.		—	—	149.70
125.00	20.00 (MCs. deposits)	250.00	40.00 (MCs.)	—	—	—	—
125.00	39.00 (MCs. deposits)	125.00	20.00 (MCs.)	—	—	—	—
30.00	19.71 (MCs. deposits)	7.70	15.00 (MCs.)	—	—	—	—
—	—	—	—	—	—	—	—
10.00	—	10.00	40.00 (MCs.)	—	—	—	—
11.00	—	13.30	—	—	—	—	—

## Urban Development and Housing

### Urban Development

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 order to check disequilibrium between the pace of urbanisation and urban facilities/civic amenities, a sum of Rs. 2660.00 lakhs has been provided for various schemes of urban development during the Sixth Five Year Plan 1980—85. During 1980-81, 1981-82 and 1982-83, expenditure of Rs. 641.97, 395.68 and 551.76 lakhs respectively was incurred. During 1983-84, an outlay of Rs. 498.00 lakhs has been provided under various programmes of urban development. An outlay of Rs. 1,017.90 lakhs has been proposed under sub-head urban development during 1984-85. The increase in outlay has been proposed mainly under scheme urban Estates due to increased cost of acquisition/development of land, enhanced compensation decreed by the Courts, and huge funds required for developing the semi-developed land in order to raise resources/receipts through sale of Plots.

### Urban Estates

14.2. 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 was decided to constitute an Urban Development Authority for the co-ordinated acquisition and development of land activity in the urban areas of the state. It will, however, take some time before the Urban Development Authority takes its final shape. During 1979-80, an expenditure of Rs. 429.00 lakhs was incurred for the development of 430 acres. During 1980-81, additional land of 255 acres was developed with an expenditure of Rs. 477.97 lakhs. An expenditure of Rs. 201.43 lakhs was incurred during 1981-82 on the acquisition of 263 acres of additional land and for the development of 600 acres of already acquired land. An expenditure of 399.76 lakhs has been incurred during 1982-83 for development of 340 acres of semi-developed land. Due to certain procedural constraints the Urban

Development Authority could not come into being upto now. During 1983-84, a provision of 229.00 lakhs has been made for the development of 380 acres of already acquired and semi-developed land. An outlay of Rs. 770.00 lakhs detailed below has been proposed under scheme Urban Estates during 1984-85:—

	(Rs. in lakhs)
1. Payment of enhanced compensation of land ..	150.00
2. Payment of super-structure on the acquired land ..	70.00
3. Augmentation of Water Supply at SAS Nagar; with canal water from Morinda ..	50.00
4. Development of semi-developed land ..	399.99
5. Land acquisition ..	100.00
6. Token provision for setting up of town at Ranjitgarh ..	0.01
Total ..	770.00

14.3. It may be pointed out that due to constraint on resources a modest amount of Rs. 100.00 lakhs could be proposed for the fresh acquisition of 250 acres of land against a requirement of about 8.00 crores for announcing the awards of 1136 acres of Land for which acquisition proceedings have already been completed. The main activity under this scheme is limited only to the development of 800 acres of semi-developed Land, out of 1342 acres of semi-developed and 1207 acres of un-developed already acquired land with an allocation of Rs. 399.99 lakhs.

### Improvement Trusts

14.4. Improvement Trusts receive contribution from the Municipal Committees at 2% of 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 1980-81 and 1981-82 loan assistance of Rs. 10.00 lakhs was provided during each of these years. Due to constraint on resources no assistance could be provided during 1982-83 under this scheme. During 1983-84, an outlay of Rs. 9.94 lakhs has been provided for this purpose. An outlay of Rs. 15.00 lakhs has been proposed during 1984-85 under this scheme.

## **Integrated Development Programme for Small and Medium Towns**

14.5. This is a Centrally sponsored scheme under which 50% share is to be provided by the State. In addition, for bigger town like Amritsar, Jullundur and Patiala, which were covered under the old Centrally sponsored schemes, loan assistance is provided for implementation of their approved programmes. During 1980-81 and 1981-82, an expenditure of Rs. 100.00 lakhs in each of these years was incurred for both the above schemes. An outlay of Rs. 71.00 lakhs has been provided for this purpose during 1983-84 (Rs. 65.00 lakhs for small and medium towns and Rs. 6.00 lakhs for bigger towns). An outlay of Rs. 82.00 lakhs (Rs. 72.00 lakhs for small and medium towns + Rs. 10.00 lakhs for bigger towns) has been proposed during 1984-85 under these programmes.

### **Town and Regional Planning**

14.6. This is a staff scheme for which a provision of Rs. 10.00 lakhs was made during 1980-81, but no expenditure could be incurred during this year. However, during 1981-82, an expenditure of Rs. 4.25 lakhs was incurred. The staff under this scheme is to be engaged in rural sector planning at block level, preparation of plans of hitherto neglected small towns and preparation of master plans for the towns mushrooming in haphazard fashion along highways and other important roads. They will also be engaged in the preparation of plans for setting up new towns, in the first instance at Phillaur and later to be extended to cover other towns. An expenditure of Rs. 7.00 lakhs has been incurred for this scheme during 1982-83. A provision of Rs. 8.06 lakhs has been made for 1983-84 in order to continue the staff sanctioned during 1981-82 and 1982-83. An outlay of Rs. 9.90 lakhs has been proposed for this continued staff scheme during 1984-85.

### **Environmental Improvement of Slums**

14.7. For environmental improvement of slums such as drinking water, pavement of streets, pucca drains, street lights, public urinals and latrines etc., an expenditure of Rs. 19.00 lakhs, 80.00 lakhs and Rs. 80.00 lakhs was incurred during 1980-81, 1981-82 and 1982-83. An outlay of Rs. 80.00 lakhs has been provided for this scheme during 1983-84, in order to cover additional population of 60,000 persons.

Against this outlay, an expenditure of Rs. 180.00 lakhs. is anticipated. An outlay of Rs. 141.00 lakhs has been proposed for this scheme to benefit 85000 persons under this programme during 1984-85.

### **Housing**

14.8. 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. This objective has been kept in view while making provisions for different housing schemes to tackle the housing problems in the State. In order to boost the construction activity under the public sector, institutional finance from HUDCO is being raised to supplement the provision of Rs. 57.35 crores in the Sixth Five-Year Plan 1980-85.

14.9. During 1980-81, 1981-82 and 1982-83 an amount of Rs. 1027.84, Rs. 1133.36 and Rs. 858.95 lakhs was spent respectively for this purpose. An outlay of Rs. 1140.00 lakhs has been provided for sub-head 'Housing' during 1983-84, which includes Rs. 391.80 lakhs for repayment of HUDCO loan instalments. During 1984-85, a sum of Rs. 1318.70 lakhs has been proposed for this sub-head, out of which Rs. 418.60 lakhs has been earmarked for the repayment of HUDCO loan instalments. The details of the important schemes are given as under :—

#### **Houses for Government Servants**

14.10. This scheme relates to the procurement of land and construction of houses for Government employees in the State at district/tehsil headquarters and at 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 i.e., 92 per cent. The rest of 8 per cent of the total number of houses are to be provided for the higher categories.

11.14. 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 per cent seed money and the



balance 70 per cent loan assistance is raised from HUDCO by the Board. An outlay 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.

**14.12.** 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.

**14.13.** During 1980-81, an expenditure of about Rs. 293.84 lakhs was incurred for completion of 64 houses at Chandigarh and for completing the construction at various stages in respect of 2266 houses at other places. During 1981-82 and 1982-83, an amount of Rs. 193.72 and Rs. 251.95 lakhs was spent for construction of spillover houses and for repayment of HUDCO loan instalments. An outlay of Rs. 261.00 lacs has been provided for 1983-84, which includes repayment of HUDCO loan alone to the extent of Rs. 246.00 lakhs and the balance Rs. 15.00 lakhs is being provided for the completion of spillover houses, the construction of which was initiated by PWD during the previous year. Due to paucity of funds, no new construction could be proposed under this important programme. During 1984-85, an outlay of Rs. 347.33 lakhs has been proposed, which includes Rs. 229.60 lakhs for repayment of HUDCO loan, Rs. 10.00 lakhs for the construction of spillover works with P.W.D. and Rs. 100.00 lakhs are being proposed for undertaking new construction at Chandigarh, Patiala, and Hoshiarpur (Rs. 50.00 lakhs for construction of 300 houses plus Rs. 7.73 lakhs payment of instalment of land purchased at Chandigarh and Rs. 50.00 lakhs for construction of additional 300 houses at Patiala and Hoshiarpur).

**14.14.** To meet the growing demand for house building advance among the Government Servants on account of the upward entitlement of loan amount for house buildings in the light of the revision of their pay scales and the increased cost of construction of houses a sum of Rs. 300.00 lakhs has been proposed for this purpose during 1984-85 against the requirement of Rs. 600.00 lakhs. In 1979-80 and 1980-81, Rs. 240.00 lakhs and Rs. 150.00 lakhs, respectively were expended for this purpose. During 1981-82

and 1982-83, an expenditure of Rs. 253.88 lakhs and Rs. 199.16 lakhs was incurred under this scheme. An outlay of Rs. 200.00 lakhs has been provided for this purpose during 1983-84.

### **Police Housing**

**14.15.** Houses for Police personnel are also got constructed through the Punjab Housing Development Board with HUDCO loan assistance. During 1979-80, an expenditure of Rs. 156.62 lakhs was incurred and by the end of the year, 443 houses were under construction. During 1981-82, a sum of Rs. 174.95 lakhs was expended for meeting the repayment liability of HUDCO loan and for completion of spillover works. An expenditure of Rs. 117.23 lakhs was incurred for the construction of spillover works and repayment of HUDCO loan during 1982-83. Against the above plan provision during 1979-80, 1980-81 and 1981-82, the Housing Board raised a loan of Rs. 228.54 lakhs and schemes for sanction of further loan of Rs. 245.41 lakhs were pending with HUDCO at the end of the year. During 1983-84 an outlay of Rs. 185.00 has been provided, which includes re-payment liability of HUDCO loan to the extent of Rs. 80.00 lakhs and spill over requirements of Rs. 8.00 lakhs for completion of houses by the P.W.D. Rs. 40.00 lakhs have been provided for the construction of residential accommodation for trainees at Police Training College, Phillaur. The balance amount of Rs. 57.00 lakhs is to be used for undertaking construction of 150 additional houses. An outlay of Rs. 220.00 lakhs has been proposed for the construction of houses/barracks under this programme during 1984-85, out of which Rs. 100.00 lakhs will be utilised for the repayment of HUDCO loan liabilities, Rs. 5.00 lakhs for spillover works with P.W.D., Rs. 45.00 lakhs for construction of barracks accommodation at police line Kapurthala and PRTC Jahan-Khelan and at various valulnerable points for 300 Police personnel and Rs. 70.00 lakhs will be utilised as seed money for raising loan from HUDCO for the construction of 200 additional houses.

### **Housing Development Board**

**14.16.** The Board came into existence in May, 1973. The Housing Board is provided assistance by way of loan and subsidy for the additional construction of various categories of houses. A loan amount

of Rs. 70.00 lakhs as seed money for various social housing schemes for the Board, was provided during each year of 1979-80, 1980-81. During 1981-82, an outlay of Rs. 20.00 lakhs was provided for the construction of such houses by the Board after availing HUDCO loan assistance. The Board meets the liabilities of repayment of principle and interest to HUDCO from its own funds out of advance deposits/recoveries from the applicants-allottees, etc. During the year 1982-83, no financial assistance was provided to Punjab Housing Development Board for construction of these houses due to paucity of funds. For boosting construction of social housing e.g. E.W.S. M.I.G., L.I.G. houses, etc. envisaged under the 20 Point Programme, an increased outlay of Rs. 80.00 lakhs has been provided for the construction of these houses during 1983-84. A loan amount of Rs. 100.00 lakhs has been proposed as seed money to raise HUDCO loan under this scheme for the construction of additional E.W.S., L.I.G. and M.I.G. houses to meet the shortage of residential accommodation in the state during 1984-85.

#### **Subsidised Industrial Houses**

**14.17.** Under his scheme residential houses for Industrial workers are constructed in the state-sector, co-operative sector and private sector. The Government advances loans to the extent of 65 per cent of the cost of construction of houses in the co-operative sector and to the tune of 50 per cent of the cost of construction of the houses in the private sector. In addition 25 per cent of the cost of the house is given as subsidy. The maximum cost of the house is considered as Rs. 8,500 for grant of loan and subsidy. The houses in the government sector are constructed through Punjab Housing Development Board.

**14.18.** A sum of Rs. 2.00 lakhs was expended in 1980-81 for construction of 32 houses for industrial workers in the State in Private sector. During 1981-82, an amount of Rs. 5.81 lakhs was expended for the construction of 90 houses for industrial workers in this sector. During 1982-83, an amount of Rs. 0.55 lakhs was expended for the construction of spillover houses in private sector. An outlay of Rs. 11.00 lakhs has been provided during 1983-84 for the construction of 90 houses for industrial workers, which includes Rs. 8.00 lakhs for

advancing loan in this sector and Rs. 3.00 lakhs for grant of subsidy. A sum of Rs. 15.00 lakhs has been proposed in order to meet the loan/subsidy requirement for the construction of 314 houses under this programme during 1984-85.

#### **Houses for Rural Homeless**

**14.19.** 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 at a cost of Rs 4,000 per house was entrusted to the Housing Board. Though sufficient funds were provided to Board during the previous years, progress of construction work was slow. During 1978-79, Rs. 100.00 lakhs were provided to the Housing Development Board for the construction of 5000 houses. The Board received matching loan assistance of Rs. 100.00 lakhs from HUDCO for this scheme. Since the Board could not complete the construction of 3946 houses during 1977-78, it was expected that by the end of 1978-79 construction of 8946 houses would be completed. Against this target the Board completed only 508 houses, while another 1600 houses were under construction. During 1979-80 a sum of Rs. 70.00 lakhs was provided for the construction of 3500 houses, but even this target could not be achieved and only 778 houses were completed at the end of year. The Board also received matching loan assistance of Rs. 70.00 lakhs from HUDCO during 1979-80 for this purpose.

**14.20.** A review of the programme of housing for the homeless revealed that there was a need to push up its execution at a faster rate. Accordingly a sum of Rs. 170.00 lakhs was earmarked for this scheme in 1980-81, as against a provision of Rs. 70.00 lakhs in 1979-80. Matching assistance from HUDCO supplemented this amount. With this additional provision and a spillover funds available with Housing Development Board for construction of houses under this programme, the construction of 9919 houses (with revised cost of Rs. 6500 per house) was completed against the target of 3389

houses during 1980-81. With this achievement the entire backlog of the last 3 years was wiped out in a single year. To maintain the tempo of development under this scheme, an expenditure of Rs. 285.00 lakhs was incurred during 1981-82 and the construction of 7421 houses was completed. During 1982-83, an expenditure of Rs. 285.00 lakhs was incurred for construction of 3475 additional houses and for meeting the repayment liability of HUDCO loan. During 1983-84, an outlay of Rs. 311.00 lakhs has been provided for the construction of these houses and for repayment of HUDCO loan instalments to the extent of Rs. 65.80 lakhs. A tentative target of constructing 5450 houses has been fixed for this purpose.

**14.21.** A study to assess the extent of benefit accruing to the beneficiaries under this scheme was conducted and it was found that occupancy rate of these houses was very low inspite of a very high percentage (86.4 per cent) of subsidy given to the beneficiaries. In order to make the scheme more useful to the beneficiaries and for increasing the occupancy rate of these houses and for increased participation and involvement of the beneficiaries, the scheme is being recasted with a cost limit of Rs. 6,500 per house according to HUDCO norm and allowing discretion to the beneficiaries to undertake construction of houses designed by Housing Development Board themselves after availing financial assistance for this purpose. An outlay of Rs. 156.37 lakhs has been proposed for the construction of additional 1925 houses and for repayment of Rs. 89.00 lakhs as HUDCO loan liability during 1984-85.

#### **Loans for LIG Houses**

**14.22.** This scheme is financed by LIC/GIC of India. Under the LIG scheme, loans are sanctioned to individuals, whose income does not exceed Rs. 7200 per annum. The maximum limit of loan is Rs. 12,500 or 80 per cent of the cost of the house, whichever is less. During 1979-80, a sum of Rs. 55.00 lakhs was expended for advancing loans to 1,100 beneficiaries. For 1980-81, an expenditure of Rs. 65.00 lakhs was incurred for the construction of 600 houses. An expenditure of Rs. 65.00 lakhs was incurred during 1981-82 for the construction of 1300 houses. LIC/GIC loan during 1982-83 was not received by the end of March 1983 for this

purpose. However, an expenditure of Rs. 1.35 lakhs was incurred for provision of loan to 20 persons under this scheme. A tentative provision of Rs. 10.00 lakhs was made for 1983-84, in order to provide loan to 200 persons under this programme. After the receipt of GIC loan of Rs. 70.00 lakhs for the year 1982-83, the anticipated expenditure under the scheme is likely to be Rs. 70.00 lakhs. A tentative outlay of Rs. 80.00 lakhs has been proposed for advancing loan to 1600 persons during 1984-85 for construction of houses under this programme. The provision will be reviewed during the year according to the release of LIC/GIC loan for this purpose.

#### **Middle Income Group Houses**

**14.23.** Under the MIG housing scheme loans are sanctioned to individuals, whose income exceed 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 house, whichever is less. The funds under this scheme are also arranged from LIC/GIC. During 1980-81, an expenditure of Rs. 35.00 lakhs was incurred for the benefit of 175 persons. LIC/GIC loans during 1982-83 was not received by the end of March, 1983 for this purpose. However, an amount of Rs. 1.35 lakhs was expended to help 12 loanees for the construction of houses under the scheme. A tentative provision of Rs. 10.00 lakhs was made during 1983-84 for 50 beneficiaries under this scheme. After the receipt of GIC loan of Rs. 64.00 lakhs for the year 1982-83, the anticipated expenditure under the scheme is likely to be Rs. 64.00 lakhs. A tentative outlay of Rs. 30.00 lakhs has been proposed for advancing loans to 150 persons under this programme during 1984-85. This provision will be reviewed during the year after the receipt of LIC/GIC loan for this purpose.

#### **Loan for building houses in Urban Estates**

**14.24.** Under this scheme loans are advanced to the plot holders in the Urban Estates set up in the State. 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.

**14.25.** During the year 1980-81 and 1981-82, Rs. 30.00 lakhs were provided in each of these years as loans to 104 and 72 persons, respectively. During 1982-83, an amount of Rs. 2.36 lakhs was

advanced as loan to 6 persons only under this scheme. At present more than 6000 loan applications involving a loan amount of more than 250.00 crores are pending for about a decade. In order to provide relief to these applicants, who are on the waiting list for such a long time, an outlay of Rs. 62.00 lakhs has been provided to give loan assistance to 186 persons during 1983-84. An outlay of Rs. 20.00 lakhs has been proposed to provide financial assistance to 60 persons for construction of houses during 1984-85.

#### **Village Housing Project Scheme**

14.26. This scheme was introduced by the Government 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. 5000 per house.

14.27. During 1980-81, an expenditure of Rs. 62.00 lakhs was incurred for advancing loans to 1264 persons. For 1981-82, an expenditure of Rs 70.00 lakhs was incurred for the benefit of 1400 persons. During 1982-83, no loan was advanced due to non-release of funds by the LIC/GIC. A tentative outlay of Rs. 10.00 lakhs has been provided for granting loan to 200 persons under this scheme during 1983-84. LIC/GIC loan during 1982-83 was not received by the end of March 1983 for this purpose. After the receipt of LIC/GIC loan for the year 1982-83, the anticipated expenditure under this scheme is likely to be Rs. 53.00 lakhs. A tentative outlay of Rs. 50.00 lakhs has been proposed for granting loan to 1000 persons under this programme during 1984-85. This provision will be reviewed during the year after the receipt of LIC/GIC loan for this purpose.

## Welfare of Scheduled Castes and Backward Classes

Scheduled Castes and Backward Classes together constitute more than one-third of the State 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, tanner 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. The percentage among the male population of these castes is 30.96 per cent and as low as 15.67 per cent among the females.

15.2. The above paragraph highlights the fact that Scheduled Castes are economically poor and socially backward in comparison to the general population of the State. Recognising this fact the State Government has endeavoured to formulate schemes and take measures for the economic and social uplift of this depressed class of society. Thus programmes for educational advancement, economic uplift and housing, environmental improvement etc. which were initiated in the earlier plans have continued to be strengthened by adding new schemes and providing more funds. For the year 1984-85 an outlay of Rs. 640.00 lakhs have been proposed against Rs. 540.00 lakhs during the current year.

### **Educational programme :**

15.3. Education is the basic input for bringing about the social and economic transformation of any community. For the Scheduled Castes who are way down the social and economic ladder 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. In the Annual Plan 1984-85 an outlay of Rs. 201.60 lakhs has been proposed for educational programme compared to the allocation of Rs. 137.50 lakhs in 1983-84.

15.4. The scheme of Pre-matric coaching to scheduled castes students, under which students belonging to these communities studying in the IX and X classes are imparted special coaching has been re-structured and streamlined to make it useful and constructive. The scheme which is extended to cover the children from the backward classes will be implemented on a pilot basis. On the basis of experience, this scheme will be expanded in the Seventh Plan.

15.5. Free books and stationery are given to the Scheduled Castes students studying in 6th to 10th classes. In 1984-85 an outlay of Rs. 80.00 lakhs has been proposed against current year's provision at Rs. 60.00 lakhs for this purpose for the scheme 'Grants for the purchase of books and stationery'. Under a centrally sponsored scheme (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. An outlay of Rs. 2.00 lakhs is earmarked as the State's share. Similarly under a State scheme institutions teaching Law are also provided grants for the purchase of books for the use of the Scheduled Castes students. For this purpose an outlay of Rs. 0.60 lakh have been set aside. To meet the shortage of qualified Scheduled Castes stenographers in the State, special training is imparted to the Scheduled Castes candidates coming forward for such training. From the year 1984-85, an evening shift is also proposed to be introduced for the stenographers in service with a view to improving their skill. About 300 trainees in both shifts would be imparted training with proposed outlay of Rs. 3.00 lakhs in 1984-85. An outlay of Rs. 15.00 lakhs has also been set aside in 1984-85 to provide grants to the Scheduled Castes girls students studying in post-Matric and post-Graduate classes at the rate of Rs. 40.00 p.m. and Rs. 50.00 p.m. respectively. The main objective of this scheme is to attract the maximum number of girls from these communities to higher education.

15.6. Presently a pre-examination centre is being run at Punjabi University Patiala for the coaching for the IAS and allied services competitions under a centrally sponsored scheme. From the year 1984-85 it is proposed to extend the coaching scheme to cover examinations of the State services as well as for Banking services. For this purpose an outlay of Rs. 4.00 lakhs is proposed in the Annual Plan 1984-85 as State's share. Under another centrally shared scheme, 'Girls hostels' which aims at giving grants to the institutions for providing the facilities of hostels to the Scheduled Castes girls students, an outlay of Rs. 1.00 lakh is proposed. It is expected that matching contribution will also be made available by the Government of India. However, the scheme is not very much favoured as it is likely to perpetuate segregation of Scheduled castes girls. Five Industrial Training Institutes are being run exclusively for the Scheduled Castes. Earlier, these institutes were merely training centres but have now been upgraded to the level of I.T.Is. To strengthen these institutions an outlay of Rs. 20.00 lakhs has been proposed in 1984-85. This also includes a sum of Rs. 7.00 lakhs for the purchase of land for the institute at Nawanshahar. The Scheduled Castes women are imparted training in stitching and knitting, with a view to improve their family income, in 120 community centres. An outlay of Rs. 5.00 lakhs is proposed in 1984-85 under the scheme 'Industrial training to Scheduled Castes women' for imparting training to 3600 Scheduled Castes women in these community centres. An outlay of Rs. 20.00 lakhs have been proposed under the scheme 'Grants to Scheduled Castes students studying in medical and engineering colleges' in 1984-85. Every Scheduled Caste student studying in medical and engineering institutions and whose parents income does not exceed Rs. 12,000 per annum is given a grant at the rate of Rs. 200 p.m. under this scheme.

15.7. To promote education amongst the children belonging to sweepers, scavengers, flayers, tanners and vimukat jaties who constitute the poorest of the poor, a scheme 'Package assistance to children belonging to sweepers, scavengers, flayers and tanners' and vimukat jaties was introduced in 1983-84. The objective of this scheme is to provide two sets of uniforms, stationery and books and shoes free of cost and also to provide pocket allowance at the rate of Rs. 5.00 p.m. to the children from these communities studying in primary classes.

This will help to attract more children from these backward communities and also help in reducing the very high drop out rate amongst them at this stage of education. During 1984-85, an outlay of Rs. 45.00 lakhs has been proposed against the provision of Rs. 25.00 lakhs in 1983-84. This would benefit about 40,000 students. To encourage Scheduled Caste students to be good at studies a new scheme 'Awards to brilliant Scheduled Castes students' has been proposed in 1984-85 with an outlay of Rs. 1.00 lakh.

#### **Programme for Economic Uplift ;**

15.8. These programmes aim at enabling the economically weak Scheduled Castes families to cross over the poverty line. About 70 per cent of the Scheduled Castes are engaged in agriculture sector, most of them being agricultural labourers, small and marginal farmers, and share croppers. For helping them to become cultivators, subsidy is given for the purchase of agricultural land, construction of well/house on that land and also to meet the registration fee on the land purchased. A sum of Rs. 12.40 lakhs is earmarked for this scheme and 200 families are expected to benefit during 1984-85.

15.9. Two Corporations namely the Punjab Scheduled Castes Land Development and Finance Corporation and the Punjab Backward Classes Land Development and Finance Corporation are functioning in the States with the primary objective of undertaking the schemes for ameliorating the lot of Scheduled Castes and Backward Classes in the State. 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. To enable these Corporations to expand their activities, funds are provided to strengthen their capital base. For 1984-85 a sum of Rs. 51.00 lakhs has been proposed as share capital contribution to the Punjab Scheduled Castes Land Development and Finance Corporation. A sum of Rs. 49.00 lakh is expected to be contributed by the Government of India as matching grant towards the share capital of the Punjab Scheduled Castes Land Development and Finance Corporation in 1984-85. BACKFINCO will be strengthened with a provision of Rs. 20.00 lakhs towards its share capital. These Corporation will also raise institutional finance from Commercial Banks for,

disbursement as loans. To subsidise the higher rate of interest charged by the banks an outlay of Rs. 90.00 lakh is earmarked as interest subsidy both for Scheduled Castes and Backward Classes for the year 1984-85.

#### **Programme for Health, Housing and Other Social Assistance**

15.10. 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 basites is undertaken by pavement of streets, construction of pucca drains and by providing drinking water facilities. By the end of 1982-83, 1285 villages were covered under this scheme and it is expected that 100 more villages would be covered during 1983-84. For this programme an outlay of Rs. 160.00 lakhs has been proposed for 1984-85. This also includes an outlay of Rs. 5.00 lakhs to be spent for providing 1050 units of drinking water. Under the scheme 'Construction of dharamshalas/chupals,' financial grant at the rate of Rs. 10,000 is given for the construction of a dharamshala. By the end of 1982-83 grants sufficient for the construction of 15472 dharamshalas for the Scheduled Castes in the [State had already been given. During 1983-84, 100 more dharamshalas are expected to be constructed. This is more than the number of inhabited villages (12,188) indicating the fact that in some villages more than one dharamshala has been constructed. There are, however, still villages where no dharmashala has so far been constructed. A target of constructing 304 new dharamshalas has been fixed at a cost of Rs. 30.40 lakhs during 1984-85 to cover the villages which have remained without any dharamshala.

15.11. 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 beneficiary is provided to them for the construction of houses. A sum of Rs. 40.00 lakhs has been earmarked for providing subsidy for the construction of 2000 houses. Legal aid is also provided in the form of lawyers fee to enable the Scheduled Castes to protect themselves against forcible eviction from land and to pursue other allied cases. A sum of Rs. 0.10 lakh has been set aside under the scheme 'Legal aid'.

15.12. It has been found that 20 per cent of the Sceduled Cates families residing in rural areas have no land for dumping domestic waste. Small plots of land are given free to these people for the use as manurial pits. An outlay of Rs. 10.00 lakh has been proposed during 1984-85.

#### **Programme for Welfare of Vimukat Jaties**

15.13. 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 take to settled life at a place, subsidy is provided at the rate of Rs. 2000 per beneficiary for the construction of houses. A provision of Rs. 24.00 lakhs has been set apart for payment as subsidy for the construction of 1200 houses for this strata of society during 1984-85.

#### **Research and Training**

15.14. Presently the Directorate of Welfare of Scheduled Castes and Backward Classes has inadequate staff to take up indepth study of the problems of Scheduled Castes and for monitoring and evaluation of programmes in operation for the development of Scheduled Castes. There is dearth of appropriate need based programmes and proper monitoring and evaluation of the existing ones. For this purpose it is proposed to set up a 'Research, Monitoring and Evaluation Cell' under a centrally sponsored scheme (50 :50) with an outlay of Rs. 0.50 lakh as State's share in 1984-85.

## 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 the 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 programmes seeks to remedy mal-nutrition among the pre-school children and pregnant and lactating mothers.

### SOCIAL WELFARE

16.2. For the various programmes of social welfare an outlay of Rs. 246.30 lakhs has been proposed in the Annual Plan 1984-85 against the provision of Rs. 165.00 lakhs in 1983-84. Details of various programmes included under social welfare are given below:—

#### 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 per month per child is provided. The number of children given this assistance since 1980-81 is likely to reach 7500 by the end of 1983-84. A sum of Rs. 30.00 lakhs is proposed for the year 1984-85 for this scheme. For the construction of school building at Hoshiarpur to house destitute and delinquent children, a sum of Rs. 5.00 lakhs is proposed for the year 1984-85. An outlay of Rs. 1.00 lakh is also earmarked as State's share under the centrally sponsored scheme, 'Service for children in need of care and protection.' Matching contribution is expected to be received from the Government of India for providing the grant-in-aid to the voluntary welfare organisations engaged in the service of children.

#### Women Welfare

16.4. Under the scheme 'Assistance to widows and destitute women' financial assistance is provided at the rate of Rs. 50.00 per month to widows and destitute women below the age of 60 years who have been left without means of subsistence after the death of their husbands or deserted by their

husbands or whose husbands are physically and mentally incapable of earning a livelihood. Number of such beneficiaries would reach 16,660 at the end of the year 1983-84. During 1984-85 a sum of Rs. 100.00 lakhs is proposed for this scheme.

16.5. Institutional care is also provided to widows and destitute women who are in need of normal protection, psychological adjustment, education, technical training and rehabilitation. Such care is provided in Gandhi Vanita Ashram at Jalandhar. Monthly cash doles of Rs. 50.00 per month per inmate is admissible to the inmates. During 1984-85 an outlay of Rs. 0.39 lakh has been set aside to benefit 65 inmates of the Ashram.

#### Welfare of handicapped

16.6. Persons in the age-group 6—30 years who are orthopaedically handicapped or are deaf and dumb or blind and whose parents or guardians earn less than Rs. 500 per month are provided scholarships ranging from Rs. 15 to Rs. 100 per month. For this scheme an outlay of Rs. 0.20 lakh has been earmarked for 120 beneficiaries during 1984-85. Under another scheme 'Supply of prosthetic aid to the handicapped' artificial limbs are given to the orthopaedically handicapped persons with a view to enabling them to lead normal life. Under this scheme an outlay of Rs. 0.50 lakh has been proposed for the benefit of 120 handicapped persons. The disabled persons falling in the age-group of 16—55 years are given financial assistance at the rate of Rs. 50.00 month per beneficiary. An outlay of Rs. 15.00 lakhs has been proposed under the scheme 'Assistance to disabled persons' for the year 1984-85 against the provision of Rs. 10.00 lakhs during 1983-84. Other disabled persons who are less than 16 years or more than 55 years are being covered under some other schemes already in operation. To rehabilitate and impart suitable vocational training to the handicapped three Rehabilitation and Vocational Training centres are likely to be set up at Hoshiarpur, Amritsar and Sangrur during 1983-84. To strengthen these centres an outlay of Rs. 6.00 lakhs has been proposed during 1984-85. To meet the spill-over requirement for setting up a Braille Press for the blind at Ludhiana an outlay of Rs. 1.50 lakhs is proposed during the the year 1984-85.



### Other programmes

16·7. An outlay of Rs. 2.00 lakhs has been proposed as grant-in-aid to voluntary welfare organisations/institutions engaged in welfare activities concerning children, women, the aged, the handicapped etc. The P.G.I. Chandigarh is imparting training to the blind in simple skills with a view to rehabilitating them in society. The State Government provides grant-in-aid to this Institute. During 1984-85 an outlay of Rs. 1.75 lakhs is proposed for this purpose.

### Punjab Women and Children Development and Welfare Corporation :

16·8. The Punjab Women and Children Development and Welfare Corporation has been set up with authorised capital of Rs. 5.00 crores. The Corporation is providing gainful employment to the needy women in the State. An outlay of Rs. 30.00 lakhs has been proposed as a share capital contribution to this Corporation during 1984-85.

16·9. The Corporation has initiated the programme of advancing interest free loans to the Scheduled Castes women and at nominal rate of interest to other economically weaker women. For this the institutional finance is raised from the Commercial Banks and the higher interest rate charged by the banks is subsidised by the State Government. For this purpose, an outlay of Rs. 2.00 lakhs is earmarked for 1984-85.

### Defence Services Welfare

16·10. The ex-servicemen form a sizeable number of the population in the State. These sons of the soil after spending the best part of their lives in the defence of their motherland deserve 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 rates of interest charged by the banks is fully subsidised for beneficiaries drawing a loan upto a maximum of Rs. 20,000 and whose annual income does not exceed Rs. 5400 p.a. For meeting

this need Rs. 20.00 lakhs is being proposed during 1984-85. Rs. 30.00 lakhs have been proposed as share capital contribution to the Corporation.

### NUTRITION

16·11. Proper nutritive diet for the children especially of the under privileged classes is one of the major problems affecting the physical and psychological development of such 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

16·12. Under the Special Nutrition Programme both children below 6 years and expectant and nursing mothers are provided nutritive diet at the rate of 35 paise per day and severely effected 0.60 paise per day per beneficiar for 250 days in the year. The programme at present cover the five districts namely Kapurthala, Hoshiarpur, Gurdaspur, Ferozepur and Faridkot of the State.

#### I.C.D.S. Projects

16·13. The I.C.D.S. projects provide a package of health nutrition and pre-school educational services to children below 6 years and also the expectant and nursing mothers. These projects are presently being run in 29 blocks . In these projects the traditional food 'Dalia' etc. is given. Expenditure on diet is met from the State Plan budget and the administrative charges are paid by the Government of India on non-plan side. To provide nutritive diet under Special Nutrition Programme and I.C.D.S. Projects an outlay of Rs. 100.00 lakhs has been proposed for 1984-85 to benefit 1.35 lakhs beneficiaries.

## Other Programmes

### Public Works

Many Government Administrative and office buildings, particularly at the 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. An outlay of Rs. 1247.00 lakhs was provided for the Sixth Five-Year Plan period. During 1980-81, 1981-82 and 1982-83 an amount of Rs. 186.20, Rs. 175.45 and Rs. 245.79 lakhs, respectively was expended for this purpose. During 1983-84, an outlay of Rs. 301.00 lakhs has been provided for the following works, which include mostly spill-over works. An outlay of Rs. 410.00 lakhs has been proposed for 1984-85 for an early completion of these spill-over works.

### Administrative Complexes

17.2 The State has 3 divisions, 12 districts, 45 Sub-divisions/tehsils and 49 sub-tehsils. For the convenience of the public it was decided to construct all Government offices and Courts in a town at one place.

17.3 During 1979-80, an expenditure of Rs. 46.20 lakhs was incurred for the construction of Administrative Complexes. An amount of Rs. 72.48, Rs. 75.26 and Rs. 87.39 lakhs was incurred during 1980-81, 1981-82 and 1982-83, respectively for these works. During 1983-84, Rs. 100.00 lakhs were earmarked for the construction of administrative complexes. The work in respect 24 administrative buildings is in progress. To ensure early completion of ongoing projects within the constraint of resources allocation for each work was rationalised and for this purpose works at an advanced stage were given priority during 1983-84. The principle that has now been applied is that the entire complex, or a usable portion thereof, should be completed during the financial year and possession handed over to the User Department. As a result of this decision 10 spill-over works relating to administrative complexes will be com-

pleted in full usable portion thereof by the end of year 1983-84. In annual Plan 1984-85 the same practice in allocation of funds had been followed. An outlay of Rs. 163.17 lakhs has been proposed for completion of full of usable portion of 12 complexes. The details of these complexes is given in Annexure. The proposed provision is the required minimum for early completion of the projects in order to minimise the cost escalation effects.

### Courts

17.4 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 buildings at six places is in progress. An expenditure of Rs. 11.51 lakhs, Rs. 6.33 lakhs and Rs. 9.15 lakhs was incurred during 1980-81, 1981-82 and 1982-83, respectively on this account. During 1983-84, an outlay of Rs. 12.00 lakhs has been provided for the continuation of these works. It is expected that 4 court complexes will be completed by the end of this year. An outlay of Rs. 35.00 lakhs has been proposed for the completion of whole or usable portion of remaining 2 spill over court complexes (Samrala and Sultanpur Lodhi). The details are given in Annexure.

### Patwar Khanas

17.5 During 1982-83, an expenditure of Rs. 4.88 lakhs was incurred for the construction of 12 Patwar Khanas. During 1983-84, an outlay of Rs. 10.00 lakhs has been provided for the construction of 23 Patwar Khanas in the State. An outlay of Rs. 6.83 lakhs has been proposed for construction of 15 Patwar Khanas during 1984-85.

### Police Stations

17.6 The condition of most of the existing Police Station buildings 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 are 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. 18.24 lakhs during 1979-80, Rs. 33.50 lakhs during

1980-81 and Rs. 28.35 lakhs during 1981-82 was incurred. During 1982-83 an expenditure of Rs. 47.08 lakhs was incurred for construction of Police Stations. During 1983-84, an outlay of Rs. 20.00 lakhs has been provided for the completion of spill-over works. Keeping in view the current law and order situation in the State, an outlay of Rs. 50.00 lakhs has been proposed for early completion of 14 spill-over works. The details are given in annexure.

#### Jails

**17.7** In order to improve the conditions in the jails, the Government decided to provide basic amenities of life in Jails e.g. flush laterines etc. An expenditure of Rs. 53.33 lakhs, Rs. 50.55 lakhs and Rs. 52.70 lakhs was incurred for the construction of new jails and provision of flush laterines etc. during 1980-81, 1981-82 and 1982-83 respectively. A provision of Rs. 65.00 lakhs has been provided for the spill-over works during 1983-84. An outlay of Rs. 65.00 lakhs has been proposed for early completion of spill-over works detailed in Annexure for 1984-85.

#### Circuit Houses and Rest Houses

**17.8** During 1980-81, 1981-82 and 1982-83, an amount of Rs. 15.38 lakhs, Rs. 14.95 lakhs and Rs. 14.00 lakhs respectively were spent under this scheme. An outlay of Rs. 23.00 lakhs has been provided for this purpose during 1983-84, which includes Rs. 20.00 lakhs for the completion of State guest house at Chandigarh and a token provision of Rs. 3.00 lakhs for other rest houses in the State. An outlay of Rs. 20.00 lakhs has been proposed for this purpose during 1984-85.

**17.9** 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 two multistoreyed separate buildings, namely, Block B & C in the premises of Punjab Bhawan at a cost of Rs. 206.53 lakhs for providing accommodation to officers visiting Delhi and for accommodating the staff and officers of the State Government posted at Delhi. During 1983-84, an outlay of Rs. 31.00 lakhs has been provided for this purpose. An outlay of Rs. 30.00 lakhs has been proposed for this building during 1984-85.

#### Mini Secretariat Building at Chandigarh

**17.10** In order to accommodate the increasing strength of the staff, there is a need for the construction of new secretariat building at Chandigarh. The State Government at present is paying heavy rents to accommodate its offices in private buildings at Chandigarh. To meet this dire need and to facilitate the public, it has been decided to construct a Mini Secretariat at a cost of Rs. 2.35 crores. A plot of land for this project has already been acquired from Chandigarh Administration and the negotiations for the purchase of 2nd plot are continuing. During 1982-83, Rs. 30.59 lakhs was expended for payment of instalments of land acquired and for undertaking construction of the building. A provision of Rs. 40.00 lakhs has been provided for this building during 1983-84 for boosting the construction activity and for payment of instalment of the new plot to be acquired during this year. An outlay of Rs. 40.00 lakhs has been proposed for the construction of Mini Secretariat Building at Chandigarh during 1984-85.

#### Labour and Labour Welfare :

**17.11.** Labour Welfare, Employment Services and Industrial Training are included under this sub-head.

#### Labour Welfare

**17.12.** An outlay of Rs. 7.00 lakhs has been proposed for 1984-85 for the continuation of the following schemes :—

**(i) Setting up of enforcement machinery for the welfare of agricultural labour.**

**17.13.** A new scheme for the setting up of enforcement machinery for the implementation of labour laws enacted for the welfare of the agricultural labour was introduced during 1981-82. This scheme is required to look after the interest of the agricultural labourer in the rural sector. The enforcement machinery is necessary for the implementation of the 20 Point Programme. A provision of Rs. 3.50 lakhs has been proposed for the year 1984-85 for continuing the staff sanctioned during 1981-82.

**(ii) Strengthening of enforcement machinery for the minimum wages :**

**17.14.** A sum of Rs. 3.00 lakhs has been provided to strengthen the enforcement machinery to im-

plement effectively the labour laws for the regulation of working hours, working conditions and wages of the factory labourers.

**(iii) Setting up of Industrial Hygiene laboratory :**

17.15. The factories etc. 1948 is the basic legislation for ensuring the safety and health of the workers and providing them with congenial and healthy environments in the factories. Necessary measures would be devised by the industrial hygiene laboratory to save the workers from health hazards of their working condition. A sum of Rs. 0.50 lakh is set apart for the year 1984-85.

**Employment Services :**

17.16. An outlay of Rs. 4.00 lakhs has been proposed in 1984-85 for the continuation of the Sub-Employment Exchanges/Rural Manpower Units established during 1979-80 and during 1982-83. A new Sub-Employment Exchange has been set up at Nakodar during the year 1982-83.

**Industrial Training :**

17.17. For this programme an outlay of Rs. 81.10 lakhs for the year 1984-85 has been proposed. Details of various programmes are as under :—

**(a) Craftsman Training :**

17.18. There are 38 Industrial Training Institutes in the State with 12,136 seats in different industrial trades. This programme is run on all India pattern and is controlled and regulated according to the policies of the Directorate-General of Employment and Training. For the Annual Plan 1984-85 an outlay of Rs. 56.10 lakhs has been proposed against the current year allocation of Rs 46.00 lakhs. These funds are provided mainly for improving the functioning of the existing institutes by providing buildings, material and machinery, tools and equipment and training to the existing staff and also for the introduction of the new trades and addition of more seats in these institutes. The work at 4 places will be completed and equipment provided with an amount of Rs. 11.00 lakhs and Rs. 13.00 lakhs set aside for these purposes respectively. A new scheme regarding population education has been proposed at a cost of Rs. 6.00 lakh for 1984-85 proposed outlay will be utilised for

the following schemes as given below :—

- (i) Conversion of unpopular trades into popular trades ;
- (ii) addition and replacement of worn out tools and equipment in existing institutes ;
- (iii) training, seminars and study tours of the staff ;
- (iv) completion of the I.T.I. Buildings ;
- (v) strengthening of the training-cum-placement cell to maintain link between the industry and the passed out trainees to help them to locate employment opportunities ;
- (vi) strengthening the apprenticeship training wing ;
- (vii) development of facilities for basic training and related instructions ;
- (viii) modernisation of L.T.I. Patiala and give other institutes under aid programme of U.N.D.P./I.L.O. to provide standard and blue print reading, tools and die making and electrical and mechanical maintenance ;
- (ix) conversion of Rural Artisans Training Centres/Junior Training Centres/ Government Industrial Schools into Industrial Training Institutes.

**(b) Industrial Schools for Girls :**

17.19. As some trades are more suited to girls, training facilities are provided for them in 44 industrial schools with 3,678 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 and Punjabi Stenography, etc. For the Annual Plan 1984-85 an outlay of Rs. 18.00 lakhs has been proposed under this programme to strengthen the existing industrial schools by providing buildings, material and machinery, tools and equipment training to staff and also for introducing new trades and for additional seats in these schools. The proposed outlay is for the following on-going schemes :—

- (i) completion of building of Government Industrial Teachers Training Institute, Jalandhar ;

- (ii) construction of new buildings for schools ;
- (iii) opening of new schools and introduction of additional seats in existing schools ;
- (iv) teachers training classes in cutting and tailoring, embroidery and needle work knitting with hand and machine ;
- (v) training-cum-production centres ;
- (vi) seminars, conferences, study tours and training and retraining ;
- (vii) modernisation and replacement of machinery in schools.

17.20. A new scheme IT(S) 4.1 "Modernisation and Introduction of Training Courses at the Government Workshop, Rajpura" has been admitted in the Annual Plan 1984-85. A provision of Rs. 7.00 lakh including Rs. 5.00 lakh Capital Component has been proposed to provide necessary equipment and for the construction of sheds in this Institution. The existing sheds of this institution are in a very bad shape and equipment is also obsolete.

#### Information and Publicity

17.29. It is proposed to shift gradually from manbased to media based publicity. For this purpose, an outlay of Rs. 65.00 lakhs has been proposed for the Annual Plan 1984-85 against the approved outlay of Rs. 50.00 lakhs in 1983-84.

#### Direction and Administration

17.30. A sum of Rs. 0.20 lakhs has been proposed for the scheme 'Purchase of books for Library at headquarter'. A small outlay of Rs. 0.30 lakh has been proposed under the scheme 'Feed back studies' in order to ascertain the response of audience of the various programmes.

#### Films

17.31. An outlay of Rs. 7.00 lakh has been proposed in the Annual Plan 1984-85 for the production of documentary films, news reels and for the purchase of feature films, for the entertainment and education of people. The original outlay of Rs. 5.00 lakhs under this scheme has been enhanced by a sum of Rs. 15.50 lakh for the purchase of sophisticated cameras during the current year.

#### Punjab Films and News Corporation

17.32. A sum of Rs. 5.00 lakh has been proposed in the Annual Plan 1984-85 as share capital contribution to meet some of the pending liabilities of the Corporation.

#### Field Publicity :

17.33. 10 Sub-centres of publicity have been established at the tehsil level with a view to strengthening the publicity in the villages. Two sub-centres were opened during 1980-81 and it is proposed to open two more sub-centres during 1984-85. Field publicity workers in each block are going to be appointed during the current year. A provision of Rs. 19.00 lakhs has been proposed under this scheme for maintaining the 4 sub-centres as also salary of 118 field workers at the rate of Rs. 550 per mensem fixed per worker during the year 1984-85. The current year provision under this scheme is Rs. 17.00 lakhs. A sum of Rs. 1.25 lakh is being proposed under the television scheme for providing T.V. Sets to village Panchayat and in Harijan Basties on the basis of subsidising the 33 per cent of T.V. Set. Another provision of Rs. 3.75 lakhs has been proposed for purchasing and production of literature against the approved outlay of Rs. 3.25 for 1983-84.

#### Song and Drama

17.34. An allocation of Rs. 5.00 lakhs has been proposed for 1984-85 against the approved outlay of Rs. 4.35 lakhs for 1983-84. Light and Sound Programme will be maintained at a cost of Rs. 6.00 lakh during 1984-85 against the approved outlay of Rs. 3.25 lakh for 1983-84.

#### Advertisement and Visual Publicity Programme

17.35. Against the approved outlay of Rs. 8.60 lakh in 1983-84 an allocation of Rs. 13.00 lakh is being proposed for 1984-85. The provision for community listening and wall-painting is being kept at the previous year level, i.e. Rs. 0.20 lakh and Rs. 0.50 lakh respectively. Against the approved outlay of Rs. 5.00 lakh in 1983-84 a sum of Rs. 6.05 lakh has been proposed for the scheme display advertisement for the year 1984-85. The proposed outlay under the scheme 'Exhibition' has been increased to Rs. 6.25 lakh for the year 1984-85 against the approved outlay of Rs. 3.00 lakh during the year 1983-84 to cope with the display of State Exhibitions.

### Teleprinters lines

17.36. Teleprinter lines have already been provided to link Chandigarh with district headquarters with Ludhiana, Bhatinda, Jalandhar, Amritsar, Patiala and Faridkot and also Delhi. Funds have been provided for two more teleprinter lines linking Chandigarh with Gurdaspur and Ferozepur district headquarters during the year 1982-83. An outlay of Rs. 4.50 lakh is being proposed for 1984-85 to maintain the already established lines as also linking the remaining district headquarters with Chandigarh during the year 1984-85.

### PLANNING MACHINERY

17.37. 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.

17.38. Besides the House-keeping Division, the staff working in the Planning Board has been reorganised into the following 14 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.
- (14) Special Component Division.

17.39. The Plan Co-ordination Division undertakes the coordination work relating to Planning. All the Divisions consist of technical staff and each of these divisions is to be headed by a 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 purpose 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 of Planning.

17.40. An outlay of Rs. 10.00 lakhs has been provided for 1983-84, for strengthening the Planning Machinery in the State in the above-mentioned fields out of which Rs. 10.00 lakhs is likely to be expanded. Strengthening of the staff structure is undertaken on the basis of the requirement arising from time to time. An outlay of Rs. 10.00 lakh has been proposed for this purposes during 1984-85.

17.41. It is hoped that assistance from the Planning Commission will be available for the schemes proposed to be implemented during 1984-85 on the same pattern as hereto fore, 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

17.42. The Economic and Statistical Organisation (E.S.O.) has made good progress in the collection and presentation of data on the States economy. However, the Organisation has to enlarge its acti-

net of Rs. 60.00 lakhs for purchase of material during 1984-85 against which sum of Rs. 17.62 lakhs has been set aside.

#### Government Press, Patiala :

17.56. To increase the printing capacity and with the increase printing work load it is proposed to install more modern and automatic printing and equipment at an estimated cost of Rs. 5.00 lakhs at Government Press, Patiala. An anticipated expenditure of Rs. 2.00 lakhs will be incurred on the purchase of machinery and equipment during the present year. A sum of Rs. 0.50 lakh is being proposed for 1984-85 for this purpose. Another provision of Rs. 0.50 lakh is being proposed for the completion of spill-over works regarding scooter/ce-stand and Police barracks and quarters for cy in several new directions to meet the growing vit requirements of the Planning and the implementing departments. An outlay of Rs. 39.00 lakhs has been proposed for the continuation of the scheme during 1984-85 against a provision of Rs. 20.00 lakh during 1983-84 which is likely to be expanded.

17.43. Capital Formation Unit was set up during 1979-80. It is proposed to collect detailed data separately for the household and the non-house hold sectors. For this purpose an outlay of Rs. 4.00 lakh is proposed in 1984-85 for continuing the unit.

17.44. In order to extend planning to the block level, it is necessary to collect adequate and reliable data at that level. For this purpose, one Field Assistant in each block was appointed during the Fifth Plan period. District Statistical Officers present are also engaged in the work relating to preparation of District Plans. It is proposed to strengthen these offices with the appointment of Junior Officer and other supporting staff. With enhanced strength it will be possible for the office to review and monitor district plan and supervise the conduct of statistical studies at district/block levels. An amount of Rs. 10.00 lakhs has been proposed for 1984-85 under the scheme strengthening of District Statistical Offices, Headquarters Establishment and Library in the State, to continue the existing staff (24 Statistical Assistants, 12 Stenotypists sanctioned during the present year) and provide 4 posts of Deputy E.S.A. in the districts of Amritsar, Jalandhar, Ludhiana and Patiala, where the work load is comparatively

more. Other District Statistical Offices will also be provided a post of Deputy E.S.A. in a phased manner.

17.45. The strength of the employees in the Economic and Statistical Organisation of the State has risen from 542 in 1977 to 667 in the current year. With a view to carry out the additional work load smoothly and provide relief to the hard pressed ministerial staff in the discharge of their duties and ensure proper and efficient co-ordination of the various establishment branches, it is proposed to create the following ministerial posts i.e. one Establishment Officer, one Superintendent Grade-III, 5 Assistants, one Typist, one Clerk, one Gestetner Operator and two Peons during the year 1984-85. The proposed allocation under this scheme also provides for one post of Library Attendant, to improve the day-to-day functioning of Library.

17.46. A provision of Rs. 14.00 lakhs has been proposed for the purchase of computer timings during 1984-85, for getting the data processed and tabulated quickly.

17.47. For conducting *ad hoc* studies on subjects suggested by Central and State Government a provision of Rs. 1.00 lakh has been proposed in 1984-85. Sample survey of wholesale and retail trade statistics, social statistics, and of consumer expenditure and employment in selected blocks. will be undertaken in 1984-85.

17.48. Strengthening of Evaluation Machinery :—To strengthen the evaluation section of E.S.O., Punjab, the following staff was added during 1981-82 :—

Dy. E.S.A.	..	1
R.O.	..	1
Technical Assistant	..	1
Junior Scale Stenographer	..	1
Stenotypist	..	1
Peon	..	1

This section has already conducted the studies of .

- (1) Construction of Rural Godowns by PACS in Punjab.
- (2) Provision of houses for the landless workers constructed by Punjab Housing Development Board in rural areas in Punjab.

which will be completing during 1984-85. The existing strength of this section is pre-occupied in the studies of long-term programme which have been either completed or are on-going. The follow up action on removing the short-comings and implementing the useful suggestions pointed out in the Studies has to be taken up quickly so as to ensure the successful implementation of the various programmes. As the hands of the State Evaluation Agency are already full and there is no evaluation agency at district and below level, the evaluation machinery of the E.S.O. has to go down to the field level for studying the impact of the programmes and suggest corrective measure. To look after the timely feed back of evaluation findings and to meet the day to day needs of concurrent evaluation, it is proposed to strengthen the State Evaluation Unit by providing additional posts of Director—1, Deputy Director—1, Research Officer—2, Technical Assistants—6, Peons—4 and allied staff. For this purpose the current years provision of Rs. 2.42 lakhs is proposed to be raised to Rs. 6.80 lakhs for 1984-85.

17.49. For imparting training to junior level statistical personnel like technical assistants, statistical assistants and computers, etc. in E.S.O. and other departments of Government the training units set up during 1979-80, will be continued at a cost of Rs. 2.64 lakhs during 1984-85.

17.50. A sum of Rs. 0.56 lakh has been proposed for the new plan schemes for working out the Income and Expenditure of working class in the State of Punjab.

#### WEIGHTS AND MEASURES

17.51 **Implementation of Weights and Measures Act.**—An outlay of Rs. 4.00 lakhs is proposed for this scheme for the year 1984-85 out of which Rs. 2.00 lakh is meant for the staff, Rs. 1.00 lakh for machinery and equipment and the remaining Rs.1.00 lakhs for the completion of the secondary standard laboratory building at Amritsar. All this is required for enforcing provision of Weights and Measures Act with regard to taxi fare meters, water meters, clinical meters and weights and measures used in the post-offices and other miscellaneous trades.

#### Stationery and Printing :

17.52. Against the current year provision of Rs. 40.00 lakhs an allocation of Rs. 50.50 lakhs

is proposed for 1984-85 under this sub-head. The proposed allocation is mainly for maintaining the staff at Govt. Press, S.A.S. Nagar, Mohali (10.00 lakhs the supply of material to run this Press 17.62 lakhs and purchase of machinery at a cost of Rs. 10.00 lakhs during 1984-85.

#### Typewriter Workshop :

17.53. Typewriter Workshops at Faridkot, Ropar and Kapurthala were opened during the years 1979-80, 1980-81 and 1981-82 respectively. To maintain the staff of these workshops a provision of Rs. 3.12 lakhs has been made in the Annual Plan for 1983-84. A sum of Rs. 3.54 lakhs is being proposed for the year 1984-85, for this purpose. Another provision of Rs. 1.56 lakhs is proposed for continuing the existing staff of the Central type writers Workshop, Chandigarh during the year 1984-85. Anticipated expenditure for 1983-84 for this workshop will be about Rs. 1.21 lakhs.

#### Govt. Press, S.A.S. Nagar, Mohali ;

17.54. Out of the proposed provision of Rs. 50.50 lakhs for this sub-head, a sum of Rs. 45.00 lakhs has been set aside for making this press functional. The construction of building was started in 1975-76 and has been completed during current year. The position regarding machinery and equipment for required this press is as under :—

	Rs. in lakhs
Total requirement	108.5
Machinery purchased and so	32.5
Amount likely to be provided during excesses and surrenders 1983-84	27.0
Allocation proposed for 1984-85	10.0
Balance requirement	39.0

To complete the first phase of this press a sum of Rs. 10.00 lakhs is proposed for purchase of machinery and equipment during the year 1984-85. The balance amount of Rs. 39.00 lakhs is required for purchase imported machinery for the completion of the second phase of the press. For the time being this component is being postponed.

17.55. As the machinery worth Rs. 32.50 lakhs has been installed at S.A.S. Nagar, Mohali and the required staff is being put in position for the maintenance of which Rs. 10.00 lakhs has been proposed it has become essential to provide material for this press. The department has worked out the requi



- (3) Gobar Gas Plants in Punjab.
- (4) Grading of Foodgrains and Oilseeds in Regulated Markets in Punjab.
- (5) Utilisation of loans advanced by Commercial Banks on the recommendation of BACKFINCO, SCFC and RDA in Punjab and the following studies are in hand during 1983-84 :—

- (1) Evaluation study of Special Employment drive-Introduction of Scientific/Commercialised Milk Production in Punjab.
- (2) Evaluation study of consumption loans advanced by Cooperative Societies in Punjab.

employees and officers of Government Press, Patiala. This provision is required for giving the final touch and providing electrical installation etc.

17-57. Under the Scheme Apprenticeship training to 10 typewriter mechanics each apprentice given Rs. 100 P.M. A sum of Rs. 0.12 lakh is proposed for 1984-85 under the scheme.

#### **Punjab State Civil Supplies Corporation :**

17-58. The Punjab State Civil Supplies Corporation Ltd. was incorporated on 14th February, 1974 with an authorised capital of Rs. 5.00 crores. At present the paid up share capital of the Corporation is 3.73 crores. The main objective for setting up the Corporation was to hold the price line and to ensure regular supply of essential commodities at

reasonable rates to the people in general and to the weaker sections of the society in particular. The Corporation undertakes purchase, storage, movement, distribution and sale of foodgrains, other stocks and essential commodities in the State for this purpose.

17-59. An outlay of Rs. 5.00 lakhs has been proposed for 1984-85, as share capital contribution to PUNSUP.

#### **Administrative Training Institute :**

17-60. The Institute came into being in March, 1978. The Punjab State Institute of Public Administration, which had been set up for training and research in Public Administration is to impart training to the probationers of the I.A.S. allotted to the State of Punjab. The P.C.S. probationers and entrants to allied general services.

17-61. A piece of land had been earmarked for allotment to the Institute at S.A.S. Nagar, where it would be having its permanent campus. The Institute would be conducting 2 or 3 specialised mid courses for certain services.

17-62. Expenditure of Rs. 10.00 lakhs and Rs. 9.00 lakhs was incurred during 1979-80 and 1980-81 respectively on this account and during 1981-82, an amount of Rs. 9.00 lakhs was expended. A provision of Rs. 9.00 lakhs has been made for this purpose during 1983-84. This would be used to cover the recurring and non-recurring expenses including payment of instalment towards the cost of land. The allocation of Rs. 17.00 lakhs has been proposed for the year 1984-85 in this respect.

## (ANNEXURE-1)

					(Rs in lakhs)	
S. No.	Name of the works	Estimated cost	Expenditure upto 31-3-1883	Proposed out- during 1984-85		
1	2	3	4	5	5	
<b>Administrative Complexes :</b>						
1.	Tehsil Complex, Baba Bakala	57.00	18.94	38.00	—	
2.	Tehsil Complex, Khanna	21.44	7.98	5.00		
(excluding cost of land)						
3.	Tehsil Complex, Mansa	27.93	10.68	10.00		
4.	Tehsil Complex, Rajpura	23.95	8.32	11.00		
5.	Tehsil Complex, Balachaur	41.43	1.66	31.00		
6.	Tehsil Complex, Talwandi Sabo	37.00	4.80	22.00		
7.	Sub-Tehsil Complex, Mukerian	9.06	0.35	3.00		
8.	Commissioner's residence, Ferozpur	N.A.	—	4.00		
9.	Record Room in SDM's Office Malerkotla	N.A.	—	2.10		
10.	Sub-Tehsil Complex, Bhawanigarh	13.61	4.86	1.80		
11.	Offices and residence for Deputy Excise and Taxation Commissioner, Ferozpur Division	39.38	8.71	19.17		
12.	Tehsil Complex, Fatehgarh Sahib	38.36	23.79	16.10		
				Total	163.17	
<b>Court Building :</b>						
1.	Court Complex, Samrala	38.27	1.75	30.00		
2.	Court Complex, Sultanpur Lodhi	7.16	0.29	5.00		
				Total	35.00	
<b>Police Stations :</b>						
1.	PS D.N. 2—Jullundur along with administrative block of SP/ City etc., (1979-80)	78.63	18.97	6.00		
2.	PS Kharar, (1979-80)	11.48	10.67	3.00		
(to be revised)						
3.	PS Sharabha Nagar, Ludhiana, (1979-80)	14.00	13.43	3.00		
(to be revised)						
4.	PS DN-2, Ludhiana, (1979-80)	15.51	15.00	4.00		
(to be revised)						
5.	PS Foccal Point, Ludhiana, (1979-80)	12.57	23.88	2.00		
(to be revised)						
6.	PS DN-6, Ludhiana, (1979-80)	11.58	0.89	3.00		
7.	PS Sadar, Moga, (1979-80)	7.90	7.20	3.00		
(to be revised)						
8.	PS 'A' DN, Amritsar, (1980-81)	53.39	10.60	2.00		
9.	PS Valtoha, (1979-80)	8.79	2.55	5.00		
10.	PAP Stadium, Jullundur Cantt., (1981-82)	4.49	1.61	3.00		
(to be revised)						
11.	PS DN-1, Jullundur, (1981-82)	14.23	2.87	5.00		
12.	Police line, Kapurthala, (1981-82)	68.19	2.73	3.00		
13.	Office block of RTC, Jahankhelan, (1981-82)	2.97	2.36	3.00		
(to be revised)						
14.	Central Armoury, Bahadurgarh, (1981-82)	27.28	N.A.	5.00		
				Total	50.00	
<b>Jails :</b>						
1.	Construction of Open Air Jail, Nabha	46.92	45.48*	7.00		
2.	Construction of New Central Jail, Ludhiana	454.75	206.09*	30.00		
3.	Construction of Open Air Jail, Kapurthala	N.A.	40.07*	40.70*		
4.	Construction of Sub-Jail, Ropar (Purchase of land)	N.A.	10.00*	10.00		
5.	Construction of staff quarters	28.09	23.28*	8.00		
Total				65.00		

\*Personal

## CHAPTER XVIII

# Employment

The problem of unemployment in Punjab is more relevant to educated persons than to uneducated or unskilled persons. The prosperity in the agriculture sector has provided adequate employment opportunities to uneducated or unskilled persons. Actually Punjab depends upon the labour from outside the State to meet its requirements particularly in the agriculture sector. It is, however, a matter of concern that unemployment persists not only among matriculates and undergraduates but also among highly educated persons like graduates and post-graduates including professional and technical personnel. There is a drift of educated youth from rural to urban areas in search of white collar jobs. 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 the survey are given in this chapter. Besides, the employment and manpower situation has been reviewed on the basis of the information available from 1981 Census, 32nd round of National Sample Survey (1977-78) 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 Sixth Five-Year Plan have been worked out according to the usual activity status of the population (in 15—59 age-group). The chapter also contains tentative estimates of total direct employment generated/to be generated under different Annual Plans as well as the Sixth Five-Year Plan. The employment policy of the State Government has been discussed at the end of the chapter.

### Working Population, 1971—81

**18.2** 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 48.40 lakh main workers (i.e. persons engaged in work for at least 183 days in a year) and 6.68 lakh marginal workers in the State (according to provisional figures of 1981 Census). Females constituted merely 4.99 per cent of the total main workers in the State. However, among marginal workers their proportion was very high (71.19 per cent). 71.91 per cent of the main workers lived in rural areas of the State. The proportion of marginal workers residing in rural areas was higher (82.42 per cent) (See annexure-I).

**18.3** During the 1971—81 decade there has been 23.70 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 226.32 per cent during this period. The number of female agricultural labourers increased by 704.97 per cent in a period of 10 years. On the other hand there was insignificant increase (4.32 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 36.32 per cent in 1981, there was slight increase in the proportion of agricultural labourers from 20.11 per cent to 22.83 per cent during the same period (See annexure-II).

**18.4** The 1981 Census has returned work participation rate of 29.03 per cent as against 28.87 per cent of 1971 Census. However, the male work participation rate in 1981 has a marginal decrease from 52.82 per cent (in 1971) to 52.01 per cent. The female work participation rate on the contrary has increased from 1.18 per cent in 1971 to 3.09 per cent in 1981.

### Usual Activity Status of the Population, 1977-78

**18.5** 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 the 32nd round (1977-78) of National Sample Survey is given in annexure III. According to these results 87.53 per cent of the rural males (in 15—59 age-group) in Punjab were in the labour force. The participation of females in the labour force in this State was very low. Rural female labour force constituted merely 4.24 per cent of their total population. However, in the urban areas the female labour force participation was comparatively higher (7.92 per cent). More and more women were joining the regular paid employment in the urban areas. The proportion of unemployed females was insignificant (0.18 per cent) in rural areas. The incidence of unemployment both among males and females was more in urban areas than in rural areas.

### Educational Standard of Labour Force, 1977-78

**18.6** The State Sample results of 32nd round of National Sample Survey indicating the educational standard of labour force and unemployed on current weekly activity status basis have also been tabulated

by the State Economic and Statistical Organisation. The percentage distribution of persons in labour force and unemployed persons (in age-group 15—59 years) by sex, residence and educational standard in 1977-78 is shown in annexures IV (a) and IV(b) respectively. The incidence of illiteracy in the rural labour force was higher than in the urban labour force. The level of educational attainment of the labour force was also higher in the urban areas than in the rural areas. In the urban areas only 20.44 per cent of the males and 41.70 per cent of the females in labour force were illiterate whereas the corresponding proportions in rural areas were 53.88 per cent and 73.12 per cent. It is significant to note that 16.61 per cent of the women in labour force in the urban areas were graduates and above.

**18.7** National Sample Survey results (1977-78) indicate that unemployed belonging to urban areas were more educated than rural unemployed. In the rural areas 27.10 per cent of the unemployed males were illiterate whereas the corresponding percentage in urban areas was only 7.17. None of the unemployed females in urban areas was illiterate. Rather one-third of them were degree holders. Only 12.50 per cent of them were below matriculates. Even in the rural areas 60.81 per cent of the unemployed females were matriculates and above. Level of educational attainment of unemployed males was lower than that of unemployed females (See annexure IV-b).

#### **Estimates of Labour Force**

**18.8** The estimates have been worked out according to usual activity status on the basis of the information tabulated by the Economic and Statistical Organisation, Punjab in this regard pertaining to State Sample of the 32nd round. The estimates are based on the assumption that present trends will continue.

**18.9** According to usual activity status the size of the labour force (in 15—59 age-group) on the eve of the Sixth Five-Year Plan was 40.03 lakh. It consisted of 38.04 lakh males and 1.99 lakh females. The size of the female labour force was very small in comparison to the male labour force. Rural labour force constituted 74.17 per cent of the total labour force. During the Sixth Plan period 4.10 lakh more persons (3.89 lakh males and 0.21 lakh females) are expected to enter the labour market in the State. The average annual increase in labour force would thus be around 82 thousand (See annexure V).

#### **Estimates of Working Force**

**18.10** Estimates of Working Force for the Sixth Plan period are given in annexure VI. The number of workers on the basis of their usual activity status is expected to rise from 38.85 lakh as on 31st March, 1980 to 42.83 lakh as on 31st March, 1985. There would, thus, be an average annual increase of 79.6 thousand workers during the Sixth Plan period.

#### **Unemployment Estimates**

**18.11** On the assumption of continuation of present trends, the number of usually unemployed persons is expected to rise from 1.18 lakh on the eve of the Sixth Five-Year Plan to 1.30 lakh at its end (See annexure VII).

#### **Educated Unemployment**

**18.12** The current unemployment situation among different categories of educated unemployed has been discussed on the basis of their number registered with the Employment Exchanges in the State. Despite their known limitations the Live Register statistics (as given in annexure VIII) indicate the seriousness and the broad magnitude of the problem of unemployment among educated persons in the State.

**18.13** As on 30th September, 1983 there were 87,796 technical personnel and 1,82,662 generally educated (freshers) persons registered with the Employment Exchanges in the State. There was decline in unemployment among a number of categories of personnel like allopathic and non-allopathic doctors, veterinary graduates, JBT teachers, teachers (other than B.Ed. and M. Ed.) and graduate freshers during the last one year ending on 30th September, 1983. However, there was significant rise in unemployment both among engineering graduates (53.24 per cent) and diploma holders (17.04 per cent) during the same period. On the whole, unemployment increased by only 2.00 per cent among technical personnel and 3.97 per cent among the generally educated persons during the period under reference.

#### **Results of Unemployment Survey**

**18.14** Keeping in view the fact that Live Register statistics do not depict the unemployment situation correctly and that the highly educated youth, graduates 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 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 is under preparation. However, some of the main results which have become available reveal that the Live Register figures indicate a higher statistical count of the unemployed.

**18.15** Of the total 56,134 graduate and post-graduate registrants as on 31st May, 1983, 41.9% 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. 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. Only 28.40 per cent of the totally unemployed registrants were ready for self-employment. The fact that only a little more than one-fourth of them are ready for self-employment of some sort makes the issue of finding employment for a large majority of them difficult. Further results would be available when the report is finally drafted.

#### **Total Direct Employment Generation**

**18.16** The State Government Departments/Corporations concerned with Plan were requested to furnish the figures of total direct employment generation as relevant to total expenditure incurred or anticipated to be incurred/outlay provided under the different Plan programmes. However, there were gaps in the information received alongwith the proposals for the Annual Plan, 1984-85. To fill up these gaps, either previous years' figures have been repeated or some rough estimates have been worked out wherever possible. Tentative estimates of total construction employment and continuing employment generated/to be generated under different Annual Plans

and the Sixth Five-Year Plan are given in annexures IX and X respectively.

**18.17** According to the present tentative estimates, the State Annual Plan 1984-85 is expected to generate a total of 34.97 million person-days of construction employment and 55,494 person-years of continuing employment. On the other hand the total direct employment to be generated under the Annual Plan, 1983-84 is anticipated at 33.07 million person-days of construction employment and 49,195 person-years of continuing employment. In other words the level of construction employment is expected to be stepped up by 1.90 million person-days under the Annual Plan, 1984-85. Similarly, the continuing employment is expected to increase by 6,299 person-years during the next year. As would be seen from annexure IX, 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. Sub-heads of development having programmes with significant content of continuing employment are Power, General Education, Medical and Public Health, Industry, Agriculture, Cooperation and Animal Husbandry (See annexure-X).

#### **Employment Strategy**

**18.18** The employment strategy during the last year of the Sixth Five-Year Plan would be the same as already pursued during the earlier four years of the Plan. The developmental programmes included in the Annual Plan 1984-85 are expected to accelerate the growth of direct and indirect job opportunities in the State. Since the scope for salaried jobs in the State Government sector is limited, stress is being laid on the promotion of self-employment opportunities through Rural Development Agencies, Punjab Scheduled Castes Land Development and Finance Corporation and Punjab Backward Classes Land Development and Finance Corporation. These agencies have their tie-up arrangements with the nationalised banks in the advancement of loans to economically weaker families already identified through a State-wide survey conducted in 1980-81. During the first three years of the Sixth Five-Year Plan interest-free loans amounting to Rs 121.84 crores were advanced to 3,82,594

families so as to lift them above the poverty line. Besides the Integrated Rural Development Programme (including TRYSEM), the National Dairy Development Project Operation Flood-II (1980—87) which is being implemented in the State through the agency of Milkfed with the financial assistance from NDDB/IDC is providing benefits to the basically milk producing families and thus promoting self-employment opportunities in the State.

**18.19** As already mentioned, the State Government is concerned about the problem of unemployment among educated persons. The survey of unemployed graduates and post-graduates conducted in the State recently would provide

useful information on various aspects of the problem and enable the State Government to take suitable steps to tackle it. The Government of India have recently launched a 'Scheme for providing self-employment to Educated Unemployed Youth' in Punjab as in other parts of the country. The objective of this Scheme is to encourage the educated unemployed youth to undertake self-employment ventures in industry, service and business through the provision of 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. Job opportunities would also be generated for these persons under the State Annual Plan, 1984-85.

## 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
<b>R ural—</b>				
Males	33,36,458	1,40,124	28,81,269	63,57,851
Females	1,44,000	4,10,227	51,37,182	56,91,409
Persons	34,80,458	5,50,351	80,18,451	1,20,49,260
<b>Urban—</b>				
Males	12,61,635	52,240	11,68,508	24,82,383
Females	97,723	65,149	19,75,240	21,38,112
Persons	13,59,358	1,17,389	31,43,748	46,20,495
<b>Total—</b>				
Males	45,98,093	1,92,364	40,49,777	88,40,234
Females	2,41,723	4,75,376	71,12,422	78,29,521
Persons	48,39,816	6,67,740	1,11,62,199	1,66,69,755

Source.—Census of India, 1981—Series 17—Punjab, Paper-I of 1981-Supplement, Provisional Population totals.

**ANNEXURE—II**

**Distribution of workers by cultivators, Agricultural Labourers, Household Industries and other workers in Punjab.**

Category	1971			1981			Increase during 1971—81 decade					
	Males	Females	Persons	Males	Females	Persons	Total			Percentage increase		
							Males	Females	Persons	Males	Females	Persons
1	2	3	4	5	6	7	8	9	10	11	12	13
Cultivators ..	16,61,020 (43·27)	4,133 (5·58)	16,65,153 (42·56)	17,32,819 (37·69)	25,195 (10·42)	17,58,014 (36·32)	71,799	21,062	92,861	4·32	509·60	5·58
Agricultural Labourers ..	7,78,613 (20·29)	8,092 (10·92)	7,86,705 (20·11)	10,39,683 (22·61)	65,138 (26·95)	11,04,821 (22·83)	2,61,070	57,046	3,18,116	33·53	704·97	40·44
Household Industries ..	1,18,764 (3·09)	5,338 (7·21)	1,24,102 (3·17)	1,50,573 (3·27)	15,796 (6·53)	1,66,369 (3·44)	31,809	10,458	42,267	26·78	195·92	34·06
Other Workers ..	12,80,120 (33·35)	56,512 (76·29)	13,36,632 (34·16)	16,75,018 (36·43)	1,35,594 (56·10)	18,10,612 (37·41)	3,94,898	79,082	4,73,980	30·85	139·94	35·46
Total Main Workers ..	38,38,517 (100·00)	74,075 (100·00)	39,12,592 (100·00)	45,98,093 (100·00)	2,41,723 (100·00)	48,39,816 (100·00)	7,59,576	1,67,648	9,27,224	19·79	226·32	23·70

*Note* .—Figures in brackets show percentages to total.

*Source* .—Census of India, 1981—Series 17—Punjab, Paper-I of 1981—Supplement, Provisional Population Totals.



## ANNEXURE—III

Percentage distribution of population (Age-group 15—59 years) in Punjab by usual activity status, residence and Sex, 1977-78

(Thirty-Second Round N.S.S.)

Activity Status	Rural		Urban	
	Male	Female	Male	Female
1	2	3	4	5
(a) Working Force ..	85.39	4.06	81.04	6.66
(b) Unemployed ..	2.14	0.18	2.69	1.26
(c) Labour Force (a+b) ..	87.53	4.24	83.73	7.92
(d) Outside Labour Force ..	12.47	95.76	16.27	92.08
Total ..	100.00	100.00	100.00	100.00

## ANNEXURE—IV (a)

Percentage distribution of Persons in Labour Force (Age-group 15—59 years) in Punjab by Sex, Residence and Educational Standard—National Sample Survey—32nd Round (1977-78)

(On current weekly activity status basis)

Educational Standard	Rural		Urban	
	Male	Female	Male	Female
1	2	3	4	5
1. Illiterate	53.88	73.12	20.44	41.70
2. Literate but below Primary	8.46	1.80	10.99	2.50
3. Primary	15.75	5.33	17.53	5.38
4. Middle	11.57	3.13	16.50	5.73
5. Secondary	8.73	14.11	26.27	28.08
6. Graduate and above	1.61	2.51	2.27	16.61
Total	100.00	100.00	100.00	100.00

## ANNEXURE—IV (b)

Percentage distribution of unemployed persons (Age-group 15—59 years) in Punjab by Sex, Residence and Educational standard—National Sample Survey—32nd Round (1977-78)

(On current weekly activity status basis)

Educational Standard	Rural		Urban	
	Male	Female	Male	Female
1	2	3	4	5
1. Illiterate ..	27.10	39.19	7.17	—
2. Literate but below Primary ..	5.84	—	7.17	—
3. Primary ..	10.33	—	20.56	3.68
4. Middle ..	18.71	—	10.59	8.82
5. Secondary ..	27.39	54.05	44.86	54.41
6. Graduate and above ..	10.63	6.76	9.66	33.09
Total ..	100.00	100.00	100.00	100.00

## ANNEXURE V

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, 1980	As on 31st March, 1985	Increase during 1980—85	Average Annual Increase
1	2	3	4	5
<b>Rural—</b>				
Males	.. 28.46	31.37	2.91	0.582
Females	.. 1.23	1.36	0.13	0.026
Persons	.. 29.69	32.73	3.04	0.608
<b>Urban—</b>				
Males	.. 9.58	10.56	0.98	0.196
Females	.. 0.76	0.84	0.08	0.016
Persons	.. 10.34	11.40	1.06	0.212
<b>Total—</b>				
Males	.. 38.04	41.93	3.89	0.778
Females	.. 1.99	2.20	0.21	0.042
Persons	.. 40.03	44.13	4.10	0.820

## ANNEXURE VI

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 31st March, 1980	As on 31st March, 1985	Increase during 1980—85	Average Annual Increase
1	2	3	4	5
<b>Rural—</b>				
Males	.. 27.76	30.60	2.84	0.568
Females	.. 1.18	1.30	0.12	0.024
Persons	.. 28.94	31.90	2.96	0.592
<b>Urban—</b>				
Males	.. 9.27	10.22	0.95	0.190
Females	.. 0.64	0.71	0.07	0.014
Persons	.. 9.91	10.93	1.02	0.204
<b>Total—</b>				
Males	.. 37.03	40.82	3.79	0.758
Females	.. 1.82	2.01	0.19	0.038
Persons	.. 38.85	42.83	3.98	0.796

## ANNEXURE VII

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, 1980	As on 31st March, 1985	Increase during 1980—85	Average Annual Increase
1	2	3	4	5
<b>Rural</b>				
Males	69.58	76.69	7.11	1.42
Females	5.23	5.77	0.54	0.11
Persons	74.81	82.46	7.65	1.53
<b>Urban</b>				
Males	30.77	33.92	3.15	0.63
Females	12.17	13.41	1.24	0.25
Persons	42.94	47.33	4.39	0.88
<b>Total</b>				
Males	100.35	110.61	10.26	2.05
Females	17.40	19.18	1.78	0.36
Persons	117.75	129.79	12.04	2.41

## ANNEXURE VIII

Statement showing the number of work-seekers (Category-wise) on the Live Register of Employment Exchanges in Punjab

Serial No.	Category	Number of work-seekers as on		Percentage increase / decrease during the year
		30th Sept. 1982	30th Sept. 1983	
1	2	3	4	5
1	Graduate Engineers	278	426	53.24
2	Diploma Engineers	2,963	3,468	17.04
3	I.T.I. Trained Craftsmen	19,236	20,247	5.26
4	Other Craftsmen	10,376	10,908	5.13
5	Allopathic Doctors	86	24	(-)-72.09
6	Doctors—Others	445	319	(-)-28.31
7	Paramedical Personnel	2,114	2,318	9.45
8	Agricultural Specialists	305	318	4.16
9	Veterinary Graduates	42	26	(-)-38.10
10	Dairy Graduates	2	—	—
11	Teachers (B.Ed. & M.Ed.)	18,732	19,935	6.12
12	Teachers (J.B.T.)	10,038	9,729	(-)-3.18
13	Teachers—Others	21,458	20,078	(-)-6.13
14	Total 1 to 13—Technical Personnel	86,075	87,796	2.10
15	Graduate Freshers	34,015	30,072	(-)-11.9
16	Post-graduate Freshers	7,943	8,705	9.9
17	Matriculate and below graduate freshers	1,33,724	1,43,885	7.0
18	Total 15 to 17—Educated freshers	1,75,682	1,82,662	3.7
19	Live Register other than covered under items 1 to 17	2,47,268	2,62,048	5.8
20	Total Live Register 14+18+19	5,09,025	5,32,506	4.4

## ANNEXURE IX

Tentative estimates of construction employment (Lakh person-days)

Total direct employment generated/to be generated under Annual Plans, 1979-80 to 1984-85 and the Sixth Five Year Plan, 1980-85

Sub-head of Development	1979-80 (Actual)	1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Anticipated)	1984-85 (Target)	1980-85 (Target)*
1	2	3	4	5	6	7	8
1. Agriculture ..	0.78	1.03	1.90	2.78	2.74	3.24	9.72
2. Minor Irrigation ..	32.76	37.54	34.42	46.50	46.39	65.39	285.35
3. Soil Conservation ..	10.62	5.50	6.91	14.53	20.46	21.00	84.24
4. Dairying and Milk Supply ..	0.46	0.74	1.01	0.49	0.38	0.88	5.88
5. Forests ..	8.79	19.37	23.54	28.67	36.00	35.60	98.90
6. Community Development and Panchayats ..	4.84	14.79	33.99	11.40	12.76	9.28	85.16
7. Co-operation ..	0.46	1.80	4.63	4.26	3.92	1.80	22.90
8. Irrigation ..	51.10	70.27	90.65	52.10	71.70	70.71	663.31
9. Anti-water logging, Drainage and Flood Control ..	46.49	22.93	20.00	27.07	20.26	26.80	70.00
10. Power ..	83.09	64.05	30.01	32.00	36.29	38.63	504.77
11. Roads and Bridges ..	13.65	11.00	12.48	11.86	15.32	15.03	67.15
12. Tourism ..	0.14	0.82	0.48	0.48	0.48	0.48	4.85
13. Rural Water Supply ..	4.90	6.24	5.76	4.50	12.41	10.08	122.86
14. Housing ..	12.1	21.81	18.38	38.43	7.82	6.98	226.20
15. Urban Development ..	9.6	14.50	14.80	10.38	4.14	4.14	60.00
16. Public Works ..	18.69	21.27	12.50	36.59	39.65	39.65	80.28
<b>Total ..</b>	<b>298.53</b>	<b>313.66</b>	<b>311.46</b>	<b>322.04</b>	<b>330.72</b>	<b>349.69</b>	<b>2391.57</b>

\*Aggregate of five years of the Sixth Five Year Plan.



## ANNEXURE—X

## Tentative estimates of continuing employment (Person-Years)

Total direct employment generated/to be generated under Annual Plans, 1979-80 to 1984-85 and the Sixth Five-Year Plan, 1980—85

Head/Sub-Head of Development	1979-80 (Actual)	1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Anticipated)	1984-85 (Target)	1980—85* (Target)
1	2	3	4	5	6	7	8
<b>1. Agriculture and Allied Sectors—</b>							
(i) Agriculture ..	2,191	2,961	2,957	3,229	3,479	3,882	4,004
(ii) Minor Irrigation ..	600	653	653	705	872	872	733
(iii) Soil Conservation ..	887	529	583	863	664	664	1,350
(iv) Animal Husbandry ..	754	1,207	2,464	2,574	2,889	3,241	5,504
(v) Dairying and Milk Supply ..	14	14	73	30	41	120	193
(vi) Fisheries ..	96	101	108	108	110	110	177
(vii) Forests ..	564	591	644	646	650	650	697
(viii) Community Development and Panchayats ..	21	21	21	34	34	42	23
<b>Total</b> ..	<b>5,127</b>	<b>6,077</b>	<b>7,503</b>	<b>8,189</b>	<b>8,739</b>	<b>9,581</b>	<b>12,681</b>
<b>2. Co-operation—</b>							
(i) Co-operation ..	2,218	2,284	2,785	2,931	3,206	3,314	8,341
<b>Total</b> ..	<b>2,218</b>	<b>2,284</b>	<b>2,785</b>	<b>2,931</b>	<b>3,206</b>	<b>3,314</b>	<b>8,341</b>
<b>3. Irrigation and Power—</b>							
(i) Irrigation ..	—	—	—	—	—	—	—
(ii) Anti-waterlogging, Drainage and Flood Control ..	—	—	—	—	—	—	—
(iii) Power ..	8,804	8,747	12,165	14,170	12,807	14,000	11,387
<b>Total</b> ..	<b>8,804</b>	<b>8,747</b>	<b>12,165</b>	<b>14,170</b>	<b>12,807</b>	<b>14,000</b>	<b>11,387</b>
<b>4. Industry and Minerals—</b>							
(i) Industry and Minerals ..	784	994	1,926	2,998	3,137	5,505	3,266
<b>Total</b> ..	<b>784</b>	<b>994</b>	<b>1,926</b>	<b>2,998</b>	<b>3,137</b>	<b>5,505</b>	<b>3,266</b>
<b>5. Transport and Communication—</b>							
(i) Civil Aviation ..	—	2	—	—	—	—	28
(ii) Roads and Bridges ..	—	—	—	—	—	—	—
(iii) Road Transport ..	619	1,633	1,894	1,894	1,894	1,894	5,924
(iv) Tourism ..	—	—	50	50	50	50	120
<b>Total</b> ..	<b>619</b>	<b>1,635</b>	<b>1,944</b>	<b>1,944</b>	<b>1,944</b>	<b>1,944</b>	<b>6,072</b>
<b>6. Social and Community Services—</b>							
(i) General Education ..	3,056	5,855	7,395	8,342	9,742	10,565	8,168
(ii) Technical Education ..	—	—	6	16	30	101	811

## ANNEXURE X—Concl'd

Head/Sub Head of Development	1979-80 (Actual)	1980-81 (Actual)	1981-82 (Actual)	1982-83 (Actual)	1983-84 (Anti- cipated)	1984-85 (Target)	1980-85* (Target)
1	2	3	4	5	6	7	8
(iii) Medical and Public Health ..	3,676	5,144	6,368	7,684	8,415	9,097	7,791
(iv) Rural Water Supply ..	155	91	71	117	264	176	312
(v) Housing ..	—	—	—	—	—	—	—
(vi) Urban Development ..	1,090	1,640	1,714	1,173	468	468	1,000
(vii) Information and Publicity ..	22	34	36	14	21	150	195
(viii) Labour and Labour Welfare ..	114	94	115	114	139	179	338
(ix) Welfare of Scheduled Castes and Backward Classes ..	—	—	—	—	—	—	—
(x) Social Welfare ..	—	6	6	—	—	—	—
Total ..	8,113	12,864	15,711	17,460	19,079	20,736	18,621
7. Economic Services—							
(i) Other General Economic Services ..	10	58	96	101	104	235	278
Total ..	10	58	96	101	104	235	278
8. General Services—							
(i) Printing and Stationery ..	12	13	36	63	179	179	173
(ii) Public Works ..	—	—	—	—	—	—	—
Total ..	12	13	36	63	179	179	173
Grand Total ..	25,687	32,672	42,166	47,856	49,195	55,494	60,819

\*Progressive total to be achieved by the end of the Sixth Five-Year Plan.

## Revised Minimum Needs Programme

The programme includes the following items of minimum needs :

- (1) Elementary Education ;
- (2) Adult Education ;
- (3) Rural Health ;
- (4) Houses for Homeless ;
- (5) Environmental Improvement of Urban Slums ;
- (6) Rural Water Supply ;
- (7) Nutrition ;
- (8) Rural Electrification ;

### General Education

19.1. Previously Elementary education (Primary and Middle) was included in the Minimum Needs Programme. Since 1979-80, Adult Education has also been added. An outlay of Rs. 649.93 lakhs has been provided in 1984-85 against the anticipated expenditure of Rs. 504.70 lakhs during 1983-84. The programme-wise details are given below :—

#### Primary Education (Class I—V) age group 6—11 :

19.2. There are about 12896 Primary Schools in the State and every revenue inhabited village have been provided with a Primary School. However, there is acute shortage of primary school buildings. A sum of Rs. 150.00 lakhs has been proposed for this purpose. Another allocation of Rs. 10.20 lakhs has been proposed for providing furniture to the schools. To tackle the problem of drop outs 250 non-formal education centres will be continued with a provision of Rs. 2.50 lakhs made for this purpose. Against the current year's outlay of Rs. 0.50 lakh a sum of Rs. 1.00 lakh is being set aside for paying TA/DA to the teachers receiving inservice training. Against the anticipated achievement of enrolment of 20.60 lakh students in 1983-84 it is proposed to enrol 19.71 lakh students during 1984-85 in this age-group.

#### Middle Education (Classes VI—VIII) age-group 11—14 :

19.3. Under this programme an outlay of Rs. 464.38 lakhs has been proposed for 1984-85 against current year's outlay of Rs. 374.70 lakhs. Proposed

outlay includes a provision of Rs. 282.60 lakh for maintaining the 262 schools upgraded from primary to middle standard from 1979-80 to 1982-83 as also 75 additional schools likely to be upgraded during the year 1983-84. Adequate allocation is being proposed for maintaining the various posts created during Sixth Five-Year Plan. At present there is a shortage of about 1000 science rooms in the Middle schools. A provision of Rs. 20.00 lakhs has been made for providing science rooms in 30 Middle schools at the rate Rs. 64,000 per science room. The target of enrolment for 1984-85 has been kept at previous years' level i.e. 8.70 lakh.

### Adult Education :

19.4. An allocation of Rs. 10.00 lakh has been proposed during the year 1984-85 for covering the adults of 15—35 age-group under this programme. Against the current years' anticipated achievement of enrolment of 0.89 lakh adults a target of enrolling 1.00 lakh adults under this programme has been fixed for 1984-85.

### Rural Health Services :

19.5. The major portion of the expenditure on rural health care services (allopathic) fall under the revised Minimum Needs Programme. In the Sixth Five Year Plan, there is a considerable emphasis on health facilities in rural areas. The major thrust is towards creating comprehensive and well structured rural health services. For 1984-85 an outlay of Rs. 547.00 lakh has been provided against the outlay of Rs. 469.10 lakh during the current year.

### Completion and Improvement of Primary Health Centres :

19.6. Out of 130 PHCs in the State building of 109 PHCs have been completed. The work is in progress at other 8 places which is likely to hang over to the year 1984-85. A sum of Rs. 31.00 lakh has been proposed to complete the construction work of these 8 places during 1984-85.

### Completion and Improvement of Sub-centres :

19.7. The number of sub-centres in the State was 2105 by the end of the Fifth Five Year Plan. 230

sub-centres have been opened during the year 1981-82 and 1982-83 and 100 more centres will be opened during 1983-84 under the Family Welfare Programme. The department has a target to open 165 sub-centres during 1984-85 under the Family Welfare Programme and thus bringing the total number of sub-centres to 2600 by the end of Sixth Five Year Plan to have one sub-centre for every 5000 rural population. A provision of Rs. 12.00 lakh including Rs. 1.80 lakhs capital) has been made for maintaining 512 sub-centres opened under Multi-purpose Workers scheme during 1979-80. The provision of capital side is to meet the spill-over requirement of building works of 5 sub-centres.

#### **Opening of Subsidiary Health Centres in Rural Areas :**

19.8. The base of the structure is the subsidiary Health Centre (Rural Dispensary). It has one doctor, one dispenser, 3 class IV employees and one male and one female multipurpose worker. It provides both preventive and curative services and also takes care of family welfare programme. There were 896 such dispensaries by the end of 1978-79 in the State. These dispensaries are being maintained under non-plan budget. 600 new dispensaries were opened in the 3 subsequent years. Thus 1496 dispensaries had been established by the end of 1981-82 and the target of providing one such dispensary for 10,000 rural population achieved. 50 more such dispensaries were set up during the year 1982-83. Another 30 Subsidiary Health Centres will be set up during the year 1983-84. The target for 1984-85 has been kept at current years' level. Against the provision of Rs. 390.35 lakh a sum of Rs. 490.00 lakh (Rs. 40.00 lakh capital) has been set aside for maintaining these dispensaries during 1984-85. Proposed capital provision contains Rs. 9.45 lakh for 13 spill-over works and taking up 20 new works during 1984-85. This provision will also take care of the construction of the building for Civil Dispensary Dholbaha under Kandi watershed area project.

#### **Houses for Rural Homeless :**

19.9. 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 at a cost of Rs. 4000 per house was entrusted to the Housing Board. Though sufficient funds were provided to Board during the previous years progress of construction work was slow. During 1978-79 Rs. 100 lakhs were provided to the Housing Development Board for the construction of 5,000 houses. The Board received matching loan assistance of Rs. 100 lakhs from HUDCO for this scheme. Since the Board could not complete the construction of 3946 houses during 1977-78. It was expected that by the end of 1978-79 construction of 8946 houses would be completed. Against this target the Board completed only 508 houses, while another 1600 houses were under construction. During 1979-80 a sum of Rs. 70.00 lakhs was provided for the construction of 3500 houses, but even this target could not be achieved and only 778 house were completed at the end of year. The Board also received matching loan assistance of Rs. 70.00 lakhs from HUDCO during 1979-80 for this purpose.

19.10. A review of the programme of housing for the homeless revealed that there was a need to push up its execution at a faster rate. Accordingly a sum of Rs. 170.00 lakhs was earmarked for this scheme in 1980-81, as against a provision of Rs. 70.00 lakhs in 1979-80. Matching assistance from HUDCO supplemented this amount. With this additional provision and a spill-over funds available with Housing Development Board for construction of houses under this programme, the construction of houses under this programme, the construction of 9919 houses (with revised cost of Rs. 6500 per house) was completed against the target of 3389 houses during 1980-81. With this achievement the entire backlog of the last 3 years was wiped out in a single year. To maintain the tempo of development under this scheme an expenditure of Rs. 285.00 lakhs was incurred during 1981-82 and the construction of 7421 houses was completed. During 1982-83, an expenditure of Rs. 285.00 lakhs was incurred for construction of 3475 additional houses and for meeting the repayment liability of HUDCO loan. During 1983-84, an outlay of Rs. 311.00 lakhs has been provided for the construction of these houses and for repayment of HUDCO loan instalments to the extent of Rs. 65.80 lakhs. A tentative target

of constructing 5450 houses has been fixed for this purpose. A study to assess the extent of benefit accruing to the beneficiaries under this scheme was conducted and it was found that occupancy rate of these houses was very low inspite of a very high percentage (86.4%) of subsidy given to the beneficiaries. In order to make the scheme more useful to the beneficiaries and for increasing the occupancy rate of these houses and for increased participation and involvement of the beneficiaries, the scheme is being recasted with a cost limit of Rs. 6500 per house according to HUDCO norm and allowing discretion to the beneficiaries to undertake construction of houses designed by Housing Development Board themselves after availing financial assistance for this purpose. An outlay of Rs. 156.37 lakhs has been proposed for the construction of additional 1925 houses and for repayment of Rs. 89.00 lakhs as HUDCO loan liability during 1984-85.

#### Environmental Improvement of Slums

19.11. For environmental improvement of slums such as drinking water, pavement of streets, pucca-drains, street-lights, public urinals and latrines etc. an expenditure Rs. 19.00 lakhs, 80.00 lakhs and Rs. 80.00 lakhs was incurred during 1980-81, 1981-82 and 1982-83. An outlay of Rs. 80.00 lakhs has been provided for this scheme during 1983-84, in order to cover additional population of 60,000 persons. Against this outlay, an anticipated expenditure is Rs. 180.00 lakhs. An outlay of Rs. 141.00 lakhs has been proposed for this scheme to cover 85000 persons under this programme during 1984-85.

#### Rural Water Supply:

19.12. The problem of safe drinking water supply is more acute in the rural areas, where sources 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 meters) ; or
- (ii) the villages where the sources of water supply are endemic to water borne

diseases like cholera and Guina Worms ; or

- (iii) the villages which suffer from excess salinity, iron or flouride from its water supply.

There are 3,712 identified scarcity villages in the State. Out of these villages 2152 villages were provided piped water supply by the end of 1982-83.

19.13. 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 meters and a skelton distribution system catering to public stand posts only. In 1976 the criteria were further liberalised to 15 gallons (70 liters) per head per day and terminal pressure of 8 meters. According to revised criteria the augmentation of water supply to the already commissioned villages require an additional sum of Rs. 40.00 crores. Year-wise expenditure incurred since 1974-75 is given below :—

#### Minimum Needs Programme :

Year	Expenditure (Rs. in crores)
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
<b>Total</b>	<b>49.98</b>

**Accelerated Rural water Supply Schemes :**

(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
Total	..	6.23
Grand Total	..	56.21

Physical Progress of the Rural Water Supply programme is given below :—

Year	No. of villages	
	Commi- ssioned	Work in progress at the end of the year
upto 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
Total	.. 2152	

\*Includes certain Tikas, hamlets which were part of the revenue villages, but were counted as separate villages earlier. \*\*The work in additional 9 village was initiated during the year 1981-82.

19.15. By March, 1983 water supply schemes had been commissioned in 2152 villages at a cost of Rs. 56.21 crores. During 1983-84, an outlay of Rs. 8.00 crores has been provided to cover additional 125 villages under this scheme.

19.16. Keeping in view the importance of the scheme under 20 point Programme and the Minimum Needs Programme, it has been decided to enhance the outlay from Rs. 8.00 crores in 1983-84 to Rs. 9.00 crores to cover 165 villages. After conducting a review of this scheme, it has been decided to give top priority to the covering of those villages, where the water supply is endemic to water borne diseases or suffers from excess of salinity, iron or fluoride etc. At present the schemes in respect of 516 villages have already been approved and the work in those villages is in progress. Out of these villages 412 villages have been identified as health hazard villages in the state. There are 386 more health hazard villages in the state for which the water supply schemes are yet to be approved. An outlay of Rs. 10.00 crores has been proposed for this scheme during 1984-85. It is proposed to commission water supply in 200 health hazard villages (165 under MNP+35 under ARP) as against commissioning of water supply in 165 villages during 1983-84. A liberal allocation under ARP is needed to cover at least the health hazard villages by the end of Sixth Five- Year Plan as envisaged under 20 Point Programme and Minimum Needs Programme.

**NUTRITION**

19.17. Proper nutritive diet for the children especially of the under privileged classes is one of the major problems affecting the physical and psychological development of such 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 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 :**

19.18. Under the Special Nutrition Programme both children below 6 years and expectant and nursing mothers are provided nutritive diet at the rate

of 35 paise per day and severely affected at the rate of 0.60 paise per day per beneficiary for 250 days in the year. This programme at present covers five district, namely, Kapurthala, Hoshiarpur, Gurdaspur, Ferozepur and Faridkot of the State.

#### **I.C.D.S. Projects :**

19.19. The I.C.D.S. projects provide a package of health nutrition and pre-school educational services to children below 6 years and also the expectant and nursing mothers. These projects are presently being run in 29 blocks. In these projects the traditional food 'Dalia' etc. is given. Expenditure on diet is met from the State Plan budget and the administrative charges are paid by the Government of India on non-plan side. To provide nutritive diet under Special Nutrition Programme and also I.C.D.S. Projects an outlay of Rs. 100.00 lakhs has been proposed for 1984-85 to benefit 1.35 lakh beneficiaries.

## **POWER**

### **Rural Electrification/MNP**

19.20. 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. 12.00 crores has been proposed for this programme for 1984-85 against the anticipated expenditure of Rs. 6.90 crores during 1983-84.

## World Bank Aided Projects

The Punjab State has taken up the following Projects with financial assistance from the World Bank:—

- (a) Water Supply and Sewerage-IDA Project in eight selected towns ;
- (b) Kandi Watershed and Area Development Project ;
- (c) Punjab State Seeds Corporation ;
- (d) Integrated Cotton Development Project ;
- (e) Irrigation Projects of Punjab.

20.2. For the Sixth Five-Year Plan 1980—85 an outlay of Rs. 22930.01 lakhs has been provided against which an amount of Rs. 6648.26 lakhs would accrue to the State as World Bank assistance. Expenditure during 1980-81, 1981-82 and 1982-83 has been Rs. 3496.04 lakhs, Rs. 4328.47 lakhs and Rs. 3860.47 lakhs respectively. It is likely that an expenditure of Rs. 3,797.40 lakhs would be incurred during 1983-84. For the Annual Plan 1984-85 the outlay proposed for these projects is Rs. 3906.59 lakhs against which the amount reimbursable from the World Bank/I.D.A. is estimated at Rs. 1130.10 lakhs. Salient features of these projects are given below:—

### 1. Water-Supply and Sewerage IDA Project :

20.3. Due to rapid haphazard urban development, there has been a considerable deterioration in the living environments in the Urban towns of the State. The situation has been further accentuated due to the inability of local bodies to provide basic public utility services owing to lack of finances at their disposal. Taking cognizance of the insanitary conditions prevailing in the urban areas, the State Government has given high priority to the safe drinking water and underground sewerage system which would eliminate the age old practice of the carrying of night soil as head loads by the sweepers and scavengers. For the implementation of this programme the Punjab Water Supply and Sewerage Board came into existence in September, 1976. This ambitious programme could not be implemented by the local bodies due to lack of adequate funds at their disposal and also due to

meagre allocation available for this purpose in the Annual Plan of the State Government. It is with this background that the Punjab Government formulated a scheme "Water Supply and Sewerage Project" for implementation in eight towns of the State namely, Amritsar, Jullundur, Ludhiana, Patiala, Bhatinda, Moga, Pathankot and Rajpura at an estimated cost of Rs. 66.70 crores. The cost is to be borne by the following agencies as under:—

(Rs in lakhs)		
1. I.D.A. through Government of India	..	35% 22.61
2. State Government	..	15% 10.07
3. L.I.C.	..	20% 13.00
4. Municipal Corporation/ Municipal Committee concerned	..	30% 21.02
Total		.. 66.70

20.4. The funds from the World Bank will flow on the basis of actual expenditure incurred from year to year. Provision of Rs. 3494.00 lakhs has been made for this project in the Sixth Five-Year Plan against which the amount reimbursable by the World Bank would come to Rs. 1222.90 lakhs which is at the rate of 35 per cent of the total provision for the respective plants. This will facilitate the State Government to provide:—

- (i) Flush toilets in the dwelling units for which an amount of Rs. 18.00 crores would be disbursed to the poorer sections of society in the form of loans on soft rates recoverable over a long period and partly as an outright grant.
- (ii) The existing water connections are proposed to be metered.
- (iii) To make the project viable, it is proposed to introduce the Sewerage charges from the beneficiaries.



20.5. The Project provides for consultancy services to prepare feasibility reports in respect of sewerage treatment plants in all the 8 towns for which the World Bank has agreed to provide loan. The project was started during 1978-79 and was scheduled to be completed by March, 1982. But due to delay in signing of various agreements and shortage of inputs the completion of project is likely to be extended upto March, 1983. During 1980-81, 1981-82 and 1982-83 an expenditure of Rs. 11.60 crores, Rs. 13.00 crores and Rs. 9.09 crores was incurred. Since the total amount of I.D.A. loan and Government of Punjab shares for the project has been provided to Punjab Water-Supply and Sewerage Board by the end of 1982-83, no outlay for this project has been provided for 1983-84 and 1984-85. The physical progress of the project is given below.

20.6. Achievements in respect of water-supply, distribution lines, lateral sewerage, Water connections and metering of unmetered connections are given below:—

1. Water-Supply distribution lines	646.142 Kms.	99%
2. Lateral Sewers	838.519 Kms.	99%
3. W.C. Connection	113.723	15%
4. Water Connection	327.02	70%
5. Metering of unmetered connections	34941	70%

## II. Kandi Watershed and Area Development Project

20.7. 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 affect 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 nutshell, all these factors resulted in poor living conditions, low agricultural productivity, inadequate infrastructural facilities and lack of economic self-reliance amongst the local people.

20.8. The project area comprises 5 watersheds (Dholbaha, Janauri, Chohal, Maili and Patiala Ki-Rao) in the Kandi area tract and includes agricultural lands South of Chandigarh-Hoshiarpur road which is affected by floods generated by heavy rains in Shivalik hills. The main focus of the project, however, is on the Kandi tract identified as most backward area in the State which lies within the administrative districts of Hoshiarpur and Ropar. It covers an area of about 4500 Sq. Kms. (9% of the total area of the State) and contains some 6% of the Punjab's population.

20.9. The Project has been under execution w.e.f. 1st April, 1980 at a cost of Rs. 51.05 crores although some of the line departments were allowed to execute petty works under retroactive financing even during the year 1979-80. Rehabilitation of upper catchments through reafforestation-cum-Soil Conservation and livestock improvement programmes was allowed in all the five selected choes Dholbaha, Janauri, Chohal, Maili and Patiala-Ki-Rao. But the command area development works were allowed only after the completion of feasibility reports for these choes, except Dholbaha wherein the command area development through irrigation, flood control, land levelling and horticultural development were allowed right from the beginning. In addition, agricultural research and investigation into Micro-watershed hydrology formed an important component of the project which was attended to by the P.A.U. authorities. The G.O.P. line departments were further involved at planning and implementation stage, through working arrangements with the internationally recruited team of consultants. All available natural and man made resources i.e., land, water, vegetation, livestock and human resources will be rationally utilised by the various line departments through integration of activities and proper co-ordination

for generation of economic utilities and their use on sustained basis in perpetuity.

20.10. This inter-disciplinary integrated development project is being executed by the GOP line departments which are primarily responsible for economic development sector. The various departments directly involved with the Project implementation are listed below :—

- (i) Forest.
- (ii) Soil Conservation and Engineering.
- (iii) Animal Husbandry.
- (iv) Horticulture
- (v) Fisheries.
- (vi) P.A.U., Ludhiana.
- (vii) Irrigation Branch.

20.11. In addition, other departments responsible for provision of socio-services like Education, Health, Roads, Water Supply and Electricity are also associated and advised to provide services out of the funds allocated under State Plan schemes to the respective departments.

20.12. This pilot project would be the first comprehensive attempt to tackle the problems of the Himalayan sub-mountainous zone. Its primary objectives would be to lay the basis for sustained investments on larger scale in future to :—

- (a) reverse man-made ecological degradation that has been going on in the lower foothills of the Himalayas for decades and ;
- (b) protect and develop agricultural land that is presently subject to serious erosion and flooding.

20.13. In addition, the project also aims at strengthening GPO's capacity to plan, implement and monitor similar projects in other watersheds of the sub-mountainous zone. The various project components may briefly be described as under :—

- (1) Rehabilitation of the upper catchments through afforestation, soil conservation and comprehensive development package for farmers and livestock owners.
- (2) Flood protection, irrigation of farm lands in the command area below the hills.
- (3) Development of farm lands through land improvement like soil and water conservation, horticulture, livestock and fisheries development.
- (4) Technical assistance, research and investigation.
- (5) Project formulation, planning and monitoring.

20.14. The financing pattern of the project is as under :—

Name of the Project/ Component	1979-80 actual expendi- ture	Outlay for the Sixth Plan	Amount reimburs- able by the World Bank against the pro- vision for 1980-85	1980-81 actual expendi- ture	1981-82 actual expendi- ture	1982-83 actual expendi- ture	1983-84		1984-85		
							Outlay	Antici- pated expendi- ture	Outlay	Amount- reimbu rs able by World Bank	
	1	2	3	4	5	6	7	8	9	10	11
Kaaji watershed and area Develop- ment-											
panjab Agriculture University ..	4.99	25.55	8.94	5.16	16.79	39.16	12.86	12.86	15.00	5.25	
horticulture ..	5.62	70.00	24.50	8.22	10.40	3.59	13.50	13.50	17.50	6.13	
soil conservation ..	20.94	296.00	103.60	24.07	36.82	43.12	112.00	112.00	77.00	26.95	

(Rs. in lakhs)

1	2	3	4	5	6	7	8	9	10	11	
Animal Husbandry	..	—	406.30	142.21	2.93	23.26	29.30	57.00	57.00	45.00	15.75
Forest	..	14.06	611.00	213.85	16.13	67.24	124.97	237.00	237.00	245.34	85.87
PPCU	..	—	—	—	1.94	2.85	3.52	4.34	4.34	5.00	1.75
Fisheries	..	—	64.00	22.40	2.69	8.22	29.22	23.00	23.00	33.00	11.35
<b>Total Agriculture Portion</b>	..	45.61	1472.85	515.50	61.14	165.58	272.88	459.70	459.70	437.84	132.5
<b>Irrigation</b>											
<b>Dholbaha Dam</b>											
(i) Irrigation portion	..	19.21	584.00	204.40	51.76	178.23	174.59	250.00	250.00	270.00	94.50
(ii) Drainage portion	..	—	*	—	—	23.50	84.93	100.00	100.00	80.00	28.00
Other Watersheds	..	—	996.00	348.60	—	16.82	15.79	100.00	100.00	187.00	65.45
Water Resources	..	—	265.00	92.75	46.29	50.55	45.29	21.00	21.00	30.00	10.50
<b>Total Irrigation Portion</b>	..	19.21	1845.00	645.75	98.05	269.10	320.60	471.00	471.00	567.00	198.45
<b>Grand Total</b>	..	64.82	3317.85	1161.25	159.19	434.68	593.48	930.70	930.70	1004.84	331.71

\*Provided under main scheme of flood control and drainage.

### Punjab State Seeds Corporation :

20.15. The Punjab State was selected for participation in the first phase of National Seed Programme alongwith three other States viz., Andhra Pradesh, Haryana and Maharashtra. The National Seed Programme has been instituted by the Government of India with financial assistance of the World Bank to restructure the Seed Industry and improve the quality and quantity of seed produced for increasing agricultural production in the country. The Punjab State Seeds Corporation came into existence on 27th March, 1976 and was registered as a Public Limited Company under the Companies Act, 1956 to form a part of the National Seed Programme and for the purpose of undertaking production of certified seeds in sufficient quantities at reasonable prices to support the National Seed Programme. The authorised share capital of the Corporation is Rs. 5.00 crores divided into 3,75,000 equity shares of Rs. 100 each and 1,25,000 preference shares of Rs. 100 each. The issued capital of the Cor-

poration is allotted in the following proportion —

Punjab Government	..	5%
Growers in the project area	..	5%
National Seed Corporation	..	90%

20.16. The State was committed to contribute Rs. 70.00 lakhs towards the share capital of the Corporation which was provided upto 1981-82. No provision was made for 1982-83 and 1983-84. However, keeping in view the immediate requirement of the Corporation, a sum of Rs. 100.00 lakhs has been provided to PSSC for 1984-85 as State share capital to enable the Corporation to complete their three Seed Processing Plants at Kartarpur, Ludhiana and Kotkapura where the works are already in progress and for the working capital required for the processing of 1.90 lakh quintals of seeds during 1984-85. The Punjab State Seeds Projects envisage a total area of about 16,000 hectares to be brought under seed production out of a total cultivated area of about 80,000 hectares in Ludhiana District (part of Ludhiana and Mangat Blocks), Jullundur District (Jullundur East, Jullundur West and parts of

Alampur and Nawanshahar Blocks) and Faridkot District (parts of Muktsar, Malout and Kot

Kapura Blocks). The likely supply of certified seeds and the targets for 1984-85 are as under :—

(in Quintals)

Seed	1980-81	1981-82	1982-83	1983-84	1984-85
1	2	3	4	5	6
wheat	42,046	36,236	32,362	31,671	75,000
peas	17,500	13,823	20,308	16,013	40,000
gram	685	1,393	300	800	7,200
maize	1,350	1,200	217	239	6,500
cotton	2,450	681	1,284	1,486	10,000

#### Integrated Cotton Development Project :

20.17. The agreement regarding Integrated Cotton Development Project was signed with the World Bank authorities, on 26th February, 1976. The Project is being implemented in Muktsar block from 1st April, 1976 for a period of five years. The total estimated cost is Rs. 2.5 crores. The objectives of the project are :—

- (i) to increase productivity of cotton from 2½ quintals to 20 quintals per hectare ;
- (ii) to produce long staple cotton needed by the Textile Industry;
- (iii) to improve the quality of ginning by advancing credit to cotton ginning sectors for purchase of spares, etc. ;
- (iv) to provide high quality cotton seed products ; and
- (v) to provide other facilities to the growers including credit for successful cultivation of cotton crops.

20.18. Fifty per cent of the cost of Civil Works, machinery and equipment is reimbursable by IDA to Government of India who passes on to the State Government 35 per cent of the actual expenditure.

20.19. Ninety per cent of incremental credit is advanced by ARDC to the participating Banks and 75 per cent of this amount is reimbursed by IDA to the Agriculture Refinance Development Corporation.

20.20. No expenditure has been incurred under the component Modernisation of Cotton Ginning and Pressing Factories. The Government of India has already been informed that as adequate credit facilities on lesser rate of interest are available to the Cotton factory owners from other sources like Punjab Financial Corporation and also the adoption of open general licensing policy of Government of India, they are not coming forward to avail of the credit facility under the project. The progress made under the project is indicated below :—

Item	Unit	Achievement 1980-81	1981-82 Anticipated Achievement	1982-83 Estimates	1983-84 Anticipated achievement	1984-85 Targets
1	2	3	4	5	6	7
1. Cotton Area to be sown/sown	.. (Hectares)	24,515	27,300	27,000	29,515	29,500
2. Fertilizer Consumption (N 20%)	.. (Tonnes)	12,230	13,500	13,000	17,542	17,515
3. Ground Spray	.. (Gross Hectares)	80,576	64,348	70,000	39,000	1,80,000
4. Aerial Spray	..	27,473	24,339	30,000	22,869	25,000
5. Incremental Credit	.. (Rs. in lakhs)	104	130	150	152	208

20·21. Need based Spraying is carried out with the help of Scouts engaged for the purpose. This helps in the right use of pesticides at the right time. As a result of the work done in the project the average yield of cotton in the project area is about 20 per cent more as compared to the neighbouring blocks. The plan provision for the Annual Plan 1984-85 is Rs 2.75 lakhs which is only for the continuance of the existing staff.

#### V. Irrigation Projects of Punjab :

20·22. With the complete harnessing of available water resource 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 previous water from seep-

age/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.

20·23. 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 crore)

Component	Phased requirement of funds					
	1979-80	1980-81	1981-82	1982-83	1983-84	Total
1	2	3	4	5	6	7
Modernisation of canals (Rescheduled)	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 (Rescheduled)	16·25	22·90	24·50	26·25	28·05	117·95
Project Preparation Facilities (IDA)	0·12	0·12	0·12	0·12	0·2	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 :

20·24. 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. 100.00 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 four years period of 1979-80 to 1982-83 a length of 2,559 kms. of channels has

been completed at a cost of Rs. 62·00 crores. Against the anticipated expenditure of Rs. 22·00 crores during the year 1983-84 an outlay of Rs 22·00 crores has been provided for the Annual Plan 1984-5 for lining 435 Kms. of channels. The State Government would receive reimbursement of 3 per cent of the cost of works completed during the course of the year. The Govt. of India, would however, get 50 per cent of the cost of works completed from the World Bank.

#### (ii) Pilot Demonstration :

20·25. 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 technique, 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. 280.00 lakhs is scheduled to be completed in a period of four years.

20.26. The Directorate of Irrigation Pilot Demonstration and Project Co-ordination will devise ways and means to moderate 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 new 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

coveyance system and special studies. Against an anticipated expenditure of Rs. 84.00 lakhs during 1983-84, Rs. 24.00 lakhs have been provided in the Annual Plan for 1984-85.

### (iii) Lining of Water Courses

20.27. 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 by one year. 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 cos: (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. Bank's share at 80% of Item (3) (in crores of Rs.) ..	13.00	18.32	19.60	21.00	22.44	94.36

\*Totals will not tally because of rephasing.

20.28. During the first four years of the project, against the target to line 12020 kms. of water courses the State Tubewell Corporation could line only 8304 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 3500 kms. of water courses during 1983-84 for which State share amounting to Rs. 5.80 crores have been provided. It is targeted to line further 3396 kms. of water courses during 1984-85. For this purpose State share amounting to Rs. 5.75 crores has been

provided in the Annual Plan 1984-85.

### Project preparation facilities

20.29. The work is to be undertaken and financed wholly by I.D.A.

20.30. The provision of funds for the various World Bank aided projects being undertaken by the Punjab State during the Sixth Five-Year Plan, actual expenditure during 1980-81, 1981-82 and 1982-83 anticipated expenditure during 1983-84 and the provision proposed and the amount reimbursable against the provision during 1984-85 is given in the Annexure.

## ANNEXURE

## ANNUAL PLAN 1984-85 AND SIXTH FIVE-YEAR PLAN 1980-85

## Projects assisted by IDA/World Bank

(Rs. in lakhs)

Name of the Project/ Component	Outlay for the Sixth Plan 1980-85	Amount reimburs- able by the World Bank against the provision for 1980-85	1980-81 actual expendi- ture	1981-82 actual expendi- ture	1982-83 actual expendi- ture	1983-84		1984-85	
						Outlay	Antici- pated expendi- ture	Outlay	Amount reimburs- able by World Bank
1	2	3	4	5	6	7	8	9	10
Water Supply and Sewerage—IDA Project in 8 selected Towns—									
(i) IDA Loans ..	1,685.60	589.96	1160.00	1300.00	909.00	—	—	—	—
(ii) State Government share   ..	722.40	252.84							
(iii) LIC loans ..	1086.00	380.10							
Total I   ..	3494.00	1222.90	1160.00	1300.00	909.00	—	—	—	—
II. Kandi Watershed and Area Development Project	3,317.85	1,161.25	159.19	434.68	593.48	930.70	930.70	1,004.84	351.70
III. Punjab State Seed Corporation ..	54.00*	—	10.00	11.00	—	—	—	100.00*	—
IV. Integrated Cotton Development Project ..	17.16	6.01**	13.34	2.16	2.26	2.70	2.70	2.75*	—
V. Irrigation Project of Punjab—									
(1) Modernisation of canals ..	11887.00	4160.45	1556.04	1958.03	1581.09	2200.00	2200.00	2200.00	770.00
2. Pilot Demonstration ..	279.00	97.65	15.47	17.60	44.64	84.00	84.00	24.00	8.40
3. Lining of Water Courses	3881.00*	—	582.00	605.00	730.00	580.00	580.00	575.00*	—
Total V ..	16047.00	4258.10	2153.51	2580.63	2355.73	2864.00	2864.00	2799.00	778.40
Grand Total ..	22930.01	6648.26	3496.04	4328.47	3860.47	3797.40	3797.40	3906.59	1130.10

\*Only State share is provided for which no amount is reimbursable.

\*\*50% cost of civil works and equipment incurred by PAU.

## District Planning

The Punjab Government have set up District Planning Boards and the Block Planning Committees. At the district level, Deputy Commissioner is the Chairman of the District Planning Board and the District Statistical Officer is the Member-Secretary. At the Block level, Committee is presided over by the Sub-Divisional Magistrate with Block Development Officer as the Member-Secretary. At the State level this work is being supervised by a P. C. S. Officer. 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, One Year Plan) 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 Board within the fixed time-limit for inclusion in the State Level Plan.
- (iii) After the finalisation of the State Level Plan 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 District/Block level for various administrative reasons. For the same reasons decentralisation of financial powers by the Heads of Department is also causing a handicap.

**21.3** As a result of continued concerted efforts of the Punjab Government, the district-wise divisible plan expenditure has steadily increased from 25.68 per cent in 1980-81 to 28.24 per cent during 1981-82.

**21.4** The district-wise distribution of divisible Plan schemes is published in the form of a booklet and is made available to District Planning Boards and other concerned in order to facilitate them to review the schemes accordingly. The sector-wise break-up of financial targets/expenditure under major needs of development for the year 1980-81, 1981-82, 1982-83 and 1983-84 as also for 1984-85 are given in the Statement DP-I.



## Implementation of new 20-Point programme

The main objective of the Programme is to provide greater dynamism to priority areas of national development. The programme would ameliorate the economic condition of the poor sections of the society, provide social justice to the people, accelerate productivity both in agricultural and industrial sectors, 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 coordinate this Programme in a meaningful manner. A whole time P.C.S. Officer has been posted to superwise the work of this Department. The Punjab State also have constituted the State Level and District Level Implementation Committees, in order to ensure that the Programme is implemented in its right earnest and its gains reach the deserving poor. In order to implement the Programme at the grass root level, the district level implementation committees, of which Deputy Commissioners of the respective districts are the chairman, hold the monthly/quarterly review meetings regularly, so that the bottlenecks experienced, in the implementation of the Programme, are timely removed.

**22.3** The progress of the Punjab State in the first year of the Programme i.e., 1982-83, was adjudged bracketed sixth by the Government of India despite the fact that no weightage was given for the Programmes where the State has already made 100% achievements/coverage, such as 'All Villages electrified', 'all eligible persons allotted house sites', '100% enrolment in age-group 6-11' 'no known incidence of bonded labour.'

### Outlays

**22.4** An amount of Rs. 451.22 crores both on the Plan (including Centrally-Sponsored) and Non-Plan side was spent during 1982-83, the first year of the Programme. Keeping in view the importance of the Programme and State Governments seriousness towards its implementation, the outlay for 1983-84 was substantially enhanced to Rs. 530.85 crores, giving an overall step up of 17.65% over 1982-83. A sum of Rs. 550.56 crores has been proposed for the year 1984-85. The year-wise

funds earmarked for the Programme are depicted below :—

(Rs. in crores)				
Year	Plan	Centrally Sponsored	Non-Plan	Total
1	2	3	4	5
1982-83 (Actuals)	292.21	21.56	137.45	451.22
1983-84 (Approved Outlay)	322.80	31.99	176.06	530.85
1984-85 (Proposed Outlay)	340.80	32.76	177.00*	550.56

\*Provisional.

### Achievements 1982-83

**22.5** The performance of the State during 1982-83 was fairly satisfactory. Out of the 16 Programmes chosen by the Planning Commission, for purpose of monthly reporting by the 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 was on items IRDP, NREP, Scheduled Castes Families to be economically assisted, drinking water problem solved, pump-sets to be energised and tree plantation, which are closely linked with the socio-economic life of the poor sections of the society and directly result in supplementing their income.

**22.6 1983-84**—The Punjab State topped in the implementation of the Programme for the Months of July-August, 1983 and was bracketed second alongwith three other States for the month of September, 1983. The State has also secured second position for the month of October, 1983. The Punjab State has already made 100% achievement in respect of the items 'ICDS Blocks to be sanctioned', 'Sub-centres to be set up' and for the Programme surplus land to be allotted, the achievement is 82% upto the end of

October, 1983. The achievement in respect of the following programmes has been more than 50% up to the end of October, 1983.

- (1) IRDP.
- (2) NREP.
- (3) Drinking water problem solved.
- (4) Slum population covered.
- (5) Pump-sets to be energised.
- (6) Tree Plantation.
- (7) Village and Small Scale Units set up.

The State Government will strive hard to achieve the targets fixed by the Government of India

for the year 1983-84, although for some of the programmes, these have been fixed unilaterally/arbitrarily by the Government of India and are not in consonance with the State's targets, based on financial resources and physical constraints. The item-wise achievements are given in Annexure II.

**22.7 1984-85**—The programme/scheme-wise outlays proposed for the year 1984-85 are given in statement TPP-I and Physical targets in statement TPP-II, which are appended to the State Annual Plan 1984-85.

**22.8** An outlay of Rs. 5.00 lakhs has been proposed for the purposes of publicity and provisioning of the staff for the implementation of 20-Point Programme.

## ANNEXURE I

## Targets and Achievements—1982-83

Point No.	Item	Unit	Target	Achievement	% of Performance
1	2	3	4	5	6
3	(a) IRDP	.. No. of families benefitted	70800	98435	19.0
	(b) NREP	.. Mandays employment generated	2800000	2828250	11.0
4	Surplus land allotted	.. '000' acres	11.4*	5.543	3.6.
*figures could not be reconciled with Government of India.					
7	Scheduled Castes families to be economically assisted..	No.	84914	84452	9.46
8	Drinking water problem solved	.. No. of villages	70	77	11.00
9	(a) House sites allotted	.. No.	All eligible persons have been allotted house sites.		
	(b) Construction assistance provided	.. No.	5400	3475	6.35
10	(a) Slum population covered	.. No.	60000	74592	12.32
	(b) E.W.S. houses provided	.. No.	14611	(targets could not be reconciled with the G.I.)	
11	Rural Electrification				
	(a) Villages to be electrified	..	All the inhabited villages of the State have been electrified.		
	(b) Pump-sets to be energised	.. No.	20000	25766	128.3
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 & Small Scale units set up	.. No.	11300	11502	101.8

## ANNEXURE II

## Targets—1983-84 and Achievements upto October, 1983

Point No.	Item	Unit	Target 1983-84	Achievement upto October, 1983	%age performance
1	2	3	4	5	6
3	(a) IRDP	.. No. of families benefitted	70800	43074	60.84
	(b) NREP	.. Mandays employment generated	2343000	1209821	51.64
4	Surplus land allotted	.. '000' acres	2	1.647	82.35
7	Scheduled Castes families to be economically assisted	No.	95431	36967	38.74
8	Drinking Water Problem solved	.. No. of villages	125	65	52.00
9	(a) House sites allotted	.. No.	All eligible persons have been allotted house sites		
	(b) Construction assistance provided	.. No.	4482	133	2.97
10	(a) Slum population covered	.. No.	166000	83097	50.06
	(b) E.W.S. Houses provided	.. No.	1500	85	5.67
11	Rural Electrification				
	(a) Villages to be electrified	.. No.	All inhabited villages of the State have been electrified		
	(b) Pump-sets to be energised	.. No.	25000	13110	52.40
12	(a) Trees planted	.. No. ('000')	80000	45776	57.22
	(b) Bio-gas plants set up	.. No.	1250	601	48.08
13	Sterilisations to be done	.. No.	128500	47332	36.83
14	Sub-Centres set up	.. No.	100	100	100.00
15	ICDS Blocks sanctioned	.. No.	12	12	100.00
18	Village & Small Scale Units set up	.. No.	11700	6539	55.89

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# PART II

STATEMENTS

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**PART II**  
**STATEMENTS**

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## DRAFT ANNUAL PLAN 1984-85

## STATEMENT—1

## HEADS OF DEVELOPMENT

## OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
I. Agriculture and Allied Services ..	100	20652.00	3352.27	3662.32	3573.79	5013.00	5013.00	5795.00	1258.54
Research and Education	101	1000.00	183.76	217.50	219.09	260.00	260.00	348.00	112.90
Crop Husbandry ..	102	7187.25	955.60	1017.28	931.33	1164.60	1164.60	1530.20	405.00
Soil and Water Conservation ..	103	2060.00	248.79	281.74	309.94	510.00	510.00	507.00	165.00
Food ..	105	17.00	5.25	0.67	5.27	—	—	5.00	5.00
Animal Husbandry	106	1349.00	269.36	320.90	353.94	500.00	500.00	620.00	46.24
Dairy Development	107	236.00	61.80	48.79	54.57	65.00	65.00	55.00	30.90
Fisheries ..	108	175.00	29.31	28.27	46.44	55.00	55.00	75.00	38.00
Forests ..	109	1290.00	290.14	250.84	280.97	450.00	450.00	491.00	25.00
Investment in Agricultural Financial Institutions ..	110	1723.00	278.90	318.25	280.50	355.00	355.00	347.00	347.00
Marketing ..	111	79.75	37.35	8.89	12.65	20.40	20.40	14.80	10.00
Storage and Warehousing	112	120.00	20.00	22.00	25.00	25.00	25.00	25.00	25.00
Sub-Total (101 to 112)	113	15237.00	2380.26	2515.13	2519.70	3405.00	3405.00	4018.00	1210.04
Special Programmes for Rural Development ..	120	3600.00	323.83	579.05	734.69	937.00	937.00	1034.00	—
(i) Integrated Rural Development Programme (IRDP) ..	121	1975.00	323.83	339.75	468.00	472.00	472.00	472.00	—
(ii) National Rural Employment Programme (NREP) ..	122	1625.00	—	—	250.12	360.00	360.00	360.00	—
(iii) Other Programmes (to be specified) ..	125	—	—	239.30	16.57	105.00	105.00	202.00	—
Community Development and Panchayats ..	130	1815.00	648.18	568.14	319.40	671.00	671.00	743.00	48.50
II. Cooperation ..	200	4150.00	544.88	805.83	862.17	805.00	805.00	1065.00	932.72
III. Irrigation Flood Control and Power ..	300	112947.00	15586.21	20141.15	25878.94	26917.00	26917.00	27636.00	27629.00
Multipurpose River Valley Projects—									
(a) Irrigation Portion	301	14044.00	1959.53	2136.29	2191.51	1080.00	1080.00	1307.00	1307.00
(b) Power Portion ..	302	9702.00	648.56	958.25	1372.00	530.00	530.00	1960.00	1960.00
Sub-total (a+b) ..	303	23746.00	2608.09	3094.54	3563.51	1610.00	1610.00	3267.00	3267.00



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT-1

HEADS OF DEVELOPMENT  
OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9	10
<b>Irrigation—</b>									
(c) Water Development (Survey, Investigation and Research) ..	304	230.00	29.49	47.90	36.83	55.00	55.00	85.00	85.00
(d) Major and Medium Irrigation Pprojects	305	18455.00	1949.87	2533.74	2155.25	3185.00	3185.00	3210.00	3210.00
Sub-Total (c+d) ..	306	18685.00	1979.36	2581.64	2192.08	3240.00	3240.00	3295.00	3295.00
Total Irrigation (a+c+d)	307	32729.00	3938.89	4717.93	4383.59	4320.00	4320.00	4602.00	4602.00
Minor Irrigation ..	308	749.00	181.79	170.35	111.43	250.00	250.00	263.00	256.00
Command Area Development ..	309	3881.00	582.00	605.00	730.00	580.00	580.00	575.00	575.00
Un-allocated provision ..	—	194.00	—	—	—	—	—	—	—
Flood Control Projects	310	2100.00	573.48	681.66	623.98	467.00	467.00	675.00	675.00
<b>Power—</b>									
(e) Power Development (Survey Investigation and Research) ..	311	600.00	22.83	15.03	44.00	—	—	241.00	241.00
(f) Power Projects (Generation) ..	312	32358.00	4356.57	7495.41	14123.94	15780.00	15780.00	14320.00	14320.00
(g) Transmission and Distribution ..	313	23500.00	3536.40	4113.71	3761.00	4300.00	4300.00	4800.00	4800.00
(h) General (including Rural Electrification)	314	7134.00	1745.69	1383.81	729.00	690.00	690.00	200.00	200.00
Sub-Total (e+f+g+h)	315	63592.00	9661.49	13007.96	18657.94	20770.00	20770.00	19561.00	19561.00
Total Power (b+e+f+g+h) ..	316	73294.00	10310.05	13966.21	20029.94	21300.00	21300.00	21521.00	21521.00
IV. Industry and Minerals	400	8168.00	1222.90	1532.94	977.38	1699.00	1699.00	2325.13	2128.21
Village and Small Industries ..	401	1836.00	217.26	283.81	266.59	302.40	302.40	331.12	203.21
Medium & Large Industries ..	402	6312.00	1002.64	1239.03	707.79	1394.10	1394.10	1991.01	1925.00
Mining ..	403	20.00	3.00	10.10	3.00	2.50	2.50	3.00	—
V. Transport and Communications—	500	11325.00	3170.90	2108.86	1488.80	2519.00	2519.00	2628.00	2622.00
Civil Aviation ..	503	70.00	29.50	17.19	9.84	14.00	14.00	18.00	12.00
Roads and Bridges ..	504	7000.00	1301.22	1257.31	860.78	1580.00	1580.00	1280.00	1280.00
Road Transport ..	505	4000.00	1795.24	804.36	587.18	900.00	900.00	1300.00	1300.00
Tourism ..	507	255.00	45.00	30.00	31.00	25.00	25.00	30.00	30.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT—1**  
**HEADS OF DEVELOPMENT**  
**OUTLAYS AND EXPENDITURE**

(Rs. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Proposed outlay	Of which Capital outlay
1	2	3	4	5	6	7	8	9	10
VI. Social and Community Services ..	600	36901.00	5847.70	6000.81	5548.11	6626.00	6626.00	8810.37	494.42
Education—									
General Education ..	601	5209.75	602.58	897.34	997.97	1325.00	1325.00	1700.00	27.92
Art and Culture ..	602	90.25	7.76	3.31	2.46	5.00	5.00	5.00	00
Technical Education ..	603	300.00	15.01	37.71	27.67	60.00	60.00	82.50	3.50
Sub-Total—Education ..	604	5600.00	625.35	938.36	1028.10	1390.00	1390.00	1787.50	309.42
Scientific Services and Research—									
(a) S&T Programmes ..	605	—	—	—	—	20.00	20.00	25.00	10.00
(b) Environmental Programme ..	606	—	—	—	—	—	—	15.00	—
(c) Sub-Total—(Scientific Services & Research)	608	—	—	—	—	20.00	20.00	40.00	10.00
Medical (Excluding E.S.I.)	609	1700.00	286.51	263.84	232.42	398.00	398.00	462.90	12.00
Employees State Insurance Scheme ..	610	62.00	6.40	9.09	9.80	13.50	13.50	18.75	—
Public Health and Sanitation ..	611	3138.00	523.24	557.43	746.25	938.50	938.50	1173.52	52.00
Sub-Total (Health) ..	612	4900.00	816.15	830.36	988.47	1350.00	1350.00	1655.17	24.00
Sewerage and Water Supply	613	13794.00	2067.14	2087.58	1491.83	1351.00	1351.00	1847.70	187.70
Housing (excluding Police Housing) ..	614	4750.00	877.84	958.41	741.72	955.00	955.00	1098.70	103.70
Police Housing ..	615	985.00	150.00	174.95	117.23	185.00	185.00	220.00	21.00
Urban Development ..	616	2660.00	641.97	395.68	551.76	498.00	498.00	1017.90	101.00
Information & Publicity	618	180.00	27.87	46.25	33.75	50.00	50.00	6.00	00
Labour and Labour Welfare ..	619	239.00	34.56	37.00	50.06	66.00	66.00	88.10	3.00
Employment Schemes ..	620	6.00	1.30	1.76	2.32	3.00	3.00	4.00	—
Welfare of S.C., S.T. and Others Backward Classes ..	621	3200.00	487.11	460.45	444.64	540.00	540.00	640.00	7.00
Social Welfare ..	622	507.00	107.85	93.13	91.81	165.00	165.00	246.30	6.00
Nutrition ..	623	80.00	10.56	15.64	8.74	76.00	76.00	100.00	—

DRAFT ANNUAL PLAN 1984-85

STATEMENT-1

HEADS OF DEVELOPMENT  
OUTLAYS AND EXPENDITURE

(Ws. in lakhs)

Head/Sub-Head of Development	Code No.	Sixth Five Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Proposed Outlay	Of which Capital contents
1	2	3	4	5	6	7	8	9	10
VII. Economic Services	700	150.00	6.41	12.58	13.89	38.00	38.00	58.00	
Secretariat Economic Services	701	50.00	2.04	4.26	3.99	10.00	10.00	10.00	
Economic Advice and Statistics	702	85.00	3.41	6.51	9.01	20.00	20.00	39.00	
Weights and Measures	703	15.00	0.96	1.81	0.89	3.00	3.00	4.00	
Other General Economic Services-Economic Coordination and 20-Point Programme	704	—	—	—	—	5.00	5.00	5.00	
VIII. General Services	800	1407.00	212.69	200.57	266.58	350.00	350.00	482.50	435.14
Stationery and Printing	801	60.00	7.17	6.12	7.13	40.00	40.00	50.50	3.14
Public Works	802	1247.00	186.20	175.45	245.79	301.00	301.00	410.00	410.00
Others (to be specified) PUN&SUP	803(a)	50.00	10.00	10.00	—	—	—	5.00	5.00
Administration Training Institute	803(b)	50.00	9.32	9.00	13.66	9.00	9.00	17.00	17.00
Grand Total	900	195700.00	29943.96	34465.06	38500.00	44000.00	44000.00	48800.00	39948.00

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>PUNJAB AGRICULTURAL UNIVERSITY</b>								
1. Research—								
2. Agricultural Education, Extension and Farmers Training	1000.00	183.76	217.50	219.09	260.00	260.00	348.00	112.90
Total ..	1000.00	183.76	217.50	219.09	260.00	260.00	348.00	112.90
<b>AGRICULTURE DEPARTMENT</b>								
3. Extension and Farmers Training—								
A(P) 3.1 Higher Training of Selected Village level workers ..	2.00	0.31	—	—	—	—	—	—
A(P) 3.2 Deputation of village level workers								
A(P) 3.3 Foreign-In-Service Training	1.70	0.43	1.40	—	1.00	1.00	—	—
A(P) 3.4 Higher Training and Con- densed Course of In- service A.S.Is. and C.Is.	1.81	2.31	1.28	0.35	—	—	—	—
A(P) 3.5 (a) Farmers Training and Education in H.Y.V.P. running of Farmers Training Centres in the State ..	81.80	13.33	16.18	21.16	24.00	24.00	25.00	—
(b) Training Schemes— Grant to Institutions for organising Training Camps ..	17.80	3.88	4.33	2.35	5.00	5.00	5.00	—
Total ..	105.11	20.26	23.19	23.86	30.00	30.00	30.00	—
4. Direction and Adminis- tration—								
A(P) 4.1 Re-organisation of Agri- culture Department ..	77.50	12.07	12.39	11.67	14.00	14.00	14.00	—
A(P) 4.2 Planning Cell in the Direc- torate/Field Staff of Statistical Wing ..	4.00	—	—	—	0.80	0.80	1.10	Scheme A(I) 12.1 merged
Total ..	81.50	12.07	12.39	11.67	14.80	14.80	15.10	—
5. Land Reclamation—								
A(P) 5.1 Reclamation of culturable waste land	2.50	0.48	15.69	0.57	0.55	0.55		
A(P) 5.2 Reclamation of Kallar Lands in Punjab ..	2618.50	451.80	451.78	404.53	463.30	463.30	475.00	Merged in Scheme A(I) 5.2
Total ..	2621.00	452.28	467.47	405.10	463.85	463.85	475.00	—

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : AGRICULTURE**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>6. Multiplication and Distribution of Seeds—</b>									
A(P) 6.1	Seed Certification Authority	10.00	2.05	1.50	2.06	4.00	4.00	1.50	—
A(P) 6.2	Seed production and Distribution ..	5.00	0.65	—	—	—	—	—	—
A(P) 6.3	Contribution to Land Development and Reclamation Corporation ..	90.00	—	—	—	—	—	—	—
A(P) 6.4	World Bank, Seed Project/Establishment of Punjab State Seeds Corporation ..	54.00	10.00	11.00	—	—	—	100.00	100.00
A(P) 6.5	Expansion of Seed Testing Laboratory ..	22.00	1.05	7.82	3.98	5.90	5.90	5.50	2.00
	<b>Total ..</b>	<b>181.00</b>	<b>13.75</b>	<b>20.32</b>	<b>6.04</b>	<b>9.90</b>	<b>9.90</b>	<b>107.00</b>	<b>102.00</b>
<b>7. Manures and Fertilizers—</b>									
A(P) 7.1	Establishment of Soil Testing Laboratories including Mobile Testing Laboratories ..	135.00	13.77	16.00	18.40	37.65	37.65	38.00	—
A(P) 7.2	Fertilizer Demonstration and Training on Cultivators' Field ..	1.50	1.39	—	—	—	—	—	—
A(P) 7.3	Subsidy for the off-time Storage of Fertilizers (Imported Zinc Sulphate)	65.00	17.99	0.45	0.02	—	—	—	—
A(P) 7.4	Scheme for providing incentives to farmers ..	510.00	—	—	—	—	—	—	—
A(P) 7.5	Fertilizers Quality Control Laboratory ..	54.00	5.67	7.84	2.10	6.35	6.35	6.75	1.00
A(P) 7.6	Subsidy on Phosphatic Fertilizers to small and marginal farmers ..	—	—	2.77	—	—	—	—	—
	<b>Total ..</b>	<b>765.50</b>	<b>38.82</b>	<b>27.06</b>	<b>20.52</b>	<b>44.00</b>	<b>44.00</b>	<b>44.75</b>	<b>1.00</b>
<b>8. High Yielding Varieties Programme—</b>									
A(P) 8.1	Intensive High Yielding Varieties Programme ..	220.00	42.16	47.70	53.74	50.60	50.60	54.00	—
	<b>Total ..</b>	<b>220.00</b>	<b>42.16</b>	<b>47.70</b>	<b>53.74</b>	<b>50.60</b>	<b>50.60</b>	<b>54.00</b>	<b>—</b>

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : AGRICULTURE**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>9. Plant Protection—</b>									
A(P) 9.1	Ground Spraying of Crops/ Mobile Ground Spray Units ..	460.00	57.50	80.00	83.93	100.00	100.00	100.00	100.00
A(P) 9.2	Loans for Aerial Spraying of Crops ..	1025.00	124.24	105.90	106.36	120.00	120.00	120.00	120.00
A(P) 9.3	Intensification of Plant Protection work ..	50.00	9.35	10.00	8.50	10.00	10.00	10.00	—
A(P) 9.4	Control of Weeds and Loose Smut (Sharing Basis) ..	150.00	20.16	21.15	50.00	60.00	60.00	75.00	
A(P) 9.5	Quality Control of Inputs— Insecticides Testing Laboratory ..	52.00	7.00	3.31	3.21	5.15	5.15	5.00	0.50
A(P) 9.6	Construction of Helipads for aerial spray on cotton	20.00	—	—	—	—	—	—	—
A(P) 9.7	Scheme to enable the small farmers in eradication of pests/diseases in endemic area by Aero-Chemical Operation (Sharing basis) ..	5.00	0.31	—	—	0.50	0.50	0.50	—
	<b>Total ..</b>	<b>1762.00</b>	<b>218.56</b>	<b>220.36</b>	<b>252.00</b>	<b>295.65</b>	<b>295.65</b>	<b>310.50</b>	<b>220.50</b>
<b>10. Commercial Crops—</b>									
A(P) 10.1	Development of Sugarcane	98.43	25.44	20.49	15.64	26.70	26.70	35.00	—
A(P) 10.2	Integrated Cotton Develop- ment Project, Muftsar	17.16	13.34	2.16	2.26	2.70	2.70	2.75	—
A(P) 10.3	Intensive Cotton Development Programme including scheme for production of Nucleous Seed of Cotton (Sharing basis)	250.00	28.94	27.54	28.75	34.10	34.10	35.00	—
A(P) 10.4	Intensive Oil Seed Develop- ment Programme (Sharing basis) ..	25.00	2.18	2.75	2.95	5.00	5.00	9.00	—
A(P) 10.5	Intensive Pulses Develop- ment Programme (Sharing basis) ..	20.00	0.86	2.66	2.20	5.50	5.50	5.00	—
	<b>Total ..</b>	<b>410.59</b>	<b>70.76</b>	<b>55.60</b>	<b>51.80</b>	<b>74.00</b>	<b>74.00</b>	<b>86.75</b>	<b>—</b>
<b>11. Agricultural Engineering—</b>									
A(P) 11.1	Establishment of Testing, Maintenance and Stan- dard Certification of Agricultural Machinery	6.00	—	—	—	—	—	—	—

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : AGRICULTURE**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
A(P) 11.2 Agro-Industries Corporation	160.00	6.00	20.00	20.00	30.00	30.00	60.00	60.00
A(P) 11.3 Intensification of Farm-Mechanisation and popularisation of Improved Agricultural Implements	54.00	7.19	8.21	9.21	10.00	10.00	10.00	—
A(P) 11.4 Provision of supply of improved Farm Storage to the Farmers ..	5.00	—	—	—	—	—	—	—
A(P) 11.5 Import of two rice Transplanter from the Democratic Peoples Republic of Korea ..	—	—	0.50	—	—	—	—	—
<b>Total ..</b>	<b>225.00</b>	<b>13.19</b>	<b>28.71</b>	<b>29.21</b>	<b>40.00</b>	<b>40.00</b>	<b>70.00</b>	<b>60.00</b>
<b>12. Agricultural Economics and Statistics—</b>								
A(P) 12.1 Field Staff of Statistical Wing of Agriculture Department	5.35	—	—	0.02	0.35	0.35	Merged in Scheme A(P) 4.2	—
A(P) 12.2 Timely reporting revised Calendar Operation of Improved Crops Statistics (Sharing basis) ..	10.20	1.93	2.10	2.51	3.93	3.93	4.00	—
A(P) 12.3 Sample Survey of Study of Constraints in transfer of technology for increasing Agricultural production (Sharing basis) ..	—	—	—	—	0.40	0.40	0.50	—
A(P) 12.4 Agricultural Census ..	—	—	—	—	0.22	0.22	0.10	—
<b>Total ..</b>	<b>15.55</b>	<b>1.93</b>	<b>2.10</b>	<b>2.53</b>	<b>4.90</b>	<b>4.90</b>	<b>4.60</b>	<b>—</b>
<b>13. Warehousing—</b>								
A(P) 13.1 Construction and Operation of Warehouses ..	120.00	20.00	22.00	25.00	25.00	25.00	25.00	25.00
<b>Total ..</b>	<b>120.00</b>	<b>20.00</b>	<b>22.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>	<b>25.00</b>
<b>14. Agricultural Marketing and Quality Control—</b>								
A(P)14.1 Grading of foodgrains and oilseeds in regulated markets ..	4.75	3.97	3.90	4.65	4.40	4.40	4.80	—
A(P)14.2 Development of Mandis	25.00	33.38	—	Shifted to Agricultural Marketing Board				
<b>Total ..</b>	<b>29.75</b>	<b>37.35</b>	<b>3.90</b>	<b>4.65</b>	<b>4.40</b>	<b>4.40</b>	<b>4.80</b>	<b>—</b>

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II: SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD: AGRICULTURE**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>15. Agricultural Credit—</b>									
<b>A(P)15.1</b>	<b>Support to Ordinary and Special Debentures—</b>								
	(i) Agriculture Depart- ment ..	556.00	65.00	27.00	27.50	58.75	58.75	55.00	55.00
	(ii) Soil Conservation Department ..	92.00	7.40	—	10.00	8.75	8.75	11.00	11.00
<b>A(P)15.2</b>	<b>Purchase of debentures of SCLMB for the purchase of Tractors and Agricultu- ral Implements ..</b>	800.00	187.50	263.86	225.00	230.00	230.00	230.00	230.00
<b>A(P)15.3</b>	<b>A.R.C. Scheme for the re- clamation of Alkaline Saline Soils ..</b>	135.00	1.00	0.39	2.50	9.50	9.50	6.00	6.00
<b>A(P)15.4</b>	<b>Grant of loans for fruit Plantation Debenture - support for Horticulture ..</b>	13.00	—	5.00	4.00	9.00	9.00	6.00	6.00
<b>A(P)15.5</b>	<b>Gobar Gas Plants- Deben- ture Support ..</b>	2.00	—	—	—	3.60	3.60	3.00	3.00
<b>A(P)15.6</b>	<b>Dairy Development ..</b>	50.00	10.00	14.00	—	15.00	15.00	15.00	15.00
<b>A(P)15.7</b>	<b>Poultry, Piggery, Sheep Breeding, Cattle Feed Pro- cessing Units and Camel Carts, etc. ..</b>	75.00	8.00	8.00	11.50	15.00	15.00	15.00	15.00
<b>A(P)15.8</b>	<b>Fish Culture ..</b>	—	—	—	—	1.80	1.80	3.00	3.00
<b>A(P)15.9</b>	<b>Farm Forestry ..</b>	—	—	—	—	3.60	3.60	3.00	3.00
	<b>Total ..</b>	<b>1723.00</b>	<b>278.90</b>	<b>318.25</b>	<b>280.50</b>	<b>355.00</b>	<b>355.00</b>	<b>347.00</b>	<b>347.00</b>
<b>16. Employment Promotion Programme—</b>									
<b>A(P)16.1</b>	<b>Setting up of Agro- Service Centres under employment promotion programme ..</b>	100.00	7.00	11.90	—	15.00	15.00	10.00	—
	<b>Total ..</b>	<b>100.00</b>	<b>7.00</b>	<b>11.90</b>	<b>—</b>	<b>15.00</b>	<b>15.00</b>	<b>10.00</b>	<b>—</b>
<b>17. Others—</b>									
<b>A(P)17.1</b>	<b>Gobar Gas Plants-creation of Bio Gas Cell &amp; installa- tion of Bio-gas plants ..</b>	30.00	4.00	10.00	14.98	4.00	4.00	5.00	—
<b>A(P)17.2</b>	<b>Scheme for the award of Prizes to the best farmers ..</b>	50.00	—	—	—	—	—	—	—



## DRAFT ANNUAL PLAN 1984-85

STATEMENT : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
A(P)17.3 Scheme regarding Bee Keeping ..	20.00	—	0.80	0.60	1.40	1.40	—	—
A(P)17.4 Assistance to Small & Marginal Farmers on IRD Pattern (Sharing Basis) ..	—	—	—	—	—	—	187.00	—
Total ..	100.00	4.00	10.80	15.58	5.40	5.40	192.00	—
Total Agriculture Department ..	8460.00	1231.03	1271.75	1182.20	1432.50	1432.50	1776.50	755.50
<b>HORTICULTURE DEPARTMENT</b>								
18. Direction and Administration—								
A(P)18.1 Creation of Department of Horticulture and strengthening thereof ..	25.00	2.91	2.27	1.38	4.50	4.50	3.00	—
Total ..	25.00	2.91	2.27	1.38	4.50	4.50	3.00	—
19. Development of Horticulture and Plant protection—								
A(P)9.1 Development of Horticulture and setting up of garden and nurseries on the seed farms ..	225.00	34.93	41.00	41.39	73.00	73.00	75.00	8.00
A(P)19.2 Development of Horticulture in Kandi Area Watershed (World Bank) ..	70.00	8.20	10.41	3.59	13.50	13.50	17.50	7.50
A(P)19.3 Control of Insects/Pests & diseases ..	—	—	—	—	6.50	6.50	12.00	—
Total ..	295.00	43.13	51.41	44.98	93.00	93.00	104.50	15.50
20. Vegetables								
A(P)20.1 Production and multiplication of Potato seed-Development of Vegetables in rural areas and grant of cold storages ..	60.00	—	7.65	5.68	10.00	10.00	11.00	2.00
Total ..	60.00	—	7.65	5.68	10.00	10.00	11.00	2.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT 11: SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD: AGRICULTURE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approv- ed Out- lay	Antici- pated Expendi- ture	Propos- ed out- lay	Of which capital content	
1	2	3	4	5	6	7	8	9	
21. Preservation of Fruits									
A(P)21.1	Demonstration-cum-Fruit Preservation Laboratories and Community Canning Centres ..	80.00	4.94	6.53	3.98	8.00	8.00	12.00	4.00
	Total ..	80.00	4.94	6.53	3.98	8.00	8.00	12.00	4.00
22. Marketing of Horticulture Produce—									
A(P)22.1	Share capital for setting up Punjab Horticulture Cor- poration ..	50.00	—	4.99	8.00	16.00	16.00	10.00	10.00
	Total ..	50.00	—	4.99	8.00	16.00	16.00	10.00	10.00
23. Others—									
A(P)23.1	Subsidizing the rate of in- terest on Horticulture loan from commercial Banks	65.00	5.09	14.59	0.21	1.00 (Token Prov)	1.00	—	—
A(P)23.2	Cultivation of aromatic and medicinal Plants ..	25.00	1.98	3.09	0.72	}	Merged in Scheme A(P)19.1	—	—
A(P)23.3	Beautification of public places ..	35.00	2.67	4.14	1.82				
A(P)23.4	Popularisation and Mush- rooms Cultivation in Punjab ..	15.00	0.10	—	0.51				
	Total ..	140.00	9.84	21.82	3.26	1.00	1.00	—	—
	Total Horticulture Depart- ment ..	650.00	60.82	94.67	67.28	132.50	132.50	140.50	31.50
	Total sub-head "Agriculture"	10,110.00	1,475.61	1,583.92	1,468.57	1,825.00	1,825.00	2,265.00	899.90

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II: SCHEMES  
OUTLAY AND EXPENDITURE

## HEAD: SOIL CONSERVATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actuals Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Soil Survey and Testing</b>									
SC(A)1.1	Soil Survey in the State ..	62.00	9.40	9.29	10.18	13.00	13.00	14.00	—
	Total ..	62.00	9.40	9.29	10.18	13.00	13.00	14.00	—
<b>2. Education and Training</b>									
SC(A)2.1	Training, Research and Demonstration ..	30.00	13.12	1.42	1.51	5.00	5.00	3.00	—
	Total ..	30.00	13.12	1.42	1.51	5.00	5.00	3.00	—
<b>3. Soil Conservation Schemes</b>									
SC(A)3.1	Soil & Water conservation on Water shed basis ..	675.00	122.93	114.42	69.50	70.00	70.00	90.00	70.00
SC(A)3.2	Pilot project on Develop- ment of Kandi Area with world Bank Assistance ..	296.00	24.07	36.82	43.12	112.00	112.00	77.00	56.00
SC(A)3.3	Soil & Water Conservation Programme in other areas of the State ..	354.00	57.87	41.33	47.94	50.00	50.00	51.00	29.00
SC(A)3.4	Pilot Demonstration—Soil Conservation-cum- Development Project in Kanditract on Sukho- majri pattern ..	—	—	—	—	10.00	10.00	10.00	10.00
	Total ..	1325.00	204.87	192.57	160.56	242.00	242.00	228.00	165.00
	Total-Soil Conservation and Engg. Department ..	1417.00	227.39	203.28	172.25	260.00	260.00	245.00	165.00
<b>4. Forest Department Soil Conservation Schemes</b>									
SC(F)4.1	Soil and Water Conserva- tion on watershed basis ..	32.00	3.22	8.36	8.00	8.66	8.66	11.66	—
SC(F)4.2	Kandi Water shed and Area Development project ..	611.00	16.24	67.25	126.17	237.00	237.00	245.34	—
SC(F)4.3	Project Planning and Co- ordination Unit ..	—	1.94	2.85	3.52	4.34	4.34	5.00	—
	Total Forest Department ..	643.00	21.40	78.46	137.69	250.00	250.00	262.00	—
	Grand Total ..	2060.00	248.79	281.74	309.94	510.00	510.00	507.00	165.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II: SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD: FOOD

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
Food								
FD-1	Acquisition of land for open plinths ..	11.00	—	—	—	—	} 5.00	5.00
FD-2	Construction of Storage godown at Dhuri ..	6.00	5.25	0.67	5.27	—		Token provision
	Total ..	17.00	5.25	0.67	5.27	—	—	5.00

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Ex- penditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Direction and Administration</b>									
AH 1.1	Strengthening and Expansion of Directorate of Animal Husbandry, Punjab ..	14.40	0.83	1.79	1.32	1.45	1.45	1.50	—
AH 1.2	Strengthening of office of District Animal Husbandry Officers/Project Officers, Intensive Cattle Development Project, Punjab ..	20.00	1.14	2.80	1.74	2.50	2.50	2.70	—
	<b>Total ..</b>	<b>34.40</b>	<b>1.97</b>	<b>4.59</b>	<b>3.06</b>	<b>3.95</b>	<b>3.95</b>	<b>4.20</b>	<b>—</b>
<b>2. Veterinary Services and Animal Health</b>									
AH 2.1	Opening of new Vety. Dispensaries and Strengthening and improvement of existing ones. ..	80.00	13.13	8.84	19.29	18.40	18.40	20.00	—
AH 2.2	Upgrading of Vety. Dispensaries/units into Hospitals. ..	33.93	—	1.57	2.32	1.75	1.75	2.75	—
AH 2.3	Expansion of Punjab Vety. Vaccine Institute, Ludhiana. ..	30.00	5.97	3.99	3.64	5.25	5.25	6.50	—
AH 2.4	Prophylactic vaccination against Foot and Mouth ..	25.00	8.98	4.94	4.79	5.00	5.00	8.00	—
AH 2.5	Expansion of State Vety. Medical Store, Jullundur ..	7.85	0.87	0.65	1.08	1.10	1.10	1.10	—
AH 2.6	ICAR-Scheme-All India Coordinated Research Project for Epidemiological Studies on Foot and Mouth ..	0.79	0.16	0.27	0.22	0.28	0.28	0.29	—
AH 2.7	Centrally Sponsored Scheme-Foot and Mouth Control Programme-Project for vaccination of cattle and buffaloes in selected areas ..	28.00	4.45	4.47	4.07	4.62	4.62	7.50	—
AH 2.8	Estt. of Vety. Polyclinics at District Headquarters ..	10.00	—	—	1.70	8.58	8.58	14.30	10.00
AH 2.9	Setting up of State Vety. Council ..	1.00	—	0.09	0.16	2.51	2.51	2.25	—
AH 2.10	Estt. of Check Posts under Rinderpest Eradication Programme ..	0.20	0.48	0.20	—	—	—	—	—
AH 2.11	Providing of Vety. aid at the door of the farmers ..	10.00	—	—	—	—	—	—	—
AH 2.12	Strengthening of existing Vety. Hospitals at District and Sub-Divisional Headquarters ..	—	—	—	—	21.05	21.05	49.10	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT H—SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-82	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipated Expendi- ture	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
AH 2-13 Centrally Sponsored Scheme on Systematic control of livestock Diseases of National importance and other related aspects—T.B. & Brucellosis Control (2 Units) ..	—	—	—	—	—	—	2.00	—
Total ..	226.77	34.04	25.02	37.27	68.54	68.54	113.79	10.00
<b>3. Vety. Education and Research</b>								
AH 3-1 Grant-in-Aid to P.A.U. Ludhiana for Vety. Education and Research schemes ..	275.00	54.60	71.09	45.00	66.00	66.00	66.00	—
Total ..	275.00	54.60	71.09	45.00	66.00	66.00	66.00	—
<b>4. Investigation and Statistics</b>								
AH 4-1 Integrated Survey in livestock Number and livestock products ..	11.00	1.92	2.57	2.44	2.87	2.87	2.97	—
AH 4-2 Estimation of production, assessment of livestock development programme of cultivated fodder ..	7.00	0.14	0.59	0.88	1.40	1.40	1.50	—
AH 4-3 Centrally Sponsored Scheme for Sample Surveys on estimation of production of milk, eggs, wool & meat ..	—	—	—	—	—	—	1.90	—
Total ..	18.00	2.06	3.16	3.32	4.27	4.27	6.37	—
<b>5. Cattle Development</b>								
AH 5-1 Indo Swiss Project, Patiala—Expansion and Strengthening ..	20.00	0.31	10.25	4.65	10.00	10.00	11.95	2.00
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 & Agril. Labourers for rearing of cross bred heifers ..	—	12.08	12.41	10.79	20.45	20.45	21.37	—
AH 5-4 Rounding up of Wild & Stray Cattle in Punjab ..	9.00	0.80	1.23	1.36	4.40	4.40	4.00	—
AH 5-5 Expansion of Government Holstein Friesian Cattle Breeding Farm, Mattewara /Jersey Cattle Breeding Farm, Ropar ..	7.65	2.22	1.54	3.34	6.44	6.44	6.70	0.50
AH 5-6 Setting up of Bull Stations-cum-Semen Banks & L.N. Plants ..	50.00	0.26	0.98	3.88	19.00	19.00	31.84	5.00

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II: SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year- Plan 1980-85 Approv- ed outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Propos- ed Out- lay	Of which capital content	
1	2	3	4	5	6	7	8	9	
AH 5-7 Kule Majra Coop Farm ..	25-00	2-78	4-65	5-26	7-00	7-00	5-71	1-50	
AH 5-8 Implementation of Poultry Piggery & Sheep Production Programme through Small/Marginal Farmers & Agril. Labourers	—	7-97	1-67	6-34	11-86	11-86	7-81	—	
AH 5-9 Maintenance of elite herd of high yielding buffaloes & cross bred cattle by progressive farmers	—	—	—	—	—	—	2-00	—	
Total ..	112-90	27-67	32-73	35-62	79-15	79-15	91-38	9-00	
<b>6. Poultry Development</b>									
AH 6-1 Additional production of day old pullets at State Poultry Farms	30-00	1-67	5-34	4-43	5-66	5-66	9-00	2-00	
AH 6-2 Estt. of Poultry Estates .. in selected localities for providing employment to educated unemployed	0-10	—	—	—	—	—	—	—	
AH 6-3 Investment in the share .. capital of Punjab Poultry Corporation for marketing eggs, Egg Tray Project, expansion of feed compounding activities and storage of eggs etc.	20-00	10-00	10-00	10-00	—	—	—	—	
AH 6-4 Estt. of Broiler Project for production of day old hybrid broiler chicks. ..	15-00	—	3-11	3-97	4-15	4-15	7-22	1-00	
Total	65-10	11-67	18-45	18-40	9-81	9-81	16-22	3-00	
<b>7. Sheep and Wool Development</b>									
AH 7-2 Supply of exotic/cross bred rams for cross breeding at Sheep and Wool Extension Centres and to bonafide Sheep Breeders. ..	6-80	0-20	0-95	0-57	2-00	2-00	2-30	—	
AH 7-3 Provision of Intensive Health Cover through Sheep and Wool Extension Centres. ..	6-00	1-68	1-00	0-50	1-00	1-00	2-00	—	
AH 7-4 Setting up of Sheep Breeding Farm for Fat Lamb Production. ..	5-08	—	—	—	—	—	—	—	
AH 7-5 Expansion of Govt. Sheep Breeding Farm, Mattemara/Dhar. ..	5-63	—	0-56	2-02	6-00	6-00	7-43	1-70	
Total	23-51	1-88	2-51	3-09	9-00	9-00	11-73	1-70	

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II—SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : ANIMAL HUSBANDRY

(Rs. in lakhs)

Name of the Scheme/ project	Sixth Five Year Plan 1980-85 Approv- ed outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approv- ed outlay	Anticipated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>8. Piggery Development</b>									
AH 8-1	Expansion of Pig Breeding Farms/Units ..	16.00	3.30	3.99	4.24	5.20	5.20	6.57	1.00
AH 8-2	Estt. of new Pig Breeding Farms ..	25.00	4.03	3.86	4.44	7.72	7.72	7.29	2.00
AH 8-3	Estt. of Fattening units ..	8.40	0.94	1.11	1.33	2.33	2.33	2.85	1.00
Total		49.40	8.27	8.96	10.01	15.25	15.25	16.71	4.00
<b>9. Other Livestock Development</b>									
AH 9-1	Evaluation of performance of Buffalo Bulls in Field Conditions. ..	15.00	0.56	0.88	1.28	3.00	3.00	5.00	—
AH 9-2	Kandi Watershed and Area Development Project-Livestock Development Programme	406.30	2.94	23.26	27.81	57.00	57.00	45.00	10.00
AH 9-3	Setting up of Polytechnics for Animal Husbandry and Agricultural Training. ..	20.00	2.33	3.84	2.17	9.00	9.00	10.00	4.04
AH 9-4	Estt. of Vety. Hospitals ..	—	107.60	110.82	149.34	151.50	151.50	200.00	—
AH 9-5	Expansion of Buffalo Breeding Farms, Bir Dosanjh, Nabha	10.00	—	0.52	1.07	2.84	2.84	5.96	1.00
AH 9-6	Estt. of Horse and Mule Breeding Centres. ..	5.00	—	—	0.92	4.07	4.07	4.00	—
AH 9-7	Maintenance of herd books at selected Buffaloes (preservation of high yielding buffaloes.) ..	10.00	—	—	—	—	—	—	—
Total		466.30	113.43	139.32	182.59	227.41	227.41	269.96	15.04
<b>10. Feed and Fodder Development</b>									
AH 10-1	Intensification of existing Forage Planting Material Production Farms. ..	14.18	2.82	3.36	4.02	3.86	3.86	4.71	1.00
AH 10-2	Creation of Cell for Feed and Fodder at State Level ..	2.90	0.43	0.36	0.58	0.77	0.77	0.85	—
AH 10-3	Production and Popularisation of newly evolved fodder varieties. ..	60.54	10.32	11.35	10.98	11.99	11.99	18.08	2.50
Total:		77.62	13.57	15.07	15.58	16.62	16.62	23.64	3.50
Grand Total		1349.00	269.36	320.90	353.94	500.00	500.00	620.00	46.24





## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipat- ed Expendi- ture	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
DM 4-2 Intensification of Milk Production-providing of subsidy for the construction of model cattle sheds to small and marginal farmers ..	15.00	—	3.20	3.75	4.00	4.00	4.00	—
DM 4-3 Establishment of Government Laboratory for testing of milk produces and Feed ..	2.00	—	—	—	2.00	2.00	4.50	4.50
Total ..	42.00	5.00	8.20	8.75	11.00	11.00	13.50	4.50
Grand Total ..	236.00	61.80	48.79	54.57	65.00	65.00	55.00	30.90

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : FISHERIES

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Direction and Adminis- tration—</b>									
FH 1.1	Strengthening of staff at Headquarters and in sub-offices ..	5.00	0.31	0.77	1.26	1.65	1.65	1.90	—
	Total ..	5.00	0.31	0.77	1.26	1.65	1.65	1.90	—
<b>2. Extension—</b>									
H 2.1	Creation of Information and Extension Division ..	5.00	1.74	1.00	1.35	2.00	2.00	2.25	—
FH 2.2	Pilot Project for Cage Fish Culture ..	5.00	0.60	—	—	—	—	—	—
	Total ..	10.00	2.34	1.00	1.35	2.00	2.00	2.25	—
<b>3. Fish Farms—</b>									
FH 3.1	Completion of Fish Seed Nurseries/Farms and Cons- truction of Fish Seed Farms in the remaining districts	40.00	18.28	10.45	12.00	12.00	12.00	8.00	7.00
FH 3.2	Fish Culture in Shah Nehar Reservoir ..	6.00	—	0.10	0.10	0.10	0.10	9.50	—
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 Assisted) ..	64.00	1.89	7.88	19.56	23.00	23.00	33.00	31.00
FH 3.5	Estt. of two 5 hectares fish seed farms for fish farmers Development Agen- cies Ludhiana and Sangrur	—	—	—	—	—	—	2.00	—
FH 3.6	Estt. of two 10 hectares fish seed Hatcheries ..	—	—	—	—	—	—	3.00	—
	Total ..	115.00	20.17	18.43	31.66	35.10	35.10	55.50	38.00
<b>4. Research—</b>									
FH 4.1	Mobile Fisheries Field Laboratory ..	5.00	—	—	—	—	—	—	—
FH 4.2	Grant-in-aid to PAU for Fisheries Education and Research ..	—	—	—	—	1.00	1.00	—	—
	Total ..	5.00	—	—	—	1.00	1.00	—	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : FISHERIES

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>5. Education and Training—</b>								
FH 5.1 } Training of Fisheries Personnel ..	2.00	—	0.40	0.46	0.50	0.50	0.50	—
FH 5.2 } Training in Fishing and Fishing Crafts and Gear ..	2.50	—	—	—	—	—	—	—
Total ..	4.50	—	0.40	0.46	0.50	0.50	0.50	—
<b>6. Inland Fisheries—</b>								
FH 6.1 } Promotion of Intensive Fish Culture by providing assistance to Private/Co-operative Sector ..	10.00	2.00	3.25	1.74	4.00	4.00	4.00	—
FH 6.2 } Demonstration of Fish Culture ..	2.50	0.30	—	—	—	—	—	—
FH 6.3 } Assistance to Fish Farmers Development Agencies, Gurdaspur, Jullundur, Amritsar, Ludhiana and Sangrur ..	20.00	4.00	4.00	9.50	10.00	10.00	10.00	—
Total ..	32.50	6.30	7.25	11.24	14.00	14.00	14.00	—
<b>7. Others—</b>								
I H 7.1 } Creation of Economic and Statistical Wing in the Fisheries Department ..	3.00	0.19	0.42	0.47	0.75	0.75	0.85	—
Total ..	3.00	0.19	0.42	0.47	0.75	0.75	0.85	—
Grand Total ..	175.00	29.31	28.27	46.44	55.00	55.00	75.00	38.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : FORESTS

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980—85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Forest Research</b>									
FT 1.1	Forest Research ..	15.00	2.50	3.13	3.46	7.50	7.50	7.50	—
	Total ..	15.00	2.50	3.13	3.46	7.50	7.50	7.50	—
<b>2. Education and Training</b>									
FT 2.1	Training of Staff ..	5.00	1.00	1.00	1.00	1.00	1.00	1.00	—
	Total ..	5.00	1.00	1.00	1.00	1.00	1.00	1.00	—
<b>3. Plantation Schemes</b>									
FT 3.1	Raising of Industrial Plan- tation on Community lands ..	170.00	69.00	28.80	8.00	8.00	8.00	5.00	—
FT 3.2	Social Forestry including fuelwood Plantations (Cen- trally Sponsored) ..	100.00	—	34.92	39.95	90.00	90.00	90.00	—
FT 3.3	Plantation of Sissoo, Babul, Eucalyptus, Chil Poplar, etc. ..	410.00	124.00	70.00	89.99	190.00	190.00	190.00	—
FT 3.4	Soil Water and Tree Con- servation in the catchment of flood prone rivers (Centrally Sponsored) ..	110.00	9.95	25.00	—	—	—	—	—
FT 3.5	Integrated watershed Manage- ment in the catchment of flood prone rivers (Cen- trally Sponsored) ..	25.00	—	—	—	—	—	—	—
FT 3.6	Environmental Forestry ..	20.00	—	5.00	5.00	5.00	5.00	—	—
FT 3.7	Farm Forestry ..	160.00	27.00	5.81	70.99	70.00	70.00	120.00	—
	Total ..	995.00	229.95	169.53	213.93	363.00	363.00	405.00	—
<b>4. Communication and Buildings—</b>									
FT 4.1	Construction of Buildings	27.00	5.00	4.69	5.06	5.00	5.00	5.00	5.00
	Total ..	27.00	5.00	4.69	5.06	5.00	5.00	5.00	5.00
<b>5. Preservation of Wild Life</b>									
FT 5.1	Preservation of Wild Life	45.00	5.31	8.46	9.15	12.00	12.00	13.00	—
FT 5.2	(a) Establishment of Zoolo- gical Park at Chhat Bir ..	200.00	44.41	38.49	45.96	58.00	58.00	57.00	20.00
	(b) Assistance for Develop- ment of Selected Zoos ..	—	—	—	2.00	2.00	2.00	2.00	—
	Total (a + b) ..	200.00	44.41	38.49	47.96	60.00	60.00	59.00	20.00
	Total ..	245.00	49.72	46.95	57.11	72.00	72.00	72.00	20.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : FORESTS**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>6. Survey of Forests Resources</b>									
FT 6.1	Establishment of Planning and Statistical Cell. ..	3.00	0.19	0.34	0.41	0.50	0.50	0.50	—
	Total ..	3.00	0.19	0.34	0.41	0.50	0.50	0.50	—
<b>7. Other Expenditure—</b>									
FT 7.1	Demarcation of Forests ..	—	1.78	—	—	—	—	—	—
FT 7.2	State Share Capital of the equity in Forest Development Corporation ..	—	—	—	—	1.00	1.00	—	—
FT 7.3	National Rural Employment Programme	—	—	25.20	This scheme has been shown under separate sub-head				
	Total ..	—	1.78	25.20	—	1.00	1.00	—	—
	Grand Total ..	1290.00	290.14	250.84	280.97	450.00	450.00	491.00	25.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : COMMUNITY DEVELOPMENT AND PANCHAYATS

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Direction and Administration</b>									
CD 1.1	(a) Staff for the Integrated Rural Development Programme ..	20.00	3.73	3.99	3.61	5.05	4.08	4.50	—
CD 1.1	(b) Monitoring cell at the State Head quarters under IRDP ..	—	—	—	—	—	0.97	1.50	—
CD 1.2	Additional staff at Head-quarters ..	10.00	—	—	—	—	—	1.00	—
	Total ..	30.00	3.73	3.99	3.61	5.05	5.05	7.00	—
<b>2. Training</b>									
CD 2.1	Study tours of non-officials	1.20	0.20	—	0.16	0.35	0.35	0.38	—
CD 2.2	Promotion and strengthening of Mahila Mandals	40.00	8.00	7.90	12.08	19.80	19.80	8.12	—
CD 2.3	Intensive Development Programme in selected ANP blocks ..	—	—	—	0.36	0.46	0.46	Merged with the scheme C.D.3.2	—
	Total ..	41.20	8.20	7.90	12.60	20.61	20.61	8.50	—
<b>3. Assistance to Panchayati Raj Institutions</b>									
CD 3.1	Financial assistance to Panchayats/Panchayat Samitis and Zila Parishads for expenditure on Revenue Earning Schemes ..	271.30	42.80	38.00	38.00	38.00	38.00	50.00	48.50
CD 3.2	Composite Programme for women and Pre-school children—Strengthening of Craft Centres ..	27.50	5.50	5.50	5.04	5.50	5.50	30.50	—
CD 3.3	Pavement of streets and construction of drains ..	1004.00	450.00	479.00	200.00	537.00	537.00	570.00	—
CD 3.4	Assistance to Panchayats for expenditure on Panchayat works (Panchayat Ghars/Community Halls)	100.00	70.00	20.00	15.15	20.00	20.00	20.00	—
CD 3.5	Development of Model villages ..	20.00	10.00	5.00	—	—	—	—	—
CD 3.6	Underground water sewerage	60.00	6.95	—	—	—	—	—	—
CD 3.7	Matching grants to Panchayats for Development works ..	240.00	50.00	8.00	40.00	40.00	40.00	50.00	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## COMMUNITY DEVELOPMENT AND PANCHAYATS

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
CD 3.8 Grant-in-aid to Zila Parishads/ Panchayat Samitis for integrated development of villages of historical and religious importance ..	21.00	1.00	0.75	5.00	4.84	4.84	5.00	—
CD 3.9 Popularisation of smokeless Chullahsin rural areas ..	—	—	—	—	—	—	2.00	—
Total ..	1743.80	636.25	556.25	303.19	645.34	645.34	727.50	48.50
Total Community Development ..	1815.00	648.18	568.14	319.40	671.00	671.00	743.00	48.50
<b>4. Special Programme for Rural Development</b>								
CD 4.1 Assistance to Rural Deve- lopment Agencies under Integrated Rural Develop- ment Programme ..	1975.00	323.83	339.75	468.00	472.00	472.00	472.00	—
CD 4.2 National Rural Employment Programme ..	1625.00	—	226.80	—	—	—	—	—
CD 4.3 Interest subsidy on loans to be advanced to the eco- mically weaker sections under IRD in rural areas	—	—	12.50	13.00	100.00	100.00	200.00	—
CD 4.4 Strengthening of infrastruc- ture under TRYSEM ..	—	—	—	3.57	5.00	5.00	2.00	—
CD 4.5 Share capital contribution in Regional Rural Banks	—	—	—	—	—	—	—	—
Total ..	3600.00	323.83	579.05	484.57	577.00	577.00	674.00	—
Grand Total ..	5415.00	972.01	1147.19	803.97	1248.00	1248.00	1417.00	48.50



## DRAFT ANNUAL PLAN 1984-85

## OUTLAY AND EXPENDITURE

## STATEMENT II : SCHEMES

## HEAD : NATIONAL RURAL EMPLOYMENT PROGRAMME

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
NREP 1.1 Farm Forestry ..	—	—	—	41.65	75.0	75.00	36.00	—
NREP 2.1 Drainage and anti-water Logging ..	—	—	—	90.12	—	—	—	—
NREP 3.1 Pavement of streets and construction of drains ..	—	—	—	118.35	275.00	285.00	324.00	—
NREP 3.2 Assistance to Panchayats for expenditure on Pan- chayat works (Panchayat Ghars) ..	—	—	—	—	10.00	—	—	—
<b>Total</b> ..	—	—	—	250.12	360.00	360.00	360.00	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : CO-OPERATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved- outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Direction and Administration</b>									
CN 1.1	Additional departmental staff ..	300.00	51.70	55.00	60.00	70.00	70.00	80.00	—
	Total ..	300.00	51.70	55.00	60.00	70.00	70.00	80.00	—
<b>2. Credit Co-operatives</b>									
CN 2.1	Assistance to Central Co-operative Banks for opening new branches and construction of buildings	27.41	10.47	—	—	—	—	—	—
CN 2.2	Assistance to primary Co-operative Agriculture Service Societies for construction of godowns	154.68	37.23	13.75	5.09	10.00	10.00	—	—
CN 2.3	Share capital contribution to Apex. Central & Primary Credit Institutions/Societies ..	590.00	90.00	117.00	86.89	112.00	112.00	130.00	130.00
CN 2.4	Assistance to re-organised Agricultural Service Societies as bad debt reserves (risk fund) managerial subsidy and non-overdue cover ..	141.41	71.41	33.00	10.00	13.00	13.00	14.00	—
CN 2.5	Assistance to Central Co-operative Banks for Agriculture stabilisation fund	40.00	10.00	5.00	5.00	5.00	5.00	5.00	—
CN 2.6	Assistance to Central Co-operative Banks and Primary Agricultural Service Societies as risk fund for consumption loan ..	—	—	—	—	—	—	1.00	—
	Total ..	953.50	219.11	168.75	106.98	140.00	140.00	150.00	130.00
<b>3. Housing Co-operatives</b>									
CN 3.1	Assistance to Housing Societies/Housing Federation as margin money and managerial subsidy ..	25.50	5.50	5.00	10.00	10.00	10.00	10.00	10.00
	Total ..	25.50	5.50	5.00	10.00	10.00	10.00	10.00	10.00
<b>4. Labour Co-operatives</b>									
CN 4.1	Assistance for technical cell in District Co-operative labour Unions and State level Federation ..	5.00	1.00	0.75	0.84	1.00	1.00	0.50	—
	Total ..	5.00	1.00	0.75	0.84	1.00	1.00	0.50	—

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II: SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD: COOPERATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980—85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>5. Warehousing and Marketing</b>								
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 to KRIBHCO fertilizer ..	25.00	—	5.00	5.00	10.00	10.00	5.00
CN 5.4	Construction of wheat storage godowns NCDC 11 project ..	803.00	59.50	133.77	154.86	159.00	159.00	120.00
CN 5.5	Assistance to Markfed for contribution as share capital to the Punjab Alkalies limited ..	—	—	—	—	—	—	—
	<b>Total ..</b>	<b>942.78</b>	<b>104.20</b>	<b>138.77</b>	<b>159.86</b>	<b>169.00</b>	<b>169.00</b>	<b>125.00</b>
<b>6. Processing Co-operatives</b>								
CN 6.1	Assistance to Spinfed for expansion and setting up new Spinning Mills/Handloom Weavers Spinning Mills and Cotton Waste Spinning Mills ..	805.60	90.00	240.00	281.26	175.00	175.00	174.81
CN 6.2	Assistance to State level Federation of Agricultural Processing Societies ..	21.00	11.00	10.00	—	—	—	5.00
CN 6.3	Assistance to Markfed for setting up processing units ..	136.33	—	112.62	35.00	50.00	50.00	—
	<b>Total ..</b>	<b>962.93</b>	<b>101.00</b>	<b>362.62</b>	<b>316.26</b>	<b>225.00</b>	<b>225.00</b>	<b>179.81</b>
<b>7. Dairy Co-operatives</b>								
CN 7.1	Share capital contribution to Primary Co-operative Milk Societies, Unions and Milk Federation ..	17.85	12.66	4.00	41.00	20.00	20.00	35.00
CN 7.2	Assistance for payment of audit fee by Milk Producers Co-operative Societies/Unions and Milk Federation ..	1.00	1.00	—	—	—	—	—
	<b>Total ..</b>	<b>18.85</b>	<b>13.66</b>	<b>4.00</b>	<b>41.00</b>	<b>20.00</b>	<b>20.00</b>	<b>35.00</b>

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : CO-OPERATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Appro- ved outlay	Antici- pated Expendi- ture	Propo- sed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>8. Co-operative Sugar Mills</b>									
CN 8.1	Share capital contribution for expansion and installation of new Co-operative Sugar Mills ..	450.00	—	1.00	122.00	112.50	112.50	400.00	400.00
CN 8.2	Share capital contribution in Co-operative Sugar Mills Federation ..	—	—	—	—	—	—	20.00	20.00
	Total ..	450.00	—	1.00	122.00	112.50	112.50	420.00	420.00
<b>9. Industrial Co-operatives</b>									
CN 9.1	Participation in the share capital of Industrial Co-operatives including Federation and Unions ..	25.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
CN 9.2	Participation in the share capital of Apex Handloom & Primary Handloom Weavers Co-operative Societies ..	44.00	6.35	9.00	9.00	10.00	10.00	10.00	10.00
CN 9.3	Managerial subsidy to Industrial Co-operatives including Handloom Weavers Co-operative Societies ..	7.00	1.35	1.50	1.50	1.50	1.50	1.50	—
CN 9.4	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	0.70	1.25	0.40	0.50	0.50	0.28	—
CN 9.5	Subsidy to Punjab State Apex Handloom Co-operative Society for rebate on cloth sale/managerial expenses ..	15.00	1.70	2.50	2.24	2.50	2.50	2.50	—
CN 9.6	Development of Handloom Industry supply of approved appliances ..	1.00	1.50	—	—	—	—	—	—
CN 9.7	Financial assistance to Punjab State Apex Handloom Co-operative Society for setting up processing units ..	50.00	7.60	10.00	1.25	10.00	10.00	9.41	9.41
CN 9.8	Subsidy to industrial Co-operatives for employing craft teachers ..	4.25	1.25	1.00	1.00	0.50	0.50	0.50	—
	Total ..	156.25	25.45	30.25	20.39	30.00	30.00	29.19	24.41

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : CO-OPERATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>10. Consumer Co-operatives</b>									
CN 10.1	Contribution to share capital of Central Consumers Stores and State Co-operative Consumers Federation ..	20.00	10.00	4.00	3.40	4.00	4.00	4.00	4.00
CN 10.2	Subsidy to State Co-operative Consumers Federation & Weak Central Consumer Stores ..	5.50	5.00	—	—	—	—	—	—
	<b>Total ..</b>	<b>25.50</b>	<b>15.00</b>	<b>4.00</b>	<b>3.40</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>	<b>4.00</b>
<b>11. Co-operative Education, Research, Training and Publicity</b>									
CN 11.1	Assistance to Punjab Co-operative Union for education, Research, Training & Publicity ..	6.50	6.12	—	7.00	3.50	3.50	8.50	4.50
CN 11.2	Training of Co-operative Subordinate Personnel ..	7.50	0.95	1.00	1.69	1.00	1.00	1.00	—
	<b>Total ..</b>	<b>14.00</b>	<b>7.07</b>	<b>1.00</b>	<b>8.69</b>	<b>4.50</b>	<b>4.50</b>	<b>9.50</b>	<b>4.50</b>
<b>12. Other Co-operatives</b>									
CN 12.1	Share capital contribution to Co-operative Cold Storages and Cold Stores Federation ..	205.75	—	30.00	—	1.00	1.00	—	—
	<b>Total ..</b>	<b>205.75</b>	<b>—</b>	<b>30.00</b>	<b>—</b>	<b>1.00</b>	<b>1.00</b>	<b>—</b>	<b>—</b>
	<b>Total Co-operative Department ..</b>	<b>4060.00</b>	<b>543.69</b>	<b>801.14</b>	<b>849.42</b>	<b>787.00</b>	<b>787.00</b>	<b>1043.00</b>	<b>932.72</b>
<b>13. Co-operative Audit</b>									
CN 13.1	Staff for audit of Co-operative Societies in the State	89.75	1.14	4.64	12.72	17.95	17.95	21.95	—
CN 13.2	Training and Education of audit Staff ..	0.25	0.05	0.05	0.03	0.05	0.05	0.05	—
	<b>Total ..</b>	<b>90.00</b>	<b>1.19</b>	<b>4.69</b>	<b>12.75</b>	<b>18.00</b>	<b>18.00</b>	<b>22.00</b>	<b>—</b>
	<b>Grand Total ..</b>	<b>4150.00</b>	<b>544.88</b>	<b>805.83</b>	<b>862.17</b>	<b>805.00</b>	<b>805.00</b>	<b>1065.00</b>	<b>932.72</b>

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : IRRIGATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>(a) Multipurpose project</b>								
MP 1.1 Beas Project Unit I ..	22.00	19.27	24.04	30.00	11.00	11.00	2.00	2.00
MP 1.2 Beas Project Unit I (Extension) ..	100.00	20.22	29.04	44.00	23.00	23.00	8.00	8.00
MP 1.3 Beas Project Unit II ..	188.00	51.63	64.77	86.00	55.00	55.00	18.00	18.00
MP 1.4 Beas Project Unit II (Extension) ..	470.00	164.16	150.35	179.00	13.00	13.00	8.00	8.00
MP 1.5 Thein Dam ..	5300.00	1196.22	1238.00	1381.89	500.00	500.00	700.00	700.00
MP 1.6 Diversion weir of Shahnehar Canal system ..	1384.00	445.88	431.54	276.06	123.00	123.00	108.00	108.00
MP 1.7 Dhol Baha Dam ..	584.00	57.68	176.96	165.12	250.00	250.00	270.00	270.00
MP 1.8 Shahpur Kandi Project	5000.00	2.50	4.92	4.18	5.00	5.00	6.00	6.00
MP 1.9 Low Dams in Kandi area	996.00	1.97	16.67	25.26	100.00	100.00	187.00	187.00
(i) Maili	—	—	—	—	51.24	51.84	100.0	100.00
(ii) Patjala ki Rao	—	—	—	—	28.76	28.76	25.00	25.00
(iii) Janauri	—	—	—	—	20.00	20.00	30.00	30.00
(iv) Chohal	—	—	—	—	—	—	32.00	32.00
Total	14044.00	1959.53	2136.29	2191.51	1080.00	1080.00	1307.00	1307.00
<b>(b) Major and Medium Irriga- tion Schemes</b>								
IR 2.1 Extension of non-perennial irrigation in UBDC areas	93.00	18.04	18.61	17.63	30.00	30.00	30.00	30.00
IR 2.2 Utilisation of surplus Ravi Beas Waters ..	394.00	72.35	88.48	52.51	75.00	75.00	75.00	75.00
IR 2.3 Extension and Improvement of Shahshar canal system	2951.00	218.72	362.26	377.35	600.00	600.00	700.00	700.00
IR 2.4 Lining of Channels ..	11887.00	1556.04	1958.03	1581.00	2200.00	2200.00	2200.00	2200.00
IR 2.5 Pilot Demonstration ..	279.00	15.47	17.60	44.64	84.00	84.00	24.00	24.00
IR 2.6 Construction of New Distys. Minors and Bridges	270.00	11.56	22.49	19.13	25.00	25.00	35.00	35.00
IR 2.7 Sirhind Feeder ..	1.00	—	—	—	—	—	—	—
IR 2.8 Modernisation of existing canals ..	50.00	3.91	0.61	19.67	10.00	10.00	10.00	10.00
IR 2.9 Extension of Kandi Canal re-oriented with lift irriga- tion schemes ..	1078.00	7.49	8.56	1.94	2.00	2.00	2.00	2.00
IR 2.10 Directorate of water resources (Kandi water shed and area development project)—								
(i) Technical assistance Research and Training	265.00	46.29	50.55	41.29	21.00	21.00	30.00	30.00
(ii) Project Admin. Monitor- ing and Evaluation ..	32.00	—	6.55	—	—	—	—	—
IR 2.11 Raising Lining of Bhakra main line canal for provid- ing free board	20.00	—	—	—	1.00	1.00	1.00	1.00

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : IRRIGATION

(Rs. in lakhs)

Name of the Scheme Project	Sixth Five-year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	33	4	5	6	7	8	9	
IR 2.12	Construct.on of new lines combined channels of Bikaner canal and main branch of Eastern canal	480.00	—	—	—	1.00	1.00	1.00	1.00
IR 2.13	Providing irrigation facilities to areas left side of Narwana branch ..	500.00	—	—	—	1.00	1.00	1.00	1.00
IR 2.14	Providing irrigation facilities to areas of Erstwhile Malerkotla state ..	150.00	—	—	—	1.00	1.00	1.00	1.00
IR 2.15	Providing Irrigation facilities to Punjab areas under Satlej Yamuna Link Project ..	—	—	—	—	134.00	134.00	100.00	100.00
	Total ..	18455.00	1949.87	2533.74	2155.25	3185.00	3185.00	3210.00	3210.00
Water Development									
WD 3.1	Investigation of scheme ..	180.00	22.10	39.59	29.75	45.00	45.00	65.00	65.00
WD 3.2	Research Schemes ..	50.00	7.39	8.31	7.08	10.00	10.00	20.00	20.00
	Total ..	230.00	29.49	47.90	36.83	55.00	55.00	85.00	85.00
	General Total Irrigation (a + b) ..	32729.00	3938.89	4717.93	4383.59	4320.00	4320.00	4602.00	4602.00

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : MINOR IRRIGATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>(c) Minor Irrigation</b>									
<b>1. Agriculture Department—</b>									
MI(A) 1.1	Ground water cell (Strengthening of ground water and surface water organisation)	50.00	6.39	7.19	6.25	15.00	15.00	25.00	18.00
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 / pump sets ..	0.30	0.15	—	—	—	—	—	—
	<b>Total ..</b>	<b>50.50</b>	<b>6.58</b>	<b>7.19</b>	<b>6.25</b>	<b>15.00</b>	<b>15.00</b>	<b>25.00</b>	<b>18.00</b>
<b>2. Irrigation Department—</b>									
II(I) 2.1	Integrated utilisation of water resources ..	100.00	20.23	20.06	20.18	28.00	28.00	31.00	31.00
II(I) 2.2	Sinking of tubewells in different blocks ..	20.00	6.95	10.49	—	—	—	—	—
II(I) 2.3	Lift and flow irrigation schemes ..	3.00	3.18	—	—	—	—	—	—
II(I) 2.4	Construction of ghats on canals ..	2.00	1.64	—	—	—	—	—	—
II(I) 2.5	Sprinkler Irrigation schemes	89.00	4.30	0.27	—	—	—	—	—
II(I) 2.6	Strengthening of surface ground water (Minor Irrigation) organisation	7.50	2.91	—	—	—	—	—	—
II(I) 2.7	Underground system of Govt. Tubewells ..	—	—	2.34	—	—	—	—	—
	<b>Total (c) ..</b>	<b>221.50</b>	<b>39.21</b>	<b>33.16</b>	<b>20.18</b>	<b>28.00</b>	<b>28.00</b>	<b>31.00</b>	<b>31.00</b>
<b>3. Punjab State Tubewells Corporation—</b>									
II(I) 3.1	Tubewells and other schemes ..	477.00	136.00	130.00	85.00	207.00	207.00	207.00	207.00
	<b>Total ..</b>	<b>477.00</b>	<b>136.00</b>	<b>130.00</b>	<b>85.00</b>	<b>207.00</b>	<b>207.00</b>	<b>207.00</b>	<b>207.00</b>
	<b>Total Minor Irrigation</b>	<b>749.00</b>	<b>181.79</b>	<b>170.35</b>	<b>111.43</b>	<b>250.00</b>	<b>250.00</b>	<b>263.00</b>	<b>256.00</b>
<b>(d) C.A.D. (Lining of Water Courses)</b>									
	<b>Total C.A.D. ..</b>	<b>3881.00</b>	<b>582.00</b>	<b>605.00</b>	<b>730.00</b>	<b>580.00</b>	<b>580.00</b>	<b>575.00</b>	<b>575.00</b>
<b>4. Un-allocated provision</b>									
	<b>Total ..</b>	<b>194.00</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
	<b>Grand Total Minor Irrigation + C.A.D. ..</b>	<b>4824.00</b>	<b>763.79</b>	<b>775.35</b>	<b>841.43</b>	<b>830.00</b>	<b>830.00</b>	<b>838.00</b>	<b>831.00</b>



## LRAFT ANNUAL PLAN 1984-85

STATEMENT II: SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD: ANTI-WATER LOGGING DRAINAGE AND FLOOD CONTROL

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>(e) Anti-water logging drainage and flood control</b>								
(i) Flood control and Drainage schemes ..	2100.00	573.48			267.00	267.00	450.00	450.00
(ii) Anti-water logging and drainage schemes for lowering the water table of Faridkot and Muktsar areas ..	—	—	658.16	541.62	100.00	100.00	100.00	100.00
(iii) Diversion of Nur Pur Bedian Choes into river Sutlej ..	—	—	—	—	—	—	25.00	25.00
(iv) The canalisation and reclamation of Sutlej river bed near Ropar ..	—	—	—	—	—	—	20.00	20.00
(v) Dholbaha Dam (Drainage Portion) ..	—	—	23.50	82.36	100.00	100.00	80.00	80.00
<b>Total ..</b>	<b>2100.00</b>	<b>573.48</b>	<b>681.66</b>	<b>623.98</b>	<b>467.00</b>	<b>467.00</b>	<b>675.00</b>	<b>675.00</b>
<b>Grand Total Irrigation, Minor Irrigation and Flood Control etc. ..</b>	<b>39653.00</b>	<b>5276.16</b>	<b>6174.94</b>	<b>5849.00</b>	<b>5617.00</b>	<b>5617.00</b>	<b>6115.00</b>	<b>6108.00</b>

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II—SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : POWER

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980—85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1—GENERATION :</b>									
<b>(a) Multipurpose Projects—</b>									
MP 1.1	Beas Project Unit-I ..	324.00	284.24	354.55	445.00	170.00	170.00	34.00	34.00
MP 1.2	Beas Project Unit-I (Extension) ..	1477.00	298.03	500.28	645.00	339.00	339.00	118.00	118.00
MP 1.3	Beas Project Unit-II ..	58.00	15.86	19.89	25.00	17.00	17.00	6.00	6.00
MP 1.4	Beas Project Unit -II (Extension) ..	143.00	50.43	83.53	57.00	4.00	4.00	2.00	2.00
MP 1.5	Thein Dam including U.B.D.C.-II ..	7700.00	—	—	200.00	—	—	1800.00	1800.00
	<b>Total (a) ..</b>	<b>9702.00</b>	<b>648.56</b>	<b>958.25</b>	<b>1372.00</b>	<b>530.00</b>	<b>530.00</b>	<b>1960.00</b>	<b>1960.00</b>
<b>(b) Power Projects—</b>									
PP 1.1	Shanan Renovation Project	163.00	52.08	30.06	100.00	60.00	60.00	100.00	100.00
PP 1.2	Shanan Extension Project	314.00	33.14	356.34	100.00	13.00	13.00	20.00	20.00
PP 1.3	G.N.D.T.P. Extension-III and IV ..	872.00	25.21	131.69	142.00	137.00	137.00	50.00	50.00
PP 1.4	Anandpur Sahib Hydel Project ..	4169.00	1746.67	2681.18	4000.00	1000.00	1000.00	1000.00	1000.00
PP 1.5	Mukerian Hydel Project	10004.00	1163.84	1673.11	2900.00	200.00	200.00	5500.00	5500.00
PP 1.6	UBDC Stage-I ..	73.00	8.76	3.90	20.00	—	—	—	—
PP 1.7	Renovation/Modification of GNDTP-Bhatinda ..	—	—	—	200.00	300.00	300.00	300.00	300.00
PP 1.8	Ropar Thermal Project Stage-I ..	16000.00	1373.87	2619.13	6661.94	14000.00	14000.00	7000.00	7000.00
PP 1.9	Lump-sum unallocable provision for projects ..	763.00	—	—	—	—	—	—	—
PP 1.10	Ropar Thermal Stage-II ..	—	—	—	—	—	—	50.00	50.00
PP 1.11	Micro Hydel Schemes ..	—	—	—	—	70.00	70.00	100.00	100.00
PP 1.12	Participation in Hydel Projects with neighbour- ing States ..	—	—	—	—	—	—	200.00	200.00
	<b>Total (b) ..</b>	<b>32358.00</b>	<b>4356.57</b>	<b>7495.41</b>	<b>14123.94</b>	<b>15780.00</b>	<b>15780.00</b>	<b>14320.00</b>	<b>14320.00</b>
	<b>Total Generation-I</b>	<b>42060.00</b>	<b>5005.13</b>	<b>8453.66</b>	<b>15495.94</b>	<b>16310.00</b>	<b>16310.00</b>	<b>16280.00</b>	<b>16280.00</b>
<b>2. TRANSMISSION :</b>									
PF 2.1	Beas Transmission Pro- ject—								
	(i) BCB ..	49.00	25.72	—	(—)51.00	1.00	1.00	—	—
	(ii) PSEB ..	1050.00	1099.66	—	71.00	8.55	8.55	—	—
PP 2.2	UBDC Project ..	331.00	39.67	—	15.00	—	—	—	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II—SCHEMES

## GUTLAY AND EXPENDITURE

## HEAD : POWER

(Rs. in Lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed Outlay	Of wh.ch capital content	
1	2	3	4	5	6	7	8	9	
PP 2.3	Bhakra Right Bank PSEB	51.00	20.59	—	1.00	—	—	—	—
PP 2.4	GNDT Project	273.00	46.90	—	23.00	6.10	6.10	—	—
PP 2.5	GNDT Extension Project	449.00	53.68	—	22.00	374.00	374.00	—	—
PP 2.6	Shanan Extension Project	77.00	58.45	—	26.00	1.50	1.50	—	—
PP 2.7	220/132/66 KV works of 5th Plan connected with new schemes	2686.00	694.32	—	903.00	585.90	585.90	—	—
PP 2.8	220/132/66 KV works of 6th Plan connected with new schemes	5853.00	171.85	—	939.00	730.80	730.80	—	—
PP 2.9	Transmission Lines for Dehar Extension Project	842.00	91.92	—	32.00	1.00	1.00	—	—
PP 2.10	Sub-Transmission Lines and Sub-stations	3300.00	289.57	—	485.00	63.15	63.15	—	—
PP 2.11	Ropar Thermal Project	—	—	—	683.00	1028.00	1028.00	—	—
	2. Total Transmission	14961.00	2592.33	2827.70	3149.00*	2800.00	2800.00	—	—
	3. NORMAL DEVELOP- MENT WORKS :				(2449.00)				
PP 3.1	Normal Development and Distribution	5594.00	663.70	865.71	730.00	1000.00	1000.00	—	—
PP 3.2	System Improvement and Improvement of T & D System	2945.00	280.37	420.30	582.00	500.00	500.00	—	—
	Total (3)	8539.00	944.07	1286.01	1312.00	1500.00	1500.00	—	—
	Total (2+3)	23500.00	3536.40	4113.71	3761.00	4300.00	4300.00	4800.00	4800.00
	4. RURAL ELECTRIFICA- TION :								
PP 4.7	Rural Electrification—								
	(i) R.E.C.	3174.00	1250.83	1137.09	620.00	690.00	690.00	200.00	200.00
	(ii) Plan	3960.00	494.86	246.72	100.00	—	—	—	—
	Total (4)	7134.00	1745.69	1383.81	729.00	690.00	690.00	200.00	200.00
	5. POWER DEVELOPMENT :								
PP 5.1	Survey and Investigation	68.00	16.34	14.53	44.00	—	—	41.00	41.00
PP 5.2	Research Station	100.00	0.14	—	—	—	—	—	—
PP 5.3	Load Despatch Centre	432.00	6.35	0.50	—	—	—	200.00	200.00
	Total (5)	600.00	22.83	15.03	44.00	—	—	241.00	241.00
	Grand Total	73294.00	10310.05	13966.21	20029.94	21300.00	21300.00	21521.00	21521.00

\*Out of the outlay of Rs 3149.00 lakhs for Transmission Works, Rs 2449.00 lakhs has been met from Plan budget while Rs 700.00 lakhs would be met by reducing inventory by CE/TS.

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAYS AND EXPENDITURE**  
**HEAD : INDUSTRY AND MINERALS**

(Rs. in lakh)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>VILLAGE AND SMALL INDUSTRIES</b>									
1. Direction and Administration—									
IN 1.1	Industrial Promotion Cell	10.00	—	2.35	1.85	2.00	2.00	3.60	—
IN 1.2	Cell for Non-Resident Indians ..	1.00	—	—	—	—	—	—	—
IN 1.3	Development of Agro-based Industries ..	1.00	0.53	—	—	—	—	—	—
	Total ..	12.00	0.53	2.35	1.85	2.00	2.00	3.60	—
2. Small Scale Industries—									
IN 2.1	Grant of 2 per cent subsidy in the rate of Interest in loan by PFC for the purchase of generating sets	0.50	0.07	0.01	0.01	—	—	0.01	—
IN 2.2	Seven New Industrial Development-cum-Service Centres ...	100.00	8.65	26.53	12.88	10.00	10.00	10.00	4.00
IN 2.3	Five New Quality Marking Centres ..	39.00	3.62	4.02	2.50	2.00	2.00	2.00	—
IN 2.4	Tool Room, Ludhiana	22.00	24.82	11.17	4.14	0.10	0.10	5.00	5.00
IN 2.5	Sewing Machine Development Centre, Ludhiana ..	60.00	—	14.60	9.31	25.00	25.00	20.00	10.00
IN 2.6	Hand tool Design Institute, Jullundur ..	22.00	7.80	5.03	7.97	8.00	8.00	0.10	0.10
IN 2.7	Punjab Test House, Ludhiana ..	35.00	8.14	3.34	1.96	5.00	5.00	10.00	7.00
IN 2.8	Machine Tool and Design Development Centre, Batala ..	1.50	2.08	—	—	—	—	—	—
IN 2.9	Training of Technical Staff and visit to industries in other States ..	2.30	0.15	0.20	0.22	0.30	0.30	0.50	—
IN 2.10	Modernisation of Small Scale Industries ..	40.00	6.94	1.96	0.49	0.50	0.50	5.00	—
IN 2.11	Research and Development Centre for Bicycle, Ludhiana ..	80.00	—	15.67	8.11	25.00	25.00	30.00	18.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT—II : SCHEMES**  
**OUTLAYS AND EXPENDITURE**  
**HEAD : INDUSTRY AND MINERALS**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth-Five Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
IN 2.12 Development of Leather Industries ..	15.00	9.97	1.60	1.84	—	—	2.00	—
IN 2.13 District Industries Centre	250.00	15.20	38.33	36.74	50.00	50.00	50.00	10.00
IN 2.14 Extension of existing building of CFTRI, Ludhiana	12.00	6.52	5.35	1.56	1.00	1.00	0.10	0.10
IN 2.15 Sports Goods Complex ..	40.00	—	—	—	0.10	0.10	0.01	0.01
IN 2.16 I.S.I. Laboratory, SAS Nagar ..	—	—	—	0.88	—	—	5.00	5.00
IN 2.17 Subsidy for the purchase of generating sets ..	2.50	2.50	—	—	—	—	10.00	10.00
IN 2.18 Publicity ..	15.00	1.39	3.04	2.52	1.00	1.00	3.00	—
IN 2.19 Marketing Assistance Programme—								
(i) Export awards ..	2.30	0.30	0.50	0.10	0.50	0.50	0.50	—
(ii) Participation in industrial fairs ..	21.00	1.50	3.00	0.52	1.50	1.50	6.50	—
(iii) Trade centres ..	16.00	—	—	—	—	—	0.50	—
(iv) Export assistance including aid for registration etc. ..	3.20	1.50	0.50	0.50	—	—	—	—
(v) Dis-semination of Marketing Intelligence	4.00	—	—	—	—	—	—	—
IN 2.20 Implementation of Quality Control ..	8.00	—	0.79	0.95	2.50	2.50	4.00	—
IN 2.21 Incentives for Quality certification of SSI products	—	—	—	—	—	—	0.50	—
IN 2.22 Water affluent treatment plant in various IDC's ..	—	—	—	—	—	—	10.00	—
IN 2.23 Chief Inspector of Boilers	6.50	—	—	—	1.00	1.00	1.00	—
IN 2.24 Incentives for project report for installation of effluent treatment plant ..	25.00	—	0.09	0.02	—	—	—	—
IN 2.25 Punjab Small Industries and Export Corporation ..	80.50	0.50	—	—	—	—	—	—

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAYS AND EXPENDITURE**  
**HEAD : INDUSTRY AND MINERALS**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
IN 2.26	Credit facilities for the development of Small Scale Industries ..	40.00	9.99	10.00	—	—	—	—	—
IN 2.27	Subsidy ..	1.00	1.00	—	—	—	—	—	—
IN 2.28	Grant of 1 per cent subsidy to Punjab Financial Corporation etc. ..	0.80	1.03	—	—	—	—	—	—
IN 2.29	Establishment of Industrial Commercial Estates ..	5.00	—	—	—	—	—	—	—
IN 2.30	Surgical Instrument Complex	45.00	—	—	—	0.10	0.10	—	—
IN 2.31	Consultancy Technical Services and Testing facilities centres for Chemical Industries ..	0.50	—	—	—	—	—	—	—
IN 2.32	Shoe and Leather Goods Training Centre, Longowal	0.40	0.92	—	—	—	—	—	—
IN 2.33	Interest subsidy ..	30.00	1.00	1.00	—	—	—	—	—
IN 2.34	Training of self-employment	5.00	0.43	0.88	—	—	—	—	—
IN 2.35	Promotion of self-employment through Seed/Capital/Margin Money ..	12.00	11.72	—	—	—	—	—	—
IN 2.36	Decentralised Leather Workers ..	30.00	—	—	—	—	—	—	—
	<b>Total ..</b>	<b>1073.00</b>	<b>127.74</b>	<b>147.61</b>	<b>93.22</b>	<b>133.60</b>	<b>133.60</b>	<b>175.72</b>	<b>69.21</b>
<b>3. Handloom Industry—</b>									
IN 3.1	(i) Programme for the Handloom Industry ..	12.00	—	3.00	2.55	3.00	3.00	3.00	3.00
	(ii) Installation of Jaquard machines ..	2.50	2.50	—	—	—	—	—	—
	(iii) Interest Free Loan for Margin Money ..	0.50	0.50	—	—	—	—	—	—
	(iv) Training of weavers	2.50	0.50	0.50	0.32	0.50	0.50	0.50	—
	(v) Rebate on sale of cotton handloom cloth ..	18.00	2.00	4.00	1.51	4.00	4.00	6.00	—
	(vi) Training-cum-Production Centre in sub-mountain area ..	12.50	1.76	2.19	1.83	2.50	2.50	2.00	—
	(vii) Construction of workshop for weavers ..	2.00	2.00	—	—	—	—	—	—
	(viii) Special Training scheme for handloom weavers	—	—	20.00	—	—	—	—	—
	(ix) Strengthening of SASMIRA centre, Amritsar ..	—	—	—	—	—	—	1.00	—

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAYS AND EXPENDITURE**  
**HEAD : INDUSTRY AND MINERALS**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
N 3.2	Punjab State Handloom and Textile Development Corporation ..	100.00	9.00	25.00	135.00	75.00	75.00	1.00	1.00
IN 3.3	Punjab State Hosiery and Knitwear Development Corporation ..	125.00	16.00	23.00	15.00	25.00	25.00	80.00	80.00
	<b>Total</b> ..	<b>275.00</b>	<b>34.26</b>	<b>77.69</b>	<b>156.21</b>	<b>110.00</b>	<b>110.00</b>	<b>93.50</b>	<b>84.00</b>
<b>4. Khadi and Village Industries—</b>									
IN 4.1	Integrated Rural Development Programme ..	175.00	29.17	25.00	3.52	28.80	28.80	—	—
IN 4.2	Punjab State Leather Development Corporation ..	200.00	21.00	27.90	8.00	20.00	20.00	50.00	50.00
	<b>Total</b> ..	<b>375.00</b>	<b>50.17</b>	<b>52.90</b>	<b>11.52</b>	<b>48.80</b>	<b>48.80</b>	<b>50.00</b>	<b>50.00</b>
<b>5. Handicrafts—</b>									
N 5.1	Development of Handicraft Industries ..	20.00	1.71	2.13	2.03	5.00	5.00	5.00	—
IN 5.2	Carpet weaving training centre to be set up by PSIEC ..	50.00	—	—	—	—	—	—	—
	<b>Total</b> ..	<b>70.00</b>	<b>1.71</b>	<b>2.13</b>	<b>2.03</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>—</b>
<b>6. Sericulture—</b>									
IN 6.1	Development of Sericulture Industries ..	30.00	2.85	1.13	1.76	3.00	3.00	3.30	—
	<b>Total</b> ..	<b>30.00</b>	<b>2.85</b>	<b>1.13</b>	<b>1.76</b>	<b>3.00</b>	<b>3.00</b>	<b>3.30</b>	<b>—</b>
<b>7. Statistics—</b>									
IN 7.1	Statistical Cell ..	1.00	—	—	—	—	—	—	—
	<b>Total</b> ..	<b>1.00</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
	<b>Total: Village and Small Industries</b> ..	<b>1836.00</b>	<b>217.26</b>	<b>283.81</b>	<b>266.59</b>	<b>302.40</b>	<b>302.40</b>	<b>331.12</b>	<b>203.21</b>

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**[ OUTLAY AND EXPENDITURE ]**  
**HEAD : INDUSTRY AND MINERALS**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>MEDIUM AND LARGE INDUSTRIES</b>									
<b>8. Financial Corporation—</b>									
IN 8.1	Punjab Financial Corpora- tion ..	100.00	10.00	15.00	30.00	100.00	100.00	10.00	10.00
IN 8.2	Industrial Financial Cor- poration of India ..	1.00	—	—	—	—	—	—	—
	<b>Total ..</b>	<b>101.00</b>	<b>10.00</b>	<b>15.00</b>	<b>30.00</b>	<b>100.00</b>	<b>100.00</b>	<b>10.00</b>	<b>10.00</b>
<b>9. Development Cor- poration—</b>									
IN 9.1	Punjab State Industrial Development Corporation	2950.00	421.00	420.00	226.50	400.00	400.00	500.00	500.00
	<b>Total ..</b>	<b>2950.00</b>	<b>421.00</b>	<b>420.00</b>	<b>226.50</b>	<b>400.00</b>	<b>400.00</b>	<b>500.00</b>	<b>500.00</b>
<b>10. Other Corporations</b>									
IN 10.1	Punjab State Electronics Development & Pro- duction Corporation ..	200.00	30.00	50.00	60.00	60.00	60.00	100.00	100.00
IN 10.2	Punjab Goindwal Industrial and Investment Corpora- tion. ..	—	—	128.00	60.00	75.00	75.00	15.00	15.00
	<b>Total ..</b>	<b>200.00</b>	<b>30.00</b>	<b>178.00</b>	<b>120.00</b>	<b>135.00</b>	<b>135.00</b>	<b>115.00</b>	<b>115.00</b>
<b>11. Industrial Areas</b>									
IN 11.1	<b>Focal Growth Points/ Incentives to new Industries—</b>								
	(i) Acquisition of land—								
	(a) Focal growth points	850.00	212.00	108.00	145.00	150.00	150.00	250.00	250.00
	(b) D.C.W., Patiala ..	—	—	230.00	—	1.00	1.00	—	—
	(c) Goindwal Complex	—	—	42.00	—	—	—	—	—
	(ii) Loans to PSIEC. ..	195.00	35.00	—	—	—	—	—	—
	(iii) Interest-free loan ..	1015.00	179.68	175.00	55.52	270.00	270.00	600.00	600.00
	(iv) Maintenance charges	12.00	5.00	1.75	1.12	—	—	—	—
	(v) Electricity charges etc.	13.50	1.58	2.00	2.00	2.00	2.00	3.00	—
	(vi) Investment loans ..	7.00	—	—	—	—	—	—	—
	(vii) Land Subsidy ..	621.00	8.09	15.00	10.00	70.00	70.00	150.00	150.00
	(viii) Reimbursement of Octroi/Terminal Tax ..	35.00	0.50	5.00	5.00	10.00	10.00	20.00	—
	(ix) Feasibility Report ..	8.00	0.34	0.60	—	1.00	1.00	1.00	—



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : INDUSTRY AND MINERALS

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
(x) Subsidy on electricity tariff ..	49.50	61.50	14.40	28.65	40.00	40.00	42.00	—
(x.) Grant of subsidy to GICO for land provided to BEHL ..	—	—	—	34.12	—	—	—	—
IN 11.2 Outright Subsidy ..	225.00	30.00	27.28	49.88	215.00	215.00	300.00	300.00
Total ..	3031.00	533.69	621.03	331.29	759.00	759.00	1366.00	1300.00
12. Others—								
IN 12.1 Electronics Development & Testing Laboratory, SAS Nagar ..	30.00	7.95	5.00	—	0.10	0.10	0.01	—
Total ..	30.00	7.95	5.00	—	0.10	0.10	0.01	—
Total Medium and Large Industries ..	6312.00	1002.64	1239.03	707.79	1394.10	1394.10	1991.01	1925.00
13. Mines & Minerals—								
IN 13.1 Development of Mines & Minerals ..	20.00	3.00	10.10	3.00	2.50	2.50	3.00	—
Total ..	20.00	3.00	10.10	3.00	2.50	2.50	3.00	—
Grand Total ..	8168.00	1222.90	1532.94	977.38	1699.00	1699.00	2325.13	2128.21

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD. ROADS AND BRIDGES

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
1. State Highways, District and other Roads									
RD 1.1	Main Roads and Missing Links ..	120.00	29.06	35.12	32.40	25.00	25.00	25.00	25.00
RD 1.2	Improvement/widening and providing additional crust on existing roads ..	1850.00	555.26	436.68	179.39	200.00	200.00	450.00	450.00
RD 1.3	Arboriculture and landscaping of roads ..	15.00	—	—	—	—	—	—	—
2. Machinery and Equipment									
RD 2.1	Machinery ..	250.00	0.69	8.88	8.13	25.00	25.00	25.00	25.00
3. Minimum Needs Programme									
RD 3.1	(i) Village Roads ..	2000.00	425.54	465.84	407.90	780.00	780.00	30.00	30.00
	(ii) Zila Parishad Roads ..	80.00	—	8.64	1.60	—	—	—	—
4. Safety Works including Bridges									
RD 4.1	Bridges ..	1745.00	155.13	208.86	152.19	450.00	450.00	550.00	550.00
5. Other Expenditure									
RD 5.1	Central Road Fund ..	300.00	75.74	37.65	27.00	40.00	40.00	120.00	120.00
RD 5.2	Improvement of Roads within M.C. Limit ..	230.00	41.99	47.29	37.49	25.00	25.00	35.00	35.00
RD 5.3	Bye-passes ..	360.00	17.81	8.35	14.68	30.00	30.00	40.00	40.00
RD 5.4	Research and Development, field Training, Labs, and Purchase of equipment ..	50.00	—	—	—	5.00	5.00	5.00	5.00
Total ..		7000.00	1301.22	1257.31	860.78	1580.00	1580.00	1280.00	1280.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II: SCHEMES**  
**OUTLAY AAD EXPENDITURE**  
**HEAD: ROAD TRANSPORT**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-	1980-81	1981-82	1982-83	1983-84		1984-85		
	Year Plan 1980-85 approved Outlay	Actual Expendi- ture	Actual Expendi- ture	Actual- Expendi- ture	Approved Outlay	Anticipa- ted Expen- diture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
RT 1	Pepsu Road Transport Corporation (Share Capital Contribution) ..	1025.00	305.00	305.00	305.00	400.00	400.00	500.00	500.00
RT 2	Punjab Roadways—								
	(i) Land and Building ..	178.00	185.15	71.82	139.65	121.00	121.00	219.00	219.00
	(ii) Acquisition of fleet—								
	(a) Addition ..	1154.00	308.52	149.71	—	—	—	—	—
	(b) Replacement ..	1609.00	969.49	267.78	138.16	355.20	355.20	564.00	564.00
	(iii) Workshop facilities ..	25.50	26.10	8.20	3.37	20.80	20.80	15.00	15.00
	(iv) Other Expenditure	8.50	0.98	1.85	1.00	3.00	3.00	2.00	2.00
	(v) Refabrication of bus bodies ..	—	—	—	—	—	—	—	—
	Total (i) to (v) ..	2975.00	1490.24	499.36	282.18	500.00	500.00	800.00	800.00
	Total RT 1 and RT 2	4000.00	1795.24	804.36	587.18	900.00	900.00	1300.00	1300.00

**ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : CIVIL AVIATION**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipat- ed ex- penditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>CIVIL AVIATION</b>									
<b>1. Training and Education</b>									
AV 1.1	(i) Provision for aircraft maintenance Engineering School at Patiala ..	28.00	8.00	5.00	2.50	5.00	5.00	5.00	—
	(ii) Provision for Simulator Training ..	8.00	—	2.00	2.00	1.00	1.00	1.00	—
<b>2. Aerodromes and Air Route Service—</b>									
AV 2.1	Extension of hostel building and construction of Canteen, Rest Houses, VIP Lounge etc. ..	5.00	2.50	1.00	—	—	—	2.00	2.00
<b>3. Machinery and Equip-ment</b>									
AV 3.1	Advanced training of Pilots	29.00	19.00	9.19	5.34	8.00	8.00	10.00	10.00
	Total ..	70.00	29.50	17.19	9.84	14.00	14.00	18.00	12.00
T 1	Tourism Corporation (Share Capital contribution) ..	255.00	45.00	30.00	31.00	25.00	25.00	30.00	30.00

## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expen- diture	Actual Expen- diture	Actual Expe- nditure	Approved Outlay	Antici- pated Expen- diture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>I School Education</b>									
<b>(I) Elementary Education (Classes I-V)</b>									
ED 1.1	(A) Expansion of facilities for full-time Schools—								
	(i) Opening of single teacher Primary Schools ..	15.39	1.45	1.92	2.15	2.40	2.40	3.35	—
	(ii) Furniture for Government Primary Schools ..	47.00	7.17	—	3.04	10.20	10.20	10.20	—
	(iii) Improvement of Primary Schools ..	18.00	0.49	1.98	1.78	2.20	2.20	5.00	—
	(iv) Lavatories and drinking water facilities ..	20.40	1.88	0.82	0.43	0.80	0.80	1.00	—
	(v) Library services ..	8.79	3.07	1.76	0.36	0.40	0.40	0.40	—
	(B) Part-time Classes 1 to 5(6-11)								
	(i) Introduction of Non-formal Education Programme ..	17.00	2.20	2.21	2.04	2.50	2.50	2.50	—
ED 1.2	Construction of class rooms school buildings ..	510.00	49.72	100.36	103.26	100.00	100.00	150.00	150.00
ED 1.3	Replenishment/provision of science kits for primary schools ..	15.27	1.88	—	—	—	—	—	—
ED 1.4	Administration and Supervision—Additional staff ..	70.15	—	—	—	1.00	1.00	2.10	—
ED 1.5	Inservice Training of JBT Teachers ..	4.00	—	0.45	0.37	0.50	0.50	1.00	—
	<b>Total</b> ..	<b>726.00</b>	<b>67.86</b>	<b>109.45</b>	<b>113.43</b>	<b>120.00</b>	<b>120.00</b>	<b>175.55</b>	<b>150.00</b>
<b>2. Middle School Education (Classes VI to VIII)</b>									
ED 2.1	Expansion of facilities for full time schools—								
	(i) Upgradation of Primary Schools to Middle Standard ..	504.53	46.24	113.55	160.15	225.21	225.21	282.60	—
	(ii) Posts of PTIs for Government Middle Schools and Middle Departments of High/Higher Secondary Schools ..	69.40	13.91	17.73	22.29	23.04	23.04	24.72	—
	(iii) Additional posts of Masters/Mistresses on accounts of additional enrolment ..	342.90	53.20	66.88	80.03	79.56	79.56	91.26	—
ED 2.2	Non-formal Education ..	15.00	0.84	0.93	2.09	2.50	2.50	2.50	—

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
ED 2.3 Children Theatre Group —								
(i) Children Theatre Group ..	14.20	1.29	1.23	—	—	—	—	—
(ii) Integrated education for physically handicapped children ..	8.52	—	0.04	—	—	—	—	—
ED 2.4 Construction of Buildings—								
(i) Class Rooms/School Buildings ..	11.00	2.32	1.74	0.71	1.00	1.00	1.00	1.00
(ii) Science Rooms for Govt. Middle Schools ..	19.00	—	2.07	2.76	6.50	6.50	20.00	20.00
(iii) Integrated education for physically handicapped children ..	4.20	—	0.01	—	—	—	—	—
ED 2.5 Qualitative Improvements—								
(i) Vocationalisation of Education ..	126.23	—	—	—	—	—	—	—
(ii) Additional posts of Science Masters/Mistress ..	126.60	19.01	21.07	25.58	29.38	29.38	33.70	—
(iii) Supply of Science Kits for Govt. Middle Schools ..	13.39	1.38	12.00	—	—	—	—	—
(iv) Introduction of Domestic Science in Govt. Middle Schools and Middle Departments of High/Higher Secondary Schools ..	4.00	0.45	0.79	0.97	1.01	1.01	1.10	—
ED 2.6 Additional Staff for Supervision ..	127.08	5.60	6.49	7.52	6.50	6.50	7.50	—
Total ..	1386.05	144.24	244.53	302.10	374.70	374.70	464.38	21.00
3. Secondary Education— (High/Higher Secondary Schools)								
ED 3.1 Upgradation of Government Middle Schools to high standard ..	750.18	121.85	243.29	342.97	372.82	372.82	428.00	—
ED 3.2 Scholarships for poor but brilliant students ..	33.24	5.35	4.89	3.88	6.56	6.56	6.56	—
ED 3.3 Construction of buildings—								
(i) Science Laboratories ..	22.50	1.26	6.76	6.76	5.00	5.00	20.00	20.00
(ii) Extension of existing buildings/construction of new buildings ..	159.36	25.05	21.38	14.98	52.00	52.00	40.50	40.50

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : GENERAL EDUCATION**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approged Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>ED 3.4</b> Improvement of programmes—								
(i) Holding of science talent search examination ..	2.92	0.20	0.51	0.27	0.68	0.68	0.68	—
(ii) Creation of posts of laboratory attendants. ..	82.01	9.61	17.11	24.71	25.20	25.20	26.64	—
(iii) Vocationalisation of Education at Secondary stage ..	254.21	28.82	22.95	22.60	80.00	80.00	90.00	—
(iv) Introduction of library service in Govt. High/Higher Secondary Schools	38.81	5.95	7.05	8.13	9.36	9.36	10.00	—
(v) Introduction of Home Science in Government High/Higher Secondary Schools ..	5.46	0.76	1.01	1.01	1.26	1.26	1.45	—
(vi) Introduction of the subject of music ..	9.28	0.94	1.38	1.65	2.22	2.22	2.50	—
(vii) Lavatory and drinking water facilities for girls students ..	—	—	—	—	5.00	5.00	5.00	—
E.D. 3.5 Introduction of 10+2 system ..	—	—	—	—	—	—	60.00 (provisional)	—
<b>Total</b> ..	<b>1357.97</b>	<b>199.79</b>	<b>326.33</b>	<b>426.96</b>	<b>560.10</b>	<b>560.10</b>	<b>691.33</b>	<b>60.50</b>
<b>4. Teacher's Education</b>								
<b>ED 4.1</b> Secondary Stages—								
(i) Inservice Training of Teachers ..	50.00	8.38	7.63	5.61	8.00	8.00	12.00	—
(ii) SCERT ..	20.50	—	0.45	1.71	1.00	1.00	6.11	—
(iii) Technology Cell ..	—	—	1.57	1.22	2.40	2.40	2.61	—
(iv) Population Education Project(State share) ..	—	—	—	0.04	0.15	0.15	0.35	—
<b>Total</b> ..	<b>70.50</b>	<b>8.38</b>	<b>9.65</b>	<b>8.58</b>	<b>11.55</b>	<b>11.55</b>	<b>21.07</b>	<b>—</b>
<b>5. Adult Education</b>								
<b>ED 5.1</b> Introduction of Social Education ..	100.00	—	—	—	10.00	10.00	10.00	—
<b>Total</b> ..	<b>100.00</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>10.00</b>	<b>10.00</b>	<b>10.00</b>	<b>—</b>





**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND AND EXPENDITURE**  
**HEAD : GENERAL EDUCATION**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Agreed Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>10. Assistance to Non-Government Colleges—</b>									
ED 11·1	Grant-in-aid to Non-Govt. Colleges ..	12·00	—	—	—	—	—	—	
	Total ..	12·00	—	—	—	—	—	—	
<b>12. Student Welfare—</b>									
ED 12·1	Hostels for Government Colleges ..	25·50	4·27	5·82	3·52	8·70	8·70	13·72	12·72
	Total ..	25·50	4·27	5·82	3·52	8·70	8·70	13·72	12·72
<b>13. Scholarships—</b>									
ED 13·1	State Merit Scholarships..	25·00	5·00	5·00	5·26	5·26	5·26	5·26	—
	Total	25·00	5·00	5·00	5·26	5·26	5·26	5·26	—
<b>14. Seminars and Refresher Courses—</b>									
ED 14·1	Seminars and Refresher Courses ..	5·00	—	—	—	0·20	0·20	1·00	—
	Total ..	5·00	—	—	—	0·20	0·20	1·00	—
<b>15. Arts and Culture—</b>									
ED 15·1	Establishment and Strengthening of District Libraries	37·00	2·49	3·43	5·48	9·59	9·59	11·80	5·40
	Total ..	37·00	2·49	3·43	5·48	9·59	9·59	11·80	5·40
	Total (University and College Education) ..	900·00	95·43	108·92	58·97	124·45	124·45	194·38	41·42
<b>III. OTHER PROGRAMMES</b>									
<b>16. Languages—</b>									
ED 16·1	Development of Languages—Hindi, Punjabi and Urdu	58·38	5·82	8·89	7·50	11·00	11·00	14·91	—
ED 16·2	Promotion of Regional Languages (State share for Punjab University Text Book Board) ..	44·62	5·90	6·04	7·21	9·76	9·76	9·76	—
	Total ..	103·00	11·72	14·93	14·71	20·76	20·76	24·67	—
<b>17. Youth Services—</b>									
ED 17·1	Punjab Inter-University Youth Festivals ..	2·50	—	—	0·50	0·50	0·50	0·75	—
ED 17·2	Teachers Training Camp for College/Higher Secondary/High Schools ..	1·73	0·09	0·10	0·12	0·12	0·12	0·16	—

## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85		
					Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
ED 17.3 (a) Youth Leadership Training Campus ..	8.00	0.81	1.85	2.67	2.90	2.90	3.35	—	
(b) Hiking, Trekking, Mountaineering in High altitude Areas ..	4.78	0.72	—						
ED 17.4 Grant-in-aid to village youth ..	2.99	0.20	0.46	0.46	0.50	0.50	0.74	—	
ED 17.5 Inter-State Tours ..	7.40	1.00	1.24	1.08	1.21	1.21	1.45	—	
ED 17.6 Grant-in-aid to College/School Youth Clubs ..	3.50	0.28	0.60	0.30	0.60	0.60	0.80	—	
ED 17.7 N.S.S (State share) ..	45.85	7.56	7.92	11.48	12.46	12.46	13.54	—	
<b>Total</b> ..	<b>76.75</b>	<b>10.66</b>	<b>12.17</b>	<b>16.61</b>	<b>18.29</b>	<b>18.29</b>	<b>20.79</b>	<b>—</b>	
<b>18. Sports and Games—</b>									
ED 18.1 Coaching Scheme ..	42.75	5.80	6.35	7.02	7.00	7.00	8.00	—	
ED 18.2 Competition Scheme ..	27.00	4.58	3.10	2.12	4.50	4.50	5.00	—	
ED 18.3 Scholarships ..	14.25	2.60	2.60	1.93	2.60	2.60	3.00	—	
ED 18.4 Purchase of Sports Equipment ..	31.55	5.90	5.75	2.10	6.00	6.00	6.00	—	
ED 18.5 State Sports Academy ..	27.10	0.10	4.90	0.47	5.50	5.50	5.00	—	
ED 18.6 Sports Hostels ..	32.35	4.87	0.27	5.00	1.40	1.40	5.00	—	
ED 18.7 Construction of Sports Complexes (Grant-in-aid) ..	55.00	10.89	10.00	—	8.00	8.00	8.00	—	
<b>Total</b> ..	<b>230.00</b>	<b>34.74</b>	<b>32.97</b>	<b>18.64</b>	<b>35.00</b>	<b>35.00</b>	<b>40.00</b>	<b>—</b>	
<b>19. Archives—</b>									
ED 19.1 Opening of State Archives Repository at Chandigarh ..	5.00	—	—	0.06	0.50	0.50	0.95	—	
ED 19.2 Opening of Regional Archives Centre at Divisional level, Ferozpur and Jalandhar ..	—	—	—	0.02	0.50	0.50	0.58	—	
<b>Total</b> ..	<b>5.00</b>	<b>—</b>	<b>—</b>	<b>0.08</b>	<b>1.00</b>	<b>1.00</b>	<b>1.53</b>	<b>—</b>	
<b>20. Archaeology and Museums—</b>									
ED 20.1 Conservation of Ancient Historical Monuments (Office Expenses) ..	30.00	4.00	7.00	3.96	6.00	6.00	6.60	—	
ED 20.2 Excavation and exploration ..	2.00	0.30	0.50	0.30	1.20	1.20	1.25	—	

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expd.	Actual Expd.	Actual Expd.	Approved Outlay	Anticipat- ed Expd.	Proposed Outlay	Of whi ch capital content
1	2	3	4	5	6	7	8	9
ED 20·3 Display equipment for Museum including purchase of Art, Objects and Antiques ..	5·00	0·90	1·50	1·98	1·80	1·80	2·00	—
ED 20·4 Development of Archaeology Library ..	1·00	0·06	0·10	0·18	0·20	0·20	0·25	—
ED 20·5 Equipment and Machinery	3·00	0·42	0·50	0·50	0·50	0·50	0·60	—
ED 20·6 Transplantation of Paintings	3·00	—	0·50	0·35	0·50	0·50	0·55	—
ED 20·7 Strengthening of Archaeology and Museum Department, administrative and other staff	3·00	—	—	—	1·00	1·00	1·20	—
ED 20·8 Publication of Archaeology Report ..	3·00	0·01	0·10	0·05	0·20	0·20	0·25	—
ED 20·9 Setting up of Archaeology Lab. ..	3·00	0·11	0·50	0·70	0·60	0·60	0·75	—
ED 20·10 Opening of New Museums	4·00	—	0·80	—	1·00	1·00	1·20	—
ED 20·11 Canon Park Shed ..	3·00	—	—	—	0·50	0·50	0·60	—
ED 20·12 Landscaping/beautification around monuments ..	3·00	—	0·50	0·50	1·50	1·50	1·75	—
Total ..	63·00	5·80	12·00	8·52	15·00	15·00	17·00	—
21. Promotion of Art and Culture								
ED 21·1 Revival of Folk Song and Dances ..	10·00	0·51	1·00	0·44	0·50	0·50	0·50	—
ED 21·2 Setting up of Punjabi Culture Centre at Delhi ..	50·00	—	—	—	0·90	0·90	1·00	1·00
ED 21·3 Setting up of Punjab Culture Village at Chhatbir ..	5·00	—	—	—	0·10	0·10	—	—
ED 21·4 Sponsoring of Cultural Troups to other States ..	7·00	1·25	1·20	0·96	1·00	1·00	1·00	—
ED 21·5 Grant-in-aid to the institutions engaged in the Promotion of Art and Culture ..	10·00	6·00	0·20	0·05	1·00	1·00	1·00	—
ED 21·6 Holding of Musical and Cultural Conferences/Seminar and Celebration ..	3·00	—	0·40	0·47	0·50	0·50	0·50	—
ED 21·7 Strengthening of Cultural Affairs Wing Administrative and Technical Staff ..	5·25	—	0·51	0·54	1·00	1·00	1·00	—
Total ..	90·25	7·76	3·31	2·46	5·00	5·00	5·00	1·00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT -II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : GENERAL EDUCATION

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Agreed Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expd.	Actual Expd.	Actual Expd.	Approved Outlay	Anticipat- ed Expd.	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
22. Chhatbir Complex								
ED 22.1 Setting up of International Children Home at Chhatbir ..	40.00	0.43	1.56	0.84	1.00	1.00	1.00	1.00
Total ..	40.00	0.43	1.56	0.84	1.00	1.00	1.00	1.00
Grand Total ..	5300.00	610.34	900.65	1000.43	1330.00	1330.00	1705.00	274.92

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>Technical Education</b>									
1. Direction and Adminis- tration—									
TE 1.1	Strengthening of directorate	10.00	—	0.15	1.19	2.00	2.00	2.00	—
	Total ..	10.00	—	0.15	1.19	2.00	2.00	2.00	—
2. Engineering Colleges—									
(a) Private Engineering Colleges—									
TE 2.1	Diversified degree courses in Industrial Design Mechanical Engineering at T.I.E.T., Patiala	6.00	—	1.50	1.00	2.00	2.00	5.00	—
TE 2.2	Diversified degree course in electronics and electrical communication at G.N.E.C., Ludhiana and T.I.E.T., Patiala ..	10.00	0.10	3.00	0.50	2.00	2.00	4.00	—
TE 2.3	Part-time degree course in engineering colleges ..	3.00	—	—	—	0.10	0.10	—	—
TE 2.4	Consultancy services in G.N.E.C., Ludhiana and T.I.E.T. Patiala ..	3.00	0.02	0.50	—	0.05	0.05	—	—
TE 2.5	Development funds for the G.N.E.C., Ludhiana ..	22.50	7.50	7.50	7.50	—	—	—	—
TE 2.6	Development of Metrology and Heat Transfer at G.N.E.C., Ludhiana ..	1.00	—	1.00	—	—	—	—	—
	Total ..	45.50	7.80	13.50	9.00	4.15	4.15	9.00	—
(b) Government Engineer- ing Colleges—									
TE 2.7	Setting up of a Govern- ment (New) Engineering College	86.00	—	—	—	16.50	16.50	1.50	1.00
TE 2.8	Setting up an Institute of Enterpreunral Develop- ment and Management	—	—	—	0.01	0.50	0.50	0.20	—
	Total	86.00	—	—	0.01	17.00	17.00	1.70	1.00

## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81 Actual Expd.	1981-82 Actual Expd.	1982-83 Actual Expd.	1983-84		1984-85		
					Approved outlay	Antici- pated Expd.	Proposed outlay	Of which capital content	
	2	3	4	5	6	7	8	9	
<b>3. Polytechnics</b>									
<b>(a) Government Polytechnics—</b>									
TE 3.1	Diploma course in electronics and electrical communication and commercial practices Government Polytechnics, Hoshiarpur	—	0·11	—	—	—	—	—	
TE 3.2	Production-cum-training centre at Government Polytechnic, Amritsar	5·00	—	0·01	—	1·00	1·00	1·00	0·50
TE 3.3	Service-cum-training centre at Polytechnic, Batala	5·00	—	0·90	—	1·00	1·00	1·00	0·50
TE 3.4	Setting up of a new Government Polytechnic at Bathinda	65·00	—	12·00	12·77	15·00	15·00	30·00	20·00
TE 3.5	Part-time Civil /Elect./ Mechanical diploma course at Govt. Polytechnic Hoshiarpur/Batala/Amritsar	5·00	0·40	0·99	1·79	2·50	2·50	2·00	—
TE 3.6	Two years Diploma Course in Commercial Practice Regional Language Punjabi at Govt. Polytechnic Hoshiarpur and Amritsar	—	—	—	—	—	—	2·00	1·00
	<b>Total</b>	<b>80·00</b>	<b>0·51</b>	<b>13·90</b>	<b>14·56</b>	<b>19·50</b>	<b>19·50</b>	<b>36·00</b>	<b>22·00</b>
<b>(b) Private Polytechnics—</b>									
TE 3.7	Three Years Architectural Assistance at Thapar Polytechnic, Patiala	5·00	—	—	—	2·00	2·00	2·00	—
TE 3.8	Three Years diploma course in electronics at M.C., Poly. Jullundur	1·00	—	1·00	—	0·50	0·50	2·00	—
TE 3.9	One Year -Post diploma course in Hospital Engineering at Thapar Polytechnic, Patiala	2·50	—	—	—	2·00	2·00	2·00	—
TE 3.10	Part-time diploma course at Jullundur and Ludhiana	1·00	—	0·25	—	0·25	0·25	0·25	—
	<b>Total</b>	<b>9·50</b>	<b>—</b>	<b>1·25</b>	<b>—</b>	<b>4·75</b>	<b>4·75</b>	<b>6·25</b>	<b>—</b>
<b>INDUSTRIAL TRAINING WING</b>									
TE 4.1	Introduction of new courses at Government Polytechnic for women, Jullundur,	7·00	0·11	0·60	0·24	1·50	1·50	4·00	2·50

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II-SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD: TECHNICAL EDUCATION

(Rs in lakhs)

Name of Scheme/Project	Sixth Five Year Plan 1980-85 Approved outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expd.	Actual Expd.	Actual Expd.	Approved outlay	Antici- pated Expd.	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
TE 4.2	Starting of 2nd shift at Punjab Institute of Textile Technology, Amritsar	3.00	0.10	0.56	0.28	0.50	0.50	1.00	—
TE 4.3	Modernisation of building/machinery/equipment/library in special trade diploma level institutes	23.00	0.86	2.21	1.15	3.00	3.00	7.50	2.50
TE 4.4	Degree Level Course in Textile Technology at Amritsar	—	—	—	—	—	—	1.00	0.50
	Total	33.00	1.07	3.37	1.67	5.00	5.00	13.50	5.50
	Other Programmes								
TE 5.1	Modernisation/Strengthening of equipment in Polytechnics	18.00	2.86	3.25	0.68	4.00	4.00	5.00	—
TE 5.2	Scholarships	1.00	—	—	—	0.10	0.10	0.05	—
TE 5.3	Student amenities and development of campus	6.00	1.24	0.70	0.02	1.00	1.00	1.00	1.00
TE 5.4	Development of libraries	3.00	0.50	0.40	0.16	1.00	1.00	1.00	—
TE 5.5	Book bank for poor students	3.00	0.50	0.50	0.16	0.50	0.50	2.00	—
TE 5.6	Staff quarters in Government Polytechnics	5.00	0.53	0.69	0.22	1.00	1.00	5.00	5.00
	Total	36.00	5.63	5.54	1.24	7.60	7.60	14.05	6.00
	Grand Total	300.00	15.01	37.71	27.67	60.00	60.00	82.50	34.50

## DRAFT ANNUAL PLAN 1984-85

STATEMENT II : SCHEMES  
OUTLAY AND EXPENDITURE  
HEAD : SCIENCE & TECHNOLOGY/ENVIRONMENTAL  
PROGRAMMES

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Approved Outlay	Anticipa- ted Ex- penditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>SCIENCE AND TECHNOLOGY</b>								
ScT 1. Subsidy for Wind pumps	—	—	—	—	3.00	3.00	—	—
ScT 2. Pilot thermal power stations exclusively based on agricultural wastes	—	—	—	—	5.00	5.00	—	—
ScT 3. Subsidy for sponsored re- search for applied science and technology including consultancy studies	—	—	—	—	12.00	12.00	—	—
ScT 4. Installation of flow turbines	—	—	—	—	—	—	2.00	2.00
ScT 5. Installation of water heating panels	—	—	—	—	—	—	4.50	4.50
ScT 6. Installation cost for wind pumps	—	—	—	—	—	—	1.50	1.50
ScT 7. Grant-in-aid to Punjab State Council for Science and Technology	—	—	—	—	—	—	10.00	—
ScT 8. Meteorological satellite ground station	—	—	—	—	—	—	2.50	2.50
ScT 9. Technical and Secretariat Staff	—	—	—	—	—	—	4.50	—
Total	—	—	—	—	20.00	20.00	25.00	10.50
<b>ENVIRONMENTAL PRO- GRAMMES</b>								
EnP 1. Monitoring of dust, air and gaseous pollution	—	—	—	—	—	—	10.00	—
EnP 2. Study of emission of smoke and other pollution gases	—	—	—	—	—	—	4.00	—
EnP 3. Environment Board and Committees	—	—	—	—	—	—	1.00	—
Total	—	—	—	—	—	—	15.00	—



**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81 Actual Expd.	1981-82 Actual Expd.	1982-83 Actual Expd.	1983-84		1984-85		
					Approved outlay	Antici- pated Expd.	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>MEDICAL EDUCATION AND RESEARCH</b>									
<b>Direction and Administration—</b>									
1.1	Strengthening of office of DRME, Punjab ..	6.00	0.63	1.00	1.36	1.50	1.50	2.00	—
	<b>Total ..</b>	<b>6.00</b>	<b>0.63</b>	<b>1.00</b>	<b>1.36</b>	<b>1.50</b>	<b>1.50</b>	<b>2.00</b>	<b>—</b>
<b>Medical Relief—</b>									
MD 2.1	Expansion & Improvement of S.G.T.B. Hospital, Amritsar ..	220.00	51.81	38.91	42.13	103.00	103.00	88.20	—
MD 2.2	Expansion & Improvement of Rajindra Hospital, Patiala	210.00	30.17	53.01	29.56	65.00	65.00	77.70	—
MD 2.3	Expansion & Improvement of T.B. Hospital, Amritsar	26.00	3.44	2.04	1.77	2.50	2.50	3.00	—
MD 2.4	Expansion & Improvement of T.B. Hospital, Patiala ..	20.00	2.53	1.55	1.71	2.00	2.00	4.50	2.00
	<b>Total ..</b>	<b>476.00</b>	<b>87.95</b>	<b>95.51</b>	<b>75.17</b>	<b>172.50</b>	<b>172.50</b>	<b>173.40</b>	<b>2.00</b>
<b>3. Medical Education—</b>									
MD 3.1	Expansion & Improvement of Medical, College, Amrit- sar ..	85.00	9.87	15.18	8.69	20.00	20.00	27.12	—
MD 3.2	Expansion & Improvement of Medical College, Patiala	71.00	2.02	10.46	7.66	20.00	20.00	27.63	—
MD 3.3	Expansion & Improvement of Dental College, Amritsar	25.00	2.79	4.01	3.70	5.00	5.00	5.50	—
MD 3.4	Expansion & Improvement of Dental Wing, Patiala ..	20.00	2.31	2.68	2.29	2.50	2.50	3.00	—
MÆ 3.5	Extra coaching to SC MBBS students in Medical Colleges	2.00	—	—	—	—	—	—	—
MD 3.6	Taking over of Guru Gobind Singh Medical College, Faridkot ..	900.00	173.60	119.69	120.57	154.00	154.00	200.00	100.00
	<b>Total ..</b>	<b>1103.00</b>	<b>190.59</b>	<b>152.02</b>	<b>142.91</b>	<b>201.50</b>	<b>201.50</b>	<b>263.25</b>	<b>100.00</b>
<b>4. Research—</b>									
MD 4.1	Grant for Applied Research	10.00	2.00	—	—	2.00	2.00	2.00	—
	<b>Total ..</b>	<b>10.00</b>	<b>2.00</b>	<b>—</b>	<b>—</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>—</b>

## DRAFT ANNUAL PLAN 1984-85

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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expd.	Actual Expd.	Actual Expd.	Approved outlay	Antici- pated Expd.	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
5. Training—									
MD 5.1	Augmentation of Training facilities for Para Medical staff ..	25.00	0.08	0.45	0.89	4.00	4.00	5.00	—
	Total ..	25.00	0.08	0.45	0.89	4.00	4.00	5.00	—
6. Operation Cost of Centrally Sponsored Scheme									
MD 6.1	Reorientation of Medical Education ..	60.00	4.11	14.86	12.09	16.50	16.50	17.25	10.00
MD 6.2	Visual Impairment & Prevention of Blindness ..	20.00	1.15	Scheme Converted to 100% Centrally sponsored Scheme					
	Total ..	80.00	5.26	14.86	12.09	16.50	16.50	17.25	10.00
	Total Medical Education & Research ..	1700.00	286.51	263.84	232.42	398.00	398.00	462.90	112.00
II. PUBLIC HEALTH									
1. Minimum Needs Programme—									
PH 1.1	Completion & Improvement of Primary Health Centre	48.00	25.94	9.35	9.22	10.50	10.50	32.50	31.00
PH 1.2	Completion & Improvement of Sub-Centres ..	273.00	—	20.91	8.86	11.25	11.25	12.00	1.80
PH 1.3(a)	(a) Opening of Subsidiary Health Centres in Rural Areas	995.00	217.71	242.87	295.35	390.35	390.35	490.00	40.00
	(b) Construction of staff quarters at Subsidiary Health Centres through Punjab Housing Dev. Board	—	—	—	—	27.00	27.00	—	—
	(c) Completion of on-going works of 21 Subsidiary Health Centres ..	—	—	—	—	20.00	20.00	—	—
PH 1.4	Improvement of Subsidiary Health Centres ..	1.00	—	—	—	—	—	—	—
PH 1.5	Establishment of Community Health Centres ..	—	—	—	—	10.00	10.00	10.00	—
PH 1.6	Providing of additional Laboratory Technical staff in 100 (SHC) ..	—	—	—	—	—	—	2.50	—
	Total ..	1317.00	243.65	273.13	313.43	469.10	469.10	547.00	72.80
2. Other Rural Health Centres—									
PH 2.1	Establishment of 25 bedded block level Rural Hospital	278.30	35.74	31.71	46.96	55.00	55.00	60.00	—
PH 2.2	Establishment of Dental Clinics ..	50.00	4.25	6.48	7.75	15.00	15.00	15.00	—
PH 2.3	Providing Specialist Teams in Rural Areas ..	22.00	—	—	—	—	—	—	—
	Total ..	350.30	39.99	38.19	54.71	70.00	70.00	75.00	—

## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expd.	Actual Expd.	Actual Expd.	Approved outlay	Antici- pated Expd.	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>3. Hospitals/Dispensaries—</b>									
PH 3.1	Opening of new Dispensaries in Slum Areas/Suitable Urban Places ..	50.00	4.67	9.04	13.23	13.50	13.50	16.00	—
PH 3.2	Improvement of Punjab Mental Hospital, Amritsar ..	4.00	0.01	—	—	—	—	—	—
PH 3.3	Provincialisation of Local Bodies Hosps/Dispensaries	40.00	4.68	8.12	10.99	12.50	12.50	15.25	—
PH 3.4	Upgradation of existing Hospitals ..	233.00	39.73	40.44	64.85	86.50	86.50	104.80	77.80
PH 3.5	Establishment of Intensive Care Units in District level Hospitals ..	7.00	0.71	6.32	1.62	1.60	1.60	2.70	—
	Total ..	334.00	49.80	63.92	90.69	114.10	114.10	138.75	77.80
<b>4. Control/Eradication of Communicable Diseases (50:50 sharing basis) State Share—</b>									
PH 4.1	National Malaria Eradication Programme (Anti-Larvel)	605.30	111.48	85.15	149.74	130.00	130.00	200.00	—
PH 4.2	National Malaria Eradication Programme ..	77.20	14.16	15.30	15.89	18.00	18.00	35.00	—
PH 4.3	National T.B. Control Prog- ramme ..	58.00	3.60	3.05	4.83	7.00	7.00	7.00	—
PH 4.4	National Leprosy Control Programme ..	4.00	0.17	—	—	—	—	—	—
PH 4.5	National Programme for control of Visual impair- ment & Blindness ..	22.50	—	—	—	—	—	—	—
PH 4.6	Training & Employment of Multipurpose Workers Scheme ..	60.00	13.43	2.31	4.64	8.50	8.50	8.50	—
PH 4.7	Provision of additional Labor- atory technicians at each PHC ..	—	—	—	—	2.00	2.00	3.00	—
	Total ..	827.00	142.84	105.81	175.10	165.50	165.50	253.50	—
<b>5. Other Programme—</b>									
PH 5.1	Administrative Re-organisa- tion of the Punjab Health Department ..	9.00	—	—	—	—	—	—	—
PH 5.2	Strengthening of State Health & District Laboratories	4.00	0.33	0.36	0.31	0.80	0.80	3.00	—
PH 5.3	Strengthening of Drug Food Standard Control Organisation	14.50	0.19	0.66	1.07	2.50	2.50	3.50	—

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expd.	Actual Expd.	Actual Expd.	Approved outlay	Antici- pated Expd	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
PH 5.4	Strengthening of Health Statistics Organisation ..	10.50	1.71	2.10	2.96	2.75	2.75	3.60	—
PH 5.5	Multipurpose Workers Scheme ..	20.00	19.78	—	—	—	—	—	—
PH 5.6.	Estt. of Central Medical Store, Punjab ..	2.70	0.73	1.27	—	—	—	—	—
PH 5.7	Estt. of Health Equipment & Maintenance Repair Unit	10.00	—	2.03	1.16	2.50	2.50	3.00	—
PH 5.8	Expansion of Immunisation Programme ..	7.00	—	—	—	1.50	1.50	3.00	—
PH 5.9	Comprehensive Health Care Services Project ..	20.00	—	—	—	—	—	—	—
PH 5.10	Hospital Treatment of Diarrhoea disease by oral Rehydration Therapy ..	7.00	—	1.05	—	1.75	1.75	2.00	—
PH 5.11	Grant of additional Incentives compensation out of State funds to acceptors of sterilisation ..	—	—	31.84	61.64	51.00	51.00	65.00	—
PH 5.12	Pay of Dais ..	—	—	—	7.50	11.00	11.00	12.00	—
PH 5.13	(a) Providing independent feeders to provide continuous light in hospitals ..	—	—	—	—	3.00	3.00	4.00	—
	(b) Providing of generator sets at District & other important hospitals ..	—	—	—	—	—	—	1.00	—
PH 5.14	Setting up of Glucose Saline Manufacturing Unit Ludhiana ..	—	—	2.88	0.08	2.00	2.00	3.00	—
	<b>Total</b> ..	<b>104.70</b>	<b>22.74</b>	<b>42.19</b>	<b>74.72</b>	<b>78.80</b>	<b>78.80</b>	<b>103.10</b>	<b>—</b>
<b>6. Employees State Insurance Corporation</b>									
PH 6.1	E.S.I. Scheme ..	62.00	6.40	9.09	9.80	13.50	13.50	18.75	—
	<b>Total</b> ..	<b>62.00</b>	<b>6.40</b>	<b>9.09</b>	<b>9.80</b>	<b>13.50</b>	<b>13.50</b>	<b>18.75</b>	<b>—</b>
	<b>Total Public Health</b>	<b>2995.00</b>	<b>505.42</b>	<b>530.72</b>	<b>918.45</b>	<b>911.00</b>	<b>911.00</b>	<b>1136.10</b>	<b>150.60</b>
<b>III I.S.M.</b>									
AY 1.1	Strengthening of existing I.S.M. Disps ..	32.89	4.50	5.30	0.45	1.35	1.35	2.00	—
AY 1.2	Opening of I.S.M. Dispensaries ..	107.40	12.09	19.81	26.60	21.00	21.00	25.00	—
AY 1.3	Improvement & Expansion of Government Ayurvedic College, Patiala ..	4.07	0.71	0.73	0.69	2.55	2.55	1.19	—

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expd.	Actual Expd.	Actual Expd.	Approved outlay	Antici- pated Expd.	Proposed outlay	Of which capital content
1	2	3	4	5	6	7	8	9
AY 1.4 Improvement & Exp. of Government Ayurvedic Hospital, Patiala ..	1.20	0.20	—	—	—	—	1.00	—
AY 1.5 Improvement & Expansion of Government Ayurvedic Pharmacy, Patiala ..	3.14	0.34	0.37	0.36	1.85	1.85	2.85	1.50
AY 1.6 Strengthening of Ayurvedic Headquarters staff ..	3.70	1.19	0.59	0.60	0.75	0.75	1.00	—
AY 1.7 Strengthening of District Headquarters staff ..	12.60	2.39	1.70	1.55	1.70	1.70	2.00	—
AY 1.8 Setting of Ayurvedic Hospital at Bhatinda ..	—	—	—	—	0.80	0.80	2.25	—
<b>Total I.S.M.</b> ..	<b>165.00</b>	<b>21.42</b>	<b>28.50</b>	<b>30.25</b>	<b>30.00</b>	<b>30.00</b>	<b>37.29</b>	<b>1.50</b>
<b>IV. HOMOEOPATHY</b>								
HM 1.1 Strengthening of State Headquarters staff ..	7.55	0.74	1.76	1.18	2.00	2.00	2.38	—
HM 1.2 Opening of Homoeopathy Dispensaries ..	32.45	2.06	5.54	6.17	9.00	9.00	16.50	—
<b>Total</b> ..	<b>40.00</b>	<b>2.80</b>	<b>7.30</b>	<b>7.35</b>	<b>11.00</b>	<b>11.00</b>	<b>18.88</b>	<b>—</b>
<b>Grand Total</b> ..	<b>4900.00</b>	<b>816.15</b>	<b>830.36</b>	<b>988.47</b>	<b>1350.00</b>	<b>1350.00</b>	<b>1655.17</b>	<b>264.10</b>

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II—SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : WATER SUPPLY AND SEWERAGE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85		
					Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>Water Supply and Sewerage</b>									
<b>A—Rural Water Supply and Sanitation</b>									
RWS 1	Rural Water Supply ..	6800.00	337.14	427.58	377.83	800.00	800.00	10,00.00	10,00.00
RWS 2	Low cost Sanitation ..	—	—	—	—	—	—	1.00	1.00
	Total ..	6800.00	337.14	427.58	377.83	800.00	800.00	10,01.00	10,01.00
<b>B.—Urban Water Supply and Sewerage</b>									
WS 1	Financial assistance to Municipal Committees (Water Supply and Sewerage) Schemes—								
	(a) I.D.A. Project ..	3494.00	1160.00	1300.00	909.00	—	—		
	(b) L.I.C. Aided Project	1340.00**	310.00	210.00	150.00	150.00	150.00	340.70	340.70
	(c) Other Water Supply Schemes ..	800.00	60.00	45.00	—	125.00	125.00	250.00	250.00
	(d) Other Sewerage Schemes ..	799.00	20.00	30.00	—	125.00	125.00	125.00	125.00
	Total ..	6433.00	1550.00	1585.00	1059.00	400.00	400.00	715.70	715.70
<b>Other Schemes</b>									
WS 2	Sewage, Sullage Utilisation Schemes ..	100.00	30.00	25.00	5.00	30.00	30.00	7.70	7.70
WS 3	Setting up of compost Plants at Amritsar, Jullundur and Ludhiana ..	42.66	—	—	—	—	—	—	—
WS 4	Urban Solid Waste Disposal ..	13.34	—	—	—	—	—	—	—
WS 5	Water Supply and Sewerage Board ..	405.00	100.00	50.00	50.00	100.00	100.00	100.00	100.00
WS 6	Setting up of Sewage Treatment Plants ..	—	—	—	—	10.00	10.00	10.00	10.00
WS 7	UNDP Project-Low cost Sanitation ..	—	—	—	—	11.00	11.00	13.30	13.30
	Total ..	561.00	130.00	75.00	55.00	151.00	151.00	131.00	131.00
	Total (B) ..	6994.00	1730.00*	1660.00	1114.00	551.00	551.00	846.70	846.70
	Total (A+B) ..	13794.00	2067.14*	2087.58	1491.83	1351.00	1351.00	1847.70	1847.70

\*Includes Rs. 50.00 lakhs as loan to M.C's.

\*\*Includes Rs. 1000.00 lakhs as L.I.C. Loan.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : HOUSING

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85		
		Actual Expen- diture	Actual Expen- diture	Actual Expen- diture	Approved Outlay	Antici- pated Ex- penditure	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>HOUSING—</b>									
<b>1. Government Residential Buildings</b>									
HG 1.1	At District/Tehsil Head- quarters and at other places ..	900.00	168.84	135.40	152.70	165.00	165.00	200.65	200.65
HG 1.2	At focal points ..	200.00	45.00	28.32	34.25	32.40	32.40	30.65	30.65
HG 1.3	For Government Employees at Chandigarh ..	300.00	80.00	30.00	65.00	65.00	63.60	116.03	116.03
	Total ..	1400.00	293.843	193.72	251.92	261.00	261.00	347.33	347.33
<b>2. Other Housing Schemes</b>									
HG 2.1	Subsidized Industrial Housing ..	50.00	2.00	5.81	0.55	11.00	11.00	15.00	15.00
HG 2.2	Houses for Rural Home- less ..	1200.00	170.00	285.00	285.00	311.00	311.00	156.37	156.37
HG 2.3	Loans for Low Income Group Houses ..	300.00	65.00	65.00	1.35	10.00	10.00	80.00	80.00
HG 2.4	Loans to Government Servants ..	900.00	150.00	253.88	199.16	200.00	200.00	300.00	300.00
HG 2.5	Loans for building houses in Urban Estates ..	150.00	30.00	30.00	2.36	62.00	62.00	20.00	20.00
HG 2.6	Middle Income Group Housing ..	60.00	35.000	35.00	1.35	10.00	10.00	30.00	30.00
HG 2.7	Village Housing Project Scheme ..	170.00	62.00	70.00	—	10.00	10.00	50.00	50.00
	Total ..	2830.00	514.00	744.68	489.77	614.00	614.00	651.37	651.37
<b>3. Other Programme</b>									
HG 3.1	Contribution to Housing Board ..	520.00	70.00	20.00	—	80.00	80.00	100.00	100.00
<b>4. Police Housing</b>									
HG 4.1	Houses for Police ..	985.00	150.00	174.95	117.23	185.00	185.00	220.00	220.00
	Grand Total ..	5735.00	1027.84	1133.36	858.95	1140.00	1140.00	1318.70	1318.70

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85	
					Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
<b>URBAN DEVELOPMENT</b>								
UD 1. Urban Estates ..	1450.00							
(a) Payment of enhanced compensation of land		—	—	178.00	—	—	150.00	150.00
(b) Payment of super-structure on the acquired land ..		—	—	—	—	—	70.00	70.00
(c) Augmentation of water supply at SAS Nagar with canal water from Morinda		—	—	—	—	—	60.00	50.00
(d) Development of Semi-developed land		477.97	201.43	} 221.76	*329.00	*329.00	399.99	399.99
(e) Acquisition of new land		—	—		—	—	—	100.00
(f) Token provision for setting up a new Town at Ranjitgarh		—	—	—	—	—	0.01	0.01
Total	1450.00	477.97	201.43	399.76	329.00	329.00	770.00	770.00
UD 2. Financial assistance to Improvement Trusts—								
(a) General Activities ..	50.00	10.00	10.00	—	9.94	9.94	15.00	15.00
** (b) Free house-sites to Urban homeless scheduled castes ..		10.00	—	—	—	—	—	—
** (c) Free house-sites to Urban homeless ..		25.00	—	—	—	—	—	—
UD 3. Town & Regional Planning Rural and Urban Sector Area Planning ..	60.00	—	4.25	7.00	8.06	8.06	9.90	—
UD 4. Integrated Urban Development Programme—Bigger Towns ..	200.00	35.00	35.00	—	6.00	6.00	10.00	10.00
UD 5. Integrated development of Small & medium towns ..	400.00	65.00	65.00	65.00	65.00	65.00	72.00	72.00
UD 6. Environmental Improvement of slums ..	500.00	19.00	80.00	80.00	80.00	80.00	141.00	141.00
<b>Grand Total</b> ..	<b>2660.00</b>	<b>641.97</b>	<b>395.68</b>	<b>551.76</b>	<b>498.00</b>	<b>498.00</b>	<b>1017.90</b>	<b>1008.00</b>

\*Includes Rs. 100.00 lakhs for acquisition of land for setting up a new township at Ranjitgarh.

\*\*Merged in UDI 'Urban Estates'.



**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD: INFORMATION & PUBLICITY**

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five- Year Plan 1980-85 Approved outlay	1980-81 Actual Expendi- ture	1981-82 Actual Expendi- ture	1982-83 Actual Expendi- ture	1983-84		1984-85		
					Approved Outlay	Antici- pated Expendi- ture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>Information &amp; Publicity</b>									
<b>1. Direction &amp; Adminis- tration—</b>									
IP 1.1	Strengthening of the De- partment of Public Rela- tions ..	12.00	0.16	0.70	0.69	—	—	—	—
IP 1.2	Purchase of books for Library at Headquarters..	2.00	0.38	0.50	0.26	0.20	0.20	0.20	—
IP 1.3	Feed Back studies ..	0.80	0.07	0.12	—	0.20	0.20	0.30	—
	<b>Total ..</b>	<b>14.80</b>	<b>0.61</b>	<b>1.32</b>	<b>0.95</b>	<b>0.40</b>	<b>0.40</b>	<b>0.50</b>	<b>—</b>
<b>2. Films—</b>									
IP 2.1	Purchase and Production of Films ..	14.00	5.04	5.55	2.92	3.50	3.50	7.00	—
	<b>Total ..</b>	<b>14.00</b>	<b>5.04</b>	<b>5.55</b>	<b>2.92</b>	<b>3.50</b>	<b>3.50</b>	<b>7.00</b>	<b>—</b>
<b>3. Field Publicity—</b>									
IP 3.1	Field Publicity ..	50.20	4.60	8.44	9.15	17.00	17.00	19.00	—
IP 3.2	Television Scheme ..	10.00	0.55	1.15	0.55	1.15	1.15	1.25	—
IP 3.3	Purchase and production of literature ..	10.00	0.85	2.04	0.81	3.25	3.25	3.75	—
	<b>Total ..</b>	<b>70.20</b>	<b>6.00</b>	<b>11.63</b>	<b>10.51</b>	<b>21.40</b>	<b>21.40</b>	<b>24.00</b>	<b>—</b>
<b>4. Songs and Drama Services—</b>									
IP 4.1	Song and Drama ..	20.00	0.90	1.73	3.50	4.35	4.35	5.00	—
IP 4.2	Light and Sound ..	14.00	7.20	1.61	3.18	3.25	3.25	6.00	—
	<b>Total ..</b>	<b>34.00</b>	<b>8.18</b>	<b>3.34</b>	<b>6.68</b>	<b>7.60</b>	<b>7.60</b>	<b>11.00</b>	<b>—</b>
<b>5. Advertising and Visual Publicity—</b>									
IP 5.1	Community Listening ..	0.50	0.09	0.10	0.09	0.10	0.10	0.20	—
IP 5.2	Exhibitions ..	14.00	3.27	18.00	2.47	3.00	3.00	6.25	—
IP 5.3	Display Advertisements ..	15.00	3.00	4.07	4.00	5.00	5.00	6.05	—
IP 5.4	Wall Paintings ..	2.50	0.11	0.50	—	0.50	0.50	0.50	—
	<b>Total ..</b>	<b>32.00</b>	<b>6.47</b>	<b>22.67</b>	<b>6.56</b>	<b>8.60</b>	<b>8.60</b>	<b>13.00</b>	<b>—</b>
<b>6. Information Centres—</b>									
IP 6.1	Teleprinter lines ..	10.00	0.57	0.74	1.13	3.50	3.50	4.50	—
	<b>Total ..</b>	<b>10.00</b>	<b>0.57</b>	<b>0.74</b>	<b>1.13</b>	<b>3.50</b>	<b>3.50</b>	<b>4.50</b>	<b>—</b>
<b>7. Film Corporation—</b>									
IP 7.1	Share capital contribution to Punjab Films and News Corporation ..	5.00	1.00	1.00	5.00	5.00	5.00	5.00	5.00
	<b>Total ..</b>	<b>5.00</b>	<b>1.00</b>	<b>1.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>
	<b>Grand Total ..</b>	<b>180.00</b>	<b>27.87</b>	<b>46.25</b>	<b>33.75</b>	<b>50.00</b>	<b>50.00</b>	<b>65.00</b>	<b>5.00</b>

## DRAFT ANNUAL PLAN 1984-85

## 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	1980-81 Actual Expendi- ture	1981-82 Actual Expendi- ture	1982-83 Actual Expendi- ture	1983-84		1984-85		
					Approved outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>I. Labour and Labour Welfare—</b>									
LW 1.1	Setting up of enforcement machinery for the welfare of agricultural labour ..	3.43	—	0.50	2.82	3.00	3.00	3.50	—
	Total ..	3.43	—	0.50	2.82	3.00	3.00	3.50	—
<b>2. Working Conditions and Safety—</b>									
LW 2.1	Strengthening of enforcement machinery for Minimum Wages Act, 1948 ..	8.27	—	1.17	1.63	2.50	2.50	3.00	—
	Total ..	8.27	—	1.17	1.63	2.50	2.50	3.00	—
<b>3. General Labour Welfare—</b>									
LW 3.1	Setting up of industrial hygiene laboratory ..	2.80	0.60	0.40	0.12	0.50	0.50	0.50	—
	Total ..	2.80	0.60	0.40	0.12	0.50	0.50	0.50	—
	Total Labour Welfare ..	14.50	0.60	2.07	4.57	6.00	6.00	7.00	—
<b>II. Employment Service—</b>									
EE 1.1	Expansion of Employment Services ..	6.00	1.30	1.76	2.32	3.00	3.00	4.00	—
	Total Employment Services	6.00	1.30	1.76	2.32	3.00	3.00	4.00	—
<b>III. Industrial Training</b>									
<b>1. Craftsman Training—</b>									
IT(C) 1.1	Conversion of un-popular trades into popular ones and introduction of new trades in the I. T. I. and addition to and replacement of tools and equipments ..	40.00	6.01	7.83	6.70	8.50	8.50	13.00	—
IT(C) 1.2	Training seminars study tour of staff ..	5.00	0.99	0.98	0.99	1.00	1.00	1.00	—
IT(C) 1.3	Completion of I.T.I. buildings and construction of I.T.I. buildings at Nabha ..	30.00	6.61	2.78	6.03	6.00	6.00	11.00	11.00
IT(C) 1.4	Training-cum-placement cell ..	4.00	0.47	0.40	0.25	0.80	0.80	0.80	—
IT(C) 1.5	Apprenticeship training wing ..	3.00	0.04	0.36	0.63	0.70	0.70	0.70	—
IT(C) 1.6	Mobile training centres in rural areas ..	0.50	—	—	—	—	—	—	—

**DRAFT ANNUAL PLAN 1984-85**  
**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	1980-81 Actual Expendi- ture	1981-82 Actual Expendi- ture	1982-83 Actual Expendi- ture	1983-84		1984-85		
					Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
IT(C) 1.7 Related Instructional Centre at S.A.S. Nagar (Mohali)	5.00	0.23	0.45	0.43	0.60	0.60	0.60	—	
IT(C) 1.10 Modernisation of Industrial Training Institutes under UNDP/I.L.O programmes	43.50	2.38	5.36	4.50	9.00	9.00	9.00	2.00	
IT(C) 1.11 Conversion of RATCs./JISs/GISs into I.T.Is	40.00	5.45	2.70	4.95	8.70	8.70	11.00	3.00	
IT(C) 1.10 Setting up of Rural Training Cells under Industrial Training Institutes	—	—	—	—	4.00	4.00	—	—	
IT(C) 1.11 Establishment of Advanced Training Institute in Farm Machinery and Power in the State	—	—	—	—	5.70	5.70	3.00	3.00	
IT(C) 1.12 Introduction of Social Studies and population education as Compulsory the subject in Govt. Institutes affiliated with No. V.T.	—	—	—	—	—	—	6.00	—	
<b>Total ..</b>	<b>171.00</b>	<b>22.18</b>	<b>20.94</b>	<b>24.48</b>	<b>45.00</b>	<b>45.00</b>	<b>56.10</b>	<b>19.00</b>	
<b>2. Industrial Schools for Girls—</b>									
IT(S) 2.1 Completion of building of Govt. Industrial Teachers Training Institute, Jalandhar	5.00	0.71	0.34	0.47	0.50	0.50	1.00	1.00	
IT(S) 2.2 Construction of new buildings for schools	15.00	3.75	5.35	11.57	7.50	7.50	11.00	11.00	
IT(S) 2.3 Opening of new industrial schools and introduction of additional seats in existing schools	10.00	2.82	3.66	4.14	2.00	2.00	2.00	—	
IT(S) 2.4 Teachers training classes	5.00	1.47	1.47	1.76	1.00	1.00	1.00	—	
IT(S) 2.5 Training-cum-production centre	5.00	1.21	1.17	1.22	1.00	1.00	0.50	—	
IT(S) 2.6 Study tours, training and re-training educational study tours and seminars and conferences	3.50	0.46	0.40	0.45	0.50	0.50	0.50	—	
IT(S) 2.7 Modernisation and replacement of machinery in schools	9.00	1.36	1.60	1.40	2.50	2.50	2.00	—	
<b>Total ..</b>	<b>52.50</b>	<b>11.78</b>	<b>13.99</b>	<b>21.01</b>	<b>15.00</b>	<b>15.00</b>	<b>18.00</b>	<b>12.00</b>	
<b>3. Professional Training—</b>									
IP(P) 3.1 Construction of building for Arts and Crafts Teachers Training Institute at Amritsar	1.00	—	—	—	—	—	—	—	
<b>Schools—</b>									
IT 4.1 Modernisation and introduction of Training Courses at Govt. Works Centre, Rajpura	—	—	—	—	—	—	7.00	5.00	
<b>Total Industrial Training</b>	<b>224.50</b>	<b>33.96</b>	<b>34.93</b>	<b>45.49</b>	<b>60.00</b>	<b>60.00</b>	<b>81.10</b>	<b>36.00</b>	
<b>Grand Total ..</b>	<b>245.00</b>	<b>35.86</b>	<b>38.76</b>	<b>52.38</b>	<b>69.00</b>	<b>69.00</b>	<b>92.10</b>	<b>36.00</b>	

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**HEAD: WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES.**

(Rs in lakhs)

Name of the Scheme/Project	Sixth Five-year Plan 1980-85 Approved Outlay	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85		
					Approved Outlay	Anticipated Expenditure	Proposed Outlay	Of which capital Content	
1	2	3	4	5	6	7	8	9	
<b>1. Educational Programme—</b>									
SC 1-1	Pre-Matric coaching to students ..	103.75	9.89	3.92	—	—	—	5.00	—
SC 1-2	Grants for the purchase of stationery and books ..	238.28	22.00	40.00	45.00	60.00	60.00	80.00	—
SC 1-3	(a) Grants for the purchase of medical and engineering books. (State Share) ..	10.00	2.10	1.09	—	2.00	2.00	2.00	—
	(b) Grants for the purchase of law books. ..	2.90	—	0.75	0.55	0.60	0.60	0.60	—
SC 1-4	Training in Stenography ..	12.20	—	1.20	1.25	2.00	2.00	3.00	—
SC 1-5	Technical training in industrial trades. ..	94.53	8.70	7.44	7.76	15.00	15.00	20.00	7.00
SC 1-6	B. Ed. & J.B.T. training to scheduled castes Graduates & Matriculates ..	61.05	1.18	—	—	—	—	—	—
SC 1-7	Grants to scheduled caste girls students studying in post-matric and post-graduate classes. ..	72.00	7.24	9.76	5.45	13.00	13.00	15.00	—
SC 1-8	Pre-examination coaching centre (IAS and allied/ State/Banking Services) (State share) ..	9.10	1.50	1.50	1.50	1.50	1.50	4.00	—
SC 1-9	Girls Hostels (State share). ..	4.55	0.75	0.75	—	1.00	1.00	1.00	—
SC 1-10	Imparting of industrial training to scheduled caste women ..	72.15	—	0.23	5.20	3.00	3.00	5.00	—
SC 1-11	Grants to scheduled caste students studying in medical and engineering colleges. ...	—	—	—	—	14.40	14.40	20.00	—
SC 1-12	Package of educational assistance to children of sweepers, scavengers, flayers and tanners, and Vimukat Jaties ..	—	—	—	—	25.00	25.00	45.00	—
SC 1-13	Awards to brilliant Scheduled Caste students ..	—	—	—	—	—	—	1.00	—
	<b>Total :</b> ..	<b>680.51</b>	<b>53.36</b>	<b>66.64</b>	<b>66.71</b>	<b>137.50</b>	<b>137.50</b>	<b>201.60</b>	<b>7.00</b>
<b>2 Economic uplift.—</b>									
SC 2-1	Subsidy for the purchase of (a) agricultural land ..	61.00	5.00	5.45	2.65	10.00	10.00	10.00	—
	(b) houses/wells. ..	12.20	1.00	1.09	0.53	2.00	2.00	2.00	—
	(c) stamp duty. ..	2.50	0.18	0.20	0.09	0.40	0.40	0.40	—
SC 2-2	Punjab Backward classes Land Deve. and Finance Corp.-share capital. ..	80.00	120.00	20.00	1.00	20.00	20.00	20.00	20.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD: WELFARE OF SCHEDULED CASTES AND BACKWARD CLASSES.

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85	
					Approved Outlay	Anticipated Expd.	Proposed Outlay	Of which capital content
1	2	3	4	5	6	7	8	9
SC 2-3 Punjab Scheduled Castes Land Deve. and Finance Corporation—share capital (State share)	204.00	102.00	102.00	102.00	51.00	51.00	51.00	51.00
SC 2-4 Interest subsidy for—								
(a) Scheduled Castes ..	574.65	45.00	45.00	45.00	50.00	50.00	50.00	—
(b) Backward Classes. ..	190.60	15.00	15.00	15.00	20.00	20.00	40.00	—
SC 2-5 Issue of Yellow Cards. ..	—	—	18.03	—	1.00	1.00	—	—
Total ..	1124.95	288.18	206.77	166.27	154.40	154.40	173.40	71.00
3 Health, Housing and other programmes—								
SC 3-1 Legal Aid ..	1.50	0.04	0.04	0.05	0.10	0.10	0.10	—
SC 3-2 Construction of dharmshalas/chaupals ..	258.30	30.00	30.00	39.68	10.00	10.00	30.40	—
SC 3-3 Environmental improvement of harijan basties including drinking water units ..	658.39	70.00	95.00	111.05	149.00	149.00	160.00	—
SC 3-4 Grants to sweepers, scavengers, flayers and tanners for the construction of houses	170.90	28.00	28.00	29.12	40.00	40.00	40.00	—
SC 3-5 Assistance to Scheduled Castes for development of manurial pits ..	150.00	3.53	20.00	18.00	25.00	25.00	10.00	—
SC 3-6 Supply of nutritive food to children belonging to scheduled castes balwadies ..	70.00	—	—	—	—	—	—	—
Total ..	1309.09	131.57	173.04	197.90	224.10	224.10	240.50	—
4. Other Programmes								
SC 4-1 Grants to Vimukta Jaties for the construction of houses	85.45	14.00	14.00	13.76	24.00	24.00	24.00	—
SC 4-2 Research and Training-Research and Monitoring Cell (State share) ..	—	—	—	—	—	—	0.50	—
Total ..	85.45	14.00	14.00	13.76	24.00	24.00	24.50	—
Grand Total ..	3200.00	487.11	460.45	444.64	540.00	540.00	640.00	78.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT-II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD ; SOCIAL WELFARE**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81 Actual Expd.	1981-82 Actual Expd.	1982-83 Actual Expd.	1983-84		1984-85		
					Approved Outlay	Anticipated Expd.	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>1. Direction and Administration—</b>									
SW 1·1	Research, training and administration ..	3·70	0·14	0·53	0·65	0·72	0·72	0·96	—
Total :		3·70	0·14	0·53	0·65	0·72	0·72	0·96	—
<b>2. Family and Child Welfare—</b>									
SW 2·1	Assistance to dependent children ..	123·00	12·86	18·45	19·45	25·00	25·00	30·00	—
SW 2·2	Construction of certified school ..	31·20	3·80	2·60	4·02	5·00	5·00	5·00	5·00
SW 2·3	I.Y.C. ..	28·00	—	—	—	—	—	—	—
SW 2·4	Services for children in need of care and protection (State share) ..	8·00	0·20	0·32	0·22	3·00	3·00	1·00	—
Total		190·20	16·86	21·37	23·69	33·00	33·00	36·00	5·00
<b>3. Women Welfare—</b>									
SW 3·1	Assistance to widows & destitute women ..	195·00	20·60	33·29	35·40	44·13	44·13	100·00	—
SW 3·2	Home for widows and destitute women ..	4·00	0·15	0·18	0·21	0·70	0·70	0·39	—
Total		199·00	20·75	33·47	35·61	44·83	44·83	100·39	—
<b>4. Welfare of handicapped—</b>									
SW 4·1	Scholarships to the handicapped ..	1·10	0·03	0·06	0·06	0·20	0·20	0·20	—
SW 4·2	Supply of prosthetic aid to the handicapped ..	3·00	0·37	0·40	0·10	0·50	0·50	0·50	—
SW 4·3	Assistance to disabled persons ..	10·00	—	2·55	4·69	10·00	10·00	15·00	—
SW 4·4	I.Y.D.P.—Vocational and rehabilitation centres ..	5·00	—	—	—	8·00	8·00	6·00	—
SW 4·5	Setting up of Braille press for the blind ..	—	—	—	—	2·00	2·00	1·50	—
Total		19·10	0·45	3·01	4·85	20·70	20·70	23·20	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II—SCHEMES

## OUTLAY AND EXPENDITURE

## HEAD : SOCIAL WELFARE

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980—85 Approved Outlay	1980-81 Actual Expendi- ture	1981-82 Actual Expendi- ture	1982-83 Actual Expendi- ture	1983-84		1984-85		
					Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>5. Other Programmes :</b>									
SW 5.1 Grants-in-aid to Voluntary Welfare Organisations ..	6.00	1.00	1.00	0.26	4.00	4.00	2.00	—	
SW 5.2 Grant-in-aid to the P.G.I. for the blind ..	9.00	1.75	1.75	1.75	1.75	1.75	1.75	—	
Total ..	15.00	2.75	2.75	2.01	5.75	5.75	3.75	—	
<b>6. Punjab Women and Children Development and Welfare Corporation—</b>									
SW 6.1 Share capital to the Corporation ..	80.00	20.00	15.00	—	24.00	24.00	30.00	30.00	
SW 6.2 Interest subsidy to the Corporation ..	—	—	—	10.00	1.00	1.00	2.00	—	
Total ..	80.00	20.00	15.00	10.00	25.00	25.00	32.00	30.00	
<b>7. Defence Services Welfare—</b>									
SW 7.1 Share capital contribution to the Punjab Ex-servicemen Corporation ..	—	41.00	17.00	—	20.00	20.00	30.00	30.00	
SW 7.2 Interest subsidy to the Ex-servicemen ..	—	5.90	—	15.00	15.00	15.00	20.00	—	
Total ..	—	46.90	17.00	15.00	35.00	35.00	50.00	30.00	
Grand Total ..	507.00	107.85	93.13	91.81	165.00	165.00	246.30	65.00	

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT—II SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : NUTRITION**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85	
		Actual Expd.	Actual Expd.	Actual Expd.	Approved Outlay	Anticipat- ed Expd.	Proposed Outlay	Of which Capital Content,
1	2	3	4	5	6	7	8	9
Nutrition ..	80.00	10.56	15.64	8.74	76.00	76.00	100.00	—
Total ..	80.00	10.56	15.64	8.74	76.00	76.00	100.00	—



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT II : SCHEMES

## OUTLAY AND EXPENDITURE

## HAED : ECONOMIC SERVICES AND GENERAL SERVICES

(Rs. in lakhs)

Name of the Scheme/ Project	Sixth Five- Year Plan 1980-85 Approved Outlay	1980-81 Actual expendi- ture	1981-82 Actual expendi- ture	1982-83 Actual Expendi- ture	1983-84		1984-85		
					Approved Outlay	Antici- pated Expendi- ture	Proposed Outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
<b>Economic Services</b>									
<b>Statistics—</b>									
ST 1.1	Estimation of capital form- ation ..	15.40	2.19	2.51	2.65	3.85	3.85	4.00	—
ST 1.2	Strengthening of District Statistical Offices and Headquarters in the State ..	35.00	—	1.31	2.94	7.00	7.00	10.00	—
ST 1.3	Purchase of Computer Timings ..	1.00	—	—	—	2.22	2.22	14.00	—
ST 1.4	Surveys and Studies ..	10.20	—	—	—	1.87	1.87	1.00	—
ST 1.5	Strengthening of Evaluation Section ..	9.90	0.33	1.38	2.00	2.42	2.42	6.80	—
ST 1.6	Training of Statistical Per- sonnel ..	8.50	0.89	1.31	1.42	2.64	2.64	2.64	—
ST 1.7	Economic Analysis Unit ..	5.00	—	—	—	—	—	—	—
ST 1.8	Working class Family Income and Expenditure Survey in Punjab ..	—	—	—	—	—	—	0.56	—
	<b>Total ..</b>	<b>85.00</b>	<b>3.41</b>	<b>6.51</b>	<b>9.01</b>	<b>20.00</b>	<b>20.00</b>	<b>39.00</b>	<b>—</b>
<b>Planning Machinery—</b>									
PT 2.1	Strengthening of Planning Machinery in the State ..	50.00	2.04	4.26	3.99	10.00	10.00	10.00	—
	Economic Co-ordination & 20-Point Programme ..	—	—	—	—	5.00	5.00	5.00	—
	<b>Grand Total ..</b>	<b>135.00</b>	<b>5.45</b>	<b>10.77</b>	<b>13.00</b>	<b>35.00</b>	<b>35.00</b>	<b>54.00</b>	<b>—</b>
<b>Regulation of Weights and Measures</b>									
	Implementation of Weights and Measures ..	15.00	0.96	1.81	0.89	3.00	3.00	4.00	—
	<b>Total—Other General Economic Services ..</b>	<b>15.00</b>	<b>0.96</b>	<b>1.81</b>	<b>0.89</b>	<b>3.00</b>	<b>3.00</b>	<b>4.00</b>	<b>—</b>
<b>GENERAL SERVICES</b>									
<b>Stationery and Printing—</b>									
PT 1.1	Opening of Typewriters Workshop at Faridkot, Ropar and Kapurthala ..	11.00	1.09	1.85	2.70	3.12	3.12	3.54	—
PT 1.2	Strengthening of Central Typewriters Workshop ..	3.00	0.35	0.52	1.22	1.21	1.21	1.58	—
PT 1.3	(a) Extension in Press Building at Patiala ..	4.00	1.28	0.90	0.37	0.50	0.50	0.05	0.05

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT II : SCHEMES**  
**OUTLAY AND EXPENDITURE**  
**HEAD : ECONOMIC SERVICES AND GENERAL SERVICES**

(Rs. in lakhs)

Name of the Scheme/Project	Sixth Five- Year Plan 1980-85 Approved outlay	1980-81 Actual Expe- nditure	1981-82 Actual Expeu- diture	1982-83 Actual Expen- diture	1983-84		1984-85		
					Approved Outlay	Antici- pated Expen- diture	Proposed outlay	Of which capital content	
1	2	3	4	5	6	7	8	9	
PT 1.4 (b) Construction of quarters for officers and staff at Patiala ..	1.00	0.38	0.50	0.02	0.50	0.50	0.10	0.10	
PT 1.4 (a) Construction of Govt. Press at S.A.S. Nagar ..	4.00	2.11	2.00	0.76	3.53	3.53	1.00	1.00	
(b) Machinery and equipment for Govt. Press at SAS Nagar ..	21.00	1.93	—	0.36	27.00	27.00	10.00	—	
PT 1.5 (c) Construction of quarters for Caretakers and Chowkidar at S.A.S. Nagar	1.40	—	—	—	0.30	0.30	1.50	1.50	
PT 1.5 Staff and material required for Govt. Press S.A.S. Nagar ..	8.00	0.02	0.27	1.26	1.72	1.72	32.11	—	
PT 1.5 (a) Additional Machinery and equipment for SAS Nagar, Govt. Press Mohali ..	5.00	—	—	0.67	2.00	2.00	0.50	0.50	
PT 1.5 (b) Machinery and Equipment for Ticket Printing Press, Patiala ..	1.00	—	—	—	—	—	—	—	
PT 1.6 (c) Apprenticeship for Typewriter Scheme Mechanics ..	0.60	0.01	0.08	0.07	0.12	0.12	0.12	—	
<b>Total</b> ..	<b>60.00</b>	<b>7.17</b>	<b>6.12</b>	<b>7.13</b>	<b>40.00</b>	<b>40.00</b>	<b>50.50</b>	<b>3.15</b>	
<b>PUBLIC WORKS</b>									
PW 3.1 Divisional Offices and Tehsil Buildings ..	510.00	72.48	75.26	87.39	100.00	100.00	163.17	163.17	
PW 3.2 Courts ..	57.00	11.51	6.33	9.15	12.00	12.00	35.00	35.00	
PW 3.3 Patwar Khanas ..	70.00	—	—	4.88	10.00	10.00	6.83	6.83	
PW 3.4 Police Stations ..	150.00	33.50	28.35	47.08	20.00	20.00	50.00	50.00	
PW 3.5 Jails ..	360.00	53.33	50.56	52.70	65.00	65.00	65.00	65.00	
PW 3.6 Circuit Houses/Rest Houses									
(i) State Guest House/other Rest Houses ..	100.00	15.38	14.95	14.00	23.00	23.00	20.00	20.00	
(ii) Extension in Pb. Bhanwan at New Delhi ..	—	—	—	—	31.00	31.00	30.00	30.00	
PW 3.7 Mini Secretariat Building at Chandigarh ..	—	—	—	30.59	40.00	40.00	40.00	40.00	
<b>Total</b> ..	<b>1247.00</b>	<b>186.20</b>	<b>175.45</b>	<b>245.79</b>	<b>301.00</b>	<b>301.00</b>	<b>410.00</b>	<b>410.00</b>	
<b>GENERAL SERVICES</b>									
Punjab State Civil Supplies Corporation—									
PS 2.1 Share Capital Contribution to PUNSUP Administrative Training Institute ..	50.00	10.00	10.00	—	—	—	5.00	5.00	
AI 4.2 Establishment of Administrative Training Institute	50.00	9.32	9.00	13.66	9.00	9.00	17.00	17.00	

## DRAFT ANNUAL PLAN, 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

(Rs. in lakhs)

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
				1979-80 Base Year Level	1984-85 Terminal Year Target	Achievement	Achievement	Achievement	Target	Anticipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
1	Agriculture and Allied Services										
	(1) Production of foodgrains—										
	(a) Rice	.. 011	000' tonnes	3052	3900	3228	3743	4147	3900	4200	4300
	(b) Wheat	.. 012	..	7868	8600	7674	8543	9183	8400	8800	9200
	(c) Jowar	.. 013	..	1	2	1	1	1	2	2	1
	(d) Bajra	.. 014	..	47	80	84	61	50	60	48	50
	(e) Maize	.. 015	..	677	800	613	602	542	650	580	600
	(f) Other cereals	.. 016	..	73	43	107	176	126	80	70	110
	(g) Pulses	.. 017	..	188	375	201	180	121	230	200	239
	Total Foodgrains	.. 018		11906	13800	11908	13306	14170	13322	13900	14500
2	Commercial Crops—										
	(a) Cotton	.. 021	000' Bales	1207	1450	1176	1275	1218	1350	700	1200
	(b) Jute and Mesta	.. 022	Do	—	—	—	—	—	—	—	—
	(c) Sugarcane (cane)	.. 023	000' tonnes	3930	8000	3930	5820	6340	7000	5400	6000
	(d) Oil seeds—								*		
	(1) Major Oilseeds	..	..	157	200	176	170	133	175	135	150
	(i) Groundnut	.. 024	..	81	105	103	90	63	90	50	60
	(ii) Castor Seed	.. 025	..	—	—	—	—	—	—	—	—
	(iii) Sesamum	.. 026	..	4	4	5	6	5	4	4	4
	(iv) Rapeseed & Mustard	.. 027	..	71	90	67	73	64	80	80	85
	(v) Linseed	.. 028	..	1	1	1	1	1	1	1	1
	(2) Others	.. 029	..	—	—	—	—	—	—	—	—
3.	Major Horticulture Crops..										
	(1) Apple	.. 031	000' tonnes	—	—	—	—	—	—	—	—
	(2) Banana	.. 032	..	—	—	—	—	—	—	—	—
	(3) Orange (Citrus)	.. 033	..	3.02	6.00	3.51	3.23	3.36	6.36	6.36	6.00
	(4) Mango	.. 034	..	2.96	3.75	3.77	4.00	3.23	3.75	3.75	3.75
	(5) Grapes	.. 035	..	0.68	0.55	0.66	0.72	0.78	0.55	0.55	0.55
	(6) Others (Specify) (Litchi, Ber, chiku Anar etc.)	.. 036	..	5.63	6.25	7.68	6.34	6.47	6.25	6.25	6.25
4.	Chemical Fertilizers (Lichi, Ber, Chiku, Anar etc.)										
	(a) Nitrogenous (N)	.. 041	000' tonnes	477	750	526	562	626	665	710	790
	(b) Phosphatic (P)	.. 042	..	179	300	207	217	230	265	260	275
	(c) Potassic (K)	.. 043	..	30	50	29	34	36	30	43	35
	Total (NPK)	.. 044		686	1100	762	813	892	960	1013	1100

\*Revised.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85					1983-84		1984-85 Proposed Target
				1979-80 Base Year Level	1984-85 Terminal Year Target	Achievement	Achievement	Achievement	Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9	10	11	12
5. Plant Protection											
	(a) Technical grade Material	051	000' tonnes	3.00	5.5	3.5	4.3	4.2	5.00	4.5	5.5
	(b) Area Coverage	052	Hectares	3500	6500	3800	5800	7830	8000	7500	8000
6. Area under distribution of—											
	(a) Fertilizers	061	000' tonnes	} The whole Area is covered under Fertilizers and Pesticides.							
	(b) Pesticides	062	Do								
7. High Yielding Varieties—											
	(a) Rice (1) Total Area cropped	070	000' Hectares	1172	—	1182	1266	1319	1280	1380	1390
	(2) Area under HYV	071	„	1076	—	1095	1204	1252	1200	1330	1340
	(b) Wheat (1) Total Area cropped	072	„	2813	—	2811	2913	3054	2900	3050	3075
	(2) Area under HYV	073	„	2775	—	2757	2885	3036	2900	3035	3060
	(c) Jowar (1) Total Area cropped	074	„	—	—	—	—	—	—	—	—
	(2) Area under HYV	075	„	—	—	—	—	—	—	—	—
	(d) Bajra (1) Total Area cropped	076	„	46	—	69	60	42	50	40	40
	(2) Area under HYV	077	„	21	—	34	37	32	50	30	30
	(e) Maize (1) Total Area cropped	078	„	393	—	382	328	305	350	300	300
	(2) Area under HYV	079	„	71	—	127	122	116	150	115	115
8. Soil Conservation—											
	Area covered	081	„	19.43	25.00	12.65	17.98	14.58	14.00	14.00	14.00
9. Irrigation and Flood Control—											
Minor Irrigation—											
(i) Ground Water											
	(a) Potential created	091	000' Hec.	52.00	62.00	0.98	1.65	2.40	2.25	2.25	2.40
	(b) Utilisation*	092	Do	—	—	—	—	—	—	—	—
(ii) Surface											
	(a) Potential created	093	Do	—	—	—	—	—	—	—	—
	(b) Utilisation	094	Do	—	—	—	—	—	—	—	—
(b) Major and medium Irri.—											
	(i) Potential created	095	000 Hec.	430.00	653.85	12.00	42.00	31.70	31.00	31.00	26.00
	(ii) Utilisation	096	Do	426.00	649.50	11.00	37.00	27.50	23.00	23.00	22.00
(c) Flood control											
	Area provided with protection	097	Do	2520.00	2632.00	30.00	9.00	13.00	5.00	5.00	8.00

\*Utilisation being assessed.







## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
				1979-80 Base Year Level	1984-85 Terminal year Target	Achievement	Achievement	Achievement	Target	Anti-cipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
<b>22. NREP—</b>											
	(i) Employment generated	220	Lakh man-days	..	35.00	..	33.48	28.28	23.43	16.55	17.96
	(ii) Details of Physical Assets created—	221									
	(a) Pavements of streets ..		Lakh sq. Metres	..	..	..	33.25	13.47	20.00	21.14	24.35
	(b) Construction of drains		000 Metres	..	..	..	9.68	762.00	1300.00	1757.00	1530.00
	(c) Plants supplied ..		Lakh Nos.	..	..	..	150.00	246.18	330.00	330.00	22.50 (1800 hec.)
<b>3. Power—</b>											
	(i) Installed capacity (cumulative)	..	310 MW	1537	2489.50	1537	1611	1674	2212	2105	2458
	(ii) Electricity Generated (during the year)	..	311 MKWH	5291	9088	5307	5995	6664.43	7411	6911	8493
	(iii) Electricity sold (during the year)	...	312 MKWH	4084	7220	4244	4800	5367.16	5990	5580	6880
	(iv) Transmission line (cumulative 220 KV and above)	..	313 Km	548	1347	548	548	971.20	1347	1095.95	1125.95
	(v) Rural Electrification—										
	(a) Village Electrified	314	No.	All the 12126 inhabited villages of State stand electrified by 10th May, 1976.							
	(b) Pump sets energised by electricity (during the year)	315	No.	29082	165300.00 (1980-85)	20979	24146	25880	25000*	35000*	2000**
	(c) Tubewell energised by electricity (cumulative)	316	No.	262267	427567	283246	307392	333272	358272	368272	370272
<b>4. Village and Small Industries</b>											
<b>41. Small Scale Industries—</b>											
	(a) Units functioning ..	410	No.	54637	9234	5195	5571	6331	7200	7200	7600
			(Cumulative)		88637	59832	65403	71734	78934	78934	86534
	(b) Production	411	Rs. lakhs	59323	105521	58385	67380	74435	95121	95121	105521
	(c) Persons employed ..	412	No.	350	554	371	416	454	503	503	554
<b>42 Industrial Estates/Areas—</b>											
	(Focal Point)										
	(a) Estates/Areas functioning	420	Nos. (Comulative)	13	18	14	15	15	18	18	18
	(b) Nos. of Units	421	No. '000	242	600	350	400	458	500	500	685

\*Only 6900 pump sets will be energised from Plan scheme and rest would be from Non-Plan side during 1983-84.

\*\*It relates to plan only.



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Serial No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85		1980-81 Achievement	1981-82 Achievement	1982-83 Achievement	1983-84 Target	1984-85	
				1979-80 Base year level	1984-85 Terminal year Target					Anticipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
	(c) Production	.. 422	Rs in lakhs N.A.								
	(d) Employment	.. 423	No. '000	10450	12000	10000	10000	9408	10450	10450	12000
43.	Handloom Industries—										
	(a) Production	.. 430	M. Meters	30	40	32	34	36	38	38	40
	(b) Employment	.. 431	No. '000	20	27	22	23	24	25	25	27
44.	Powerloom Industry—										
	(a) Production	.. 440	M, Metres	175	225	185	195	205	215	215	225
	(b) Employment	.. 441	No. '000	51	60	53	57	58	59	59	60
45.	Sericulture—										
	(i) Production of raw silk	.. 450	'000 Kgs. (cumulative)	2.50	3.50	3.00	3.10	3.00	3.30	3.30	3.5
	(ii) Employment	.. 541	No. '000	0.75	1.00	0.80	1.00	0.90	1.00	1.00	1.20
47	Handicrafts	470	Rs. lakhs								
48	Village Industries—	471	'000,								
	(a) Within the purview of KVIC										
	(i) Production	.. 480	Rs in lakhs		4307.5	1629.57	1709.8	2307.23	2692.95	2692.95	4307.5
	(ii) Employment	.. 481	No. '000	..	139.00	41.60	37.20	53.80	38.80	38.80	48.20
	(b) Outside the Purview of KVIC										
	(i) Production	.. 482	Rs. lakhs	300	2000	700	850	1342	1600	1600	2000
	(ii) Employment	.. 483	No. '000	3.80	7.50	5.00	5.20	6.4	6.70	6.70	7.50
49	District Industries Centre										
	(i) No. of units assisted	490	Nos. (Cumulative)			Not applicable as all Districts under D.I.C. Scheme and figures have been reported from S. No. 41 to 48 for the entire State.					
	(ii) No. of Artisans assisted	491	No. '000								
	(iii) Financial assistance rendered to Industrial units	492	Rs in lakhs								
5.	Transport and Communication										
51	Roads (At the end of the year)—										
	(i) State Highway—										
	(a) Surfaced	.. 510	(Kms. Cumulative)	1900	1900	1900	1900	1900	1900	1900	1900
	(b) Unsurfaced	.. 511	(Kms. Cumulative)	—	—	—	—	—	—	—	—
	(c) Total	.. 512	"	1900	1900	1900	1900	1900	1900	1900	1900

\*Note 41.—The units during 1980-81 and subsequent years up to 1984-85 have been taken as those S.S.I. units which have been set up in the Urban areas.

2. The production figures have been taken at constant Prices with 1973-74 as base year.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
				1979-80 Base year level	1984-85 Terminal year Target					Anticipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
(ii) Major District Roads—											
	(a) Surfaced	.. 520	(Kms. Cumulative)	2100	2100	2100	2100	2100	2100	2100	2100
	(b) Unsurfaced	.. 521	"	—	—	—	—	—	—	—	—
	(c) Total	.. 522	"	2100	2100	2100	2100	2100	2100	2100	2100
(iii) Other District Roads—											
	(a) Surfaced	.. 530	"	2388	2448	2394	2410	2415	2421	2421	2431
	(b) Unsurfaced	.. 531	"	—	—	—	—	—	—	—	—
	(c) Total	.. 531	"	2388	2448	2394	2410	2415	2421	2421	2431
(iv) Village Roads—											
	(a) Surfaced	.. 540	"	24524*	25824@	25120	25315	25335	25435	25435	25435
	(b) Unsurfaced	.. 541	"	—	—	—	—	—	—	—	—
	(c) Total	.. 542	"	24524*	25824@	25120	25315	25335	25435	25435	25435
(v) Total Roads—											
	(a) Surfaced	.. 550	"	30912	32272	31514	31725	31750	31856	31856	31866
	(b) Unsurfaced	.. 551	"	—	—	—	—	—	—	—	—
	(c) Total	.. 552	"	30912	32272	31514	31725	31750	31856	31856	31866
<b>6. Education</b>											
<b>A. Elementary Education</b>											
Classes I—V (age-group 6—11)											
(i) Total enrolment—											
	(a) Boys	.. 610	'000	1141	1064	1138	1105	1157	1114	1114	1064
	(b) Girls	.. 611	"	926	907	930	903	934	912	912	907
	(c) Total	.. 612	"	2067	1971	2068	2008	2091	2026	2026	1971
(ii) Percentage to age-group—											
	(a) Boys	.. 613		116.07	109.69	116.00	113.29	119.37	115.20	115.20	109.69
	(b) Girls	.. 614		103.69	100.00	103.91	110.80	104.19	101.90	101.90	100.00
	(c) Total	.. 615		110.18	105.00	110.23	107.32	112.08	108.40	108.40	105.00
(iii) Enrolment of Scheduled Castes—											
	(a) Boys	.. 616	'000'	348	266	352	345	328	278	278	266
	(b) Girls	.. 617	"	257	227	261	256	237	228	228	227
	(c) Total	.. 618	"	605	493	613	601	565	506	506	493

\*Includes 1374 Kms. of inter-links.

@Includes 1938 Kms. of inter-links.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Serial No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84		1984-85	
				1979-80 Base year level	1984-85 Terminal year Target	Achievement	Achievement	Achievement	Target	Anticipated Achievement	Proposed Targets	
1	2	3	4	5	6	7	8	9	10	11	12	
(iv) Percentage to age-group—												
	(a) Boys	..	619	140.89	109.91	143.67	141.39	135.36	114.87	114.87	109.91	
	(b) Girls	..	620	115.25	100.88	116.52	114.29	105.80	101.33	101.33	100.88	
	(c) Total	..	621	128.75	105.57	130.70	128.42	121.45	108.35	108.35	105.57	
(v) Enrolment of Scheduled Tribes—												
	(a) Boys	..	622	'000'	—	—	—	—	—	—	—	
	(b) Girls	..	623	"	—	—	—	—	—	—	—	
	(c) Total	..	624	"	—	—	—	—	—	—	—	
(vi) Percentage of age-group—												
	(a) Boys	..	625	—	—	—	—	—	—	—	—	
	(b) Girls	..	626	—	—	—	—	—	—	—	—	
	(c) Total	..	627	—	—	—	—	—	—	—	—	
Classes VI—VIII (age-group 11-14)												
(i) Enrolment—												
	(a) Boys	..	630	'000	407	565	427	455	493	540	502	540
	(b) Girls	..	631	"	254	345	273	297	303	330	308	330
	(c) Total	..	632	"	661	910	700	752	796	870	810	870
(Provisional)												
(ii) Percentage to age-group—												
	(a) Boys	..	633	67.72	95.60	70.52	74.20	82.05	91.75	82.56	91.7	
	(b) Girls	..	634	48.20	65.63	55.33	54.86	56.46	65.05	57.39	65.0	
	(c) Total	..	635	58.56	82.43	61.54	65.13	69.98	71.65	71.21	71.6	
(iii) Enrolment of Scheduled Castes—												
	(a) Boys	..	636	'000'	89	123	94	96	113	115	115	14
	(b) Girls	..	637	"	39	55	42	48	51	52	52	8
	(c) Total	..	638	"	128	178	136	144	164	176	176	22
(iv) Percentage to age-group—												
	(a) Boys	..	639	59.00	83.67	62.09	62.62	75.23	75.14	75.14	83.6	
	(b) Girls	..	640	29.54	41.35	31.59	35.47	36.01	37.74	37.74	41.3	
	(c) Total	..	641	45.39	63.57	47.83	49.89	57.67	58.99	58.99	63.4	

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## STATEMENT III

## Targets of Production and Physical Achievements

Sr. No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84		1984-85 Proposed Targets
				1979-80 Base year level	1984-85 Terminal year Target	Achievement	Achievement	Achievement	Target	Anticipated Achievement	
1	2	3	4	5	6	7	8	9	10	11	12
<b>(v) Enrolment of Scheduled Tribes—</b>											
(a)	Boys	.. 642	'000	—	—	—	—	—	—	—	—
(b)	Girls	.. 643	"	—	—	—	—	—	—	—	—
(c)	Total	.. 644	"	—	—	—	—	—	—	—	—
<b>(vi) Percentage to age-group—</b>											
(a)	Boys	.. 645		—	—	—	—	—	—	—	—
(b)	Girls	.. 646		—	—	—	—	—	—	—	—
(c)	Total	.. 647		—	—	—	—	—	—	—	—
<b>B. Secondary Education</b>											
<b>1 Classes-IX—X enrolment—</b>											
(a)	Boys	.. 650	'000	186	264	197	202	229	247	247	264
(b)	Girls	.. 651	"	110	156	122	122	140	146	146	156
(c)	Total	.. 652	"	296	420	319	324	369	393	393	420
<b>2 Class XI—XII (General Classes Enrolment)—</b>											
(a)	Boys	.. 653	"	—	—	—	—	—	—	—	—
(b)	Girls	.. 654	"	—	—	—	—	—	—	—	—
(c)	Total	.. 655	"	—	—	—	—	—	—	—	—
<b>C. Enrolment in Vocational Courses</b>											
<b>1 Post-Elementary stage</b>											
(a)	Total	.. 660	Nos	9187	22500	8596	7707	10446	20,000	12,000	15,000
(b)	Girls	.. 661	"	579	—	336	447	1421	—	—	—
<b>2 Post-High School Stage—</b>											
(a)	Total	.. 662	"	2772	4500	3145	3928	3484	4200	3500	3500
(b)	Girls	.. 663	"	130	—	94	189	146	—	—	—
<b>D. Enrolment in Non-Formal (Part-time/Continuation) classes</b>											
<b>(i) Age-group 6—11.</b>											
(a)	Total	.. 670	"	6476	7500	7085	5155	6417	7500	6960	7500
(b)	Girls	.. 671	"	2590	3375	2834	2320	2407	3375	2500	3375

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## Targets of Production and Physical Achievements

Sr. No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85		1980-81 Achievement	1981-82 Achievement	1982-83 Achievement	1983-84		1984-85 Proposed Targets
				1979-80 Base year level	1984-85 Terminal year target				Target	Anticipated achievements	
1	2	3	4	5	6	7	8	9	10	11	12
	(ii) Age-group 11-14										
	(a) Total ..	672	Nos.	N. A.	18000	145	7460	12121	18000	18000	18000
	(b) Girls ..	673	"	N.A.	N.A.	N.A.	N.A.	5303	N.A.	N.A.	N.A.
	<b>E. Adult Education</b>										
	(a) Number of participants (age-group 15-35)	680	'000'	9	84	26	72	84	100	100	100
	(b) Number of centres opened under—										
	(a) Central Programme ..	681	Nos.	40	2500	1793	2300	2472	2500	2500	2500
	(ii) State's Programme ..	682	"	274	1190	241	241	290	290	290	290
	(iii) Voluntary Agencies ..	683	"	—	—	—	—	—	—	—	—
	<b>F. Teachers</b>										
	(i) Primary Classes I-V ..	690	"	47240	47290	47260	47260	47260	47260	47260	47265
	(ii) Middle Classes VI-VIII ..	691	"	23263	24127	23839	24235	24535	24835	24985	24985
	(iii) Secondary Classes IX-X ..	692	"	18013	19705	19357	19861	20311	20461	20911	20911
	(iv) Higher Secondary										
	Classes XI-XII ..	693	"								
	<b>7 HEALTH AND FAMILY WELFARE</b>										
	<b>1 Hospital and Dispensaries—</b>										
	(1) Urban ..	710	Nos.	320	361	8	7	6	4	4	13*
	(2) Rural ..	711	"	1207	2228	200	200	50	30	80	30
	<b>2 Beds—</b>										
	(a) Urban hospitals and dispensaries	712	"	11535	11830	118	49	—	—	—	20
	(b) Rural hospitals and dispensaries	713	"	7554	12079	764	842	200	120	320	120
	(c) Bed population ratio ..	714	No. (per 1000)	1.17	1.28	1.20	1.26	*845	1.830	1.825	1.817

\* 5 under F.W. and 8 under E.S.I.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Sl. No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
				1979-80 Base Year level	1984-85 Terminal year target	Achievement	Achievement	Achievement	Target	Anticipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
3	Nurse and Doctor Ratio ..	715	No. (per Doctors)	1.2	1.49	1.2	1.2	1.2	1.2	1.2	1.2
4	Doctor Population Ratio ..	716	No. (per 1000 population)	—	—	1.1844	—	—	—	—	—
5	Health Centres—										
	(a) Community Health	720	Nos. (Cumulative)	—	30	—	—	10	—	—	—
	(b) Primary Health Centres	721	"	129	130	—	—	1	—	—	—
	(c) Sub-Centres ..	722	"	2105	2600	—	150	80	100	100	165
	(d) Subsidiary Health Centres	723	"	1096	2096	200	200	50	30	80	30
6	Training of Auxiliary Nurses-Mid-Wives—										
	Institute ..	730	"	4	6	2	—	—	—	—	—
	Annual Intake ..	731	"	160	240	160	240	294	403	420	420
	Annual Out-turn ..	732	"	160	240	160	240	233	145	420	420
7	Control of Diseases—										
	(a) T.B. Clinics ..	740	"	13	13	—	—	—	—	—	—
	(b) Leprosy Control Units	741	"	12	12	—	—	—	—	—	—
	(c) Filariasis Units ..	742	"	—	—	—	—	—	—	—	—
	(d) SET Centres ..	743	"	—	—	—	—	—	—	—	—
	(e) District T.B. Centres ..	744	"	Included at (a) above,			—	—	—	—	—
	(f) T.B. Isolation Beds ..	745	"	648	648	—	—	—	—	—	—
	(g) Cholera Combat Teams	746	"	—	—	—	—	—	—	—	—
	(h) STD Clinics ..	747	"	—	—	—	—	—	—	—	—
	(i) Filariasis Control Units ..	748	"	—	—	—	—	—	—	—	—
	(j) National scheme for prevention of Blindness—										
	(i) Mobile Units set up ..	750	"	3	3	—	—	—	—	—	—
	(ii) PHC's assisted ..	751	"	110	130	18	—	—	—	—	—
	(iii) Ophthalmic Deptt. assisted	752	"	Concern DRME			—	—	—	—	—
8	Maternity and Child Welfare Centres (other than PHC's SHC's and SCs—										
	(i) Rural ..	760	Nos. (Cumulative)	25	—	—	—	—	—	—	—
	(ii) Urban ..	761	"	63	—	—	—	—	—	—	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Sl. No.	Item	Code No.	Unit	Sixth Five-Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84	1984-85	
				1979-80 Base Year level	1984-85 Terminal year target	Achieve-ment	Achieve-ment	Achieve-ment	Target	Anticipated Achievement	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
9	Training and employment of Multipurpose workers—										
	(a) District covered ..	770	"	12	12	—	—	—	—	—	—
	(b) Trainees trained ..	771	"	1293	1741	1324	419	142	—	—	—
	(c) Workers trained ..	772	"	3548	5200	3718	1482	294	—	—	—
10	Village Health (Guides Scheme—										
	(a) V.H.G's selected ..	780	"	2960	2960	—	1200	3355	6032	4032	2000
	(b) V.H.G's trained ..	781	"	2960	2960	—	1700	3355	6032	4032	2000
	(c) Working in the field ..	782	"	—	—	—	1700	3355	6032	4032	2000
11	Family Welfare—										
	(a) Rural FW Centres ..	790	"	128	129	—	—	—	—	—	—
	(b) District FW Bureau ..	791	"	12	—	—	—	—	—	—	—
	(c) City FW Centres ..	792	"	—	—	—	—	—	—	—	—
	(d) Urban Partum Centres ..	793	"	14	51	—	20	—	4	4	61
	(e) Post FW Centres ..	794	"	—	—	—	—	—	4	4	8*
	(f) Regional FW Training Centres ..	795	"	1	—	—	—	—	—	—	—
	(g) ANM Trg. Schools ..	796	"	4	2	2	—	—	—	—	—
<b>A. SEWERAGE AND WATER SUPPLY</b>											
<b>URBAN WATER SUPPLY</b>											
<b>Corporations/Towns</b>											
1	Ludhiana—										
	(i) Augmentation of W/S ..	810	Mld.	108.65	154.96	91.89	91.89	118.04	150.46	150.46	196.58
	(ii) Population covered ..	811	Lakhs	4.75	6.80	5.52	5.81	6.56	6.96	6.96	7.00
2	Amritsar										
	(i) Augmentation of W/S ..	810	Mld	100.00	118.74	100	100	113.64	207.36	207.36	210.24
	(ii) Population covered ..	811	Lakhs	3.48	4.66	3.90	4.00	4.40	5.09	5.09	5.21

\*According to G.O.I. direction for opening more F.W. centres in urban areas F.W. Programme, proposal has been sent to G.O. I

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Sr. No.	Item	Code No.	Unit	Five years Plan 1980-85		1980-81	1981-82	1982-83	1983-84		1984-85
				1979-80 Base year level	1984-85 Terminal year target	Achievements	Achievements	Achievements	Target	Anticipated Achievements	Proposed Target
1	2	3	4	5	6	7	8	9	10	11	12
<b>3 Jullundur—</b>											
(i)	Augmentation of W/S ..	810	Mld	61.29	85.80	66.83	71.64	72.70	80.38	80.38	83.45
(ii)	Population covered ..	811	Lakhs	2.86	3.95	2.90	3.10	3.21	3.76	3.76	3.98
<b>Other towns</b>											
(a)	Original Schemes	812	Nos.	76	79	1	3	2	2	2	2
(i)	Towns covered ..			(Commulative)	(Lehragaga) Partly	(Lehragaga, Patran and Ahmedgarh)	(Partly Patran and Ahmedgarh)	(Partly Patran and Ahmedgarh)	(Partly Patran and Ahmedgarh)	(Partly Patran and Ahmedgarh)	(Partly Dhariwal and Banur under 3rd Pkg.)
(ii)	Population covered	813	Lakhs	14.3	15.13	0.04	(Part population)	0.042	(Part population)	Part population	Part Population
<b>(b) Augmentation Schemes</b>											
(i)	Towns covered	814	Nos.	70	91	14 partly IDA 5 towns LIC 5 towns Others 4 towns	39Partly IDA 5 towns LIC 33 towns HUDCO 1 town	31 Partly IDA 5 towns LIC 25 towns HUDCO 1 town	31	31	35 LIC : 25 towns 2nd Pkg. LIC 10 town 3rd Pkg Tarn (Taran, Nabha, Sangrur, Dhanualla Bhucho, Dasuya, Morinda, Dera Bassi and Bassi (Pathana)
(ii)	Population covered	815	Lakhs	Part population	1.155	Part population	2.271	2.271	Part-population	Part population	Part population
<b>B. URBAN SANITATION SEWERAGE SCHEMES</b>											
<b>Corporation/towns</b>											
<b>1 Ludhiana—</b>											
(i)	Augmentation Capacity ..	820	Mld	81.49	112.55	63.92	68.92	56.48	111.00	111.00	156.98
(ii)	Population covered ..	821	Lakhs	1.99	6.00	2.70	3.63	4.70	5.43	5.43	6.30
<b>2 Amritsar—</b>											
(i)	Augmentation Capacity ..	820	Mld.	75.01	87.25	75.00	75.00	85.23	152.46	152.46	157.85



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Sr. No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85		1980-81	1981-82	1982-83	1983-84		1984-85
				1979-80 Base year level	1984-85 Terminal year target	Achievements	Achievements	Achievements	Target	Anticipated achievements	Proposed Targets
1	2	3	4	5	6	7	8	9	10	11	12
	(ii) Population covered	821	Lakhs	0.83	3.07	1.40	2.00	2.50	3.58	3.58	.80
<b>3</b>	<b>Julundur</b>										
	(i) Augmentation capacity	820	Mld	45.97	64.35	49.52	53.73	56.02	60.28	60.28	80.97
	(ii) Population covered	821	Lakhs	0.84	2.82	1.47	2.30	2.52	2.06	2.06	2.98
	<b>Other Towns Original Schemes</b>										
	(i) Towns covered	822	Nos.	52	58	..	..	..	..	..	3 partly (Ahmedgarh Dhuri and Dhanaula under L.I.C 3rd Pkg.
	(ii) Population covered	823	Lakhs	8.27	15.57	..	..	..	..	..	Part population
	<b>Augmentation Schemes</b>										
	(i) Towns covered	824	Nos.	..	22 IDA 5 towns LIC 11 town HUDCO 1, towns Other 5 towns	6(Partly) IDA 5 towns HUDCO 1 town	17 IDA 5 towns LIC 11 towns HYDCO 1 town	17	17	21 LIC 2nd LIC 3rd	11 towns 10 towns
	(ii) Population covered	825	Lakhs	..	Part population	0.82	1.247	1.247	Part population	Part population	Part population
	<b>Drainage Schemes</b>										
	(a) Original Schemes —										
	(i) Towns covered	826	Nos.								Covered in I(B) above.
	(ii) Population covered	827	Lakhs								
	(b) Augmentation schemes										
	(i) Towns covered	828	Nos.								Covered in I(B) above.
	(ii) Population covered	829	Lakhs								
<b>3</b>	<b>Latrines Conversion Programme (Under IDA)</b>										
	(i) Latrines converted	830	Nos.	9100	2,24,818	43,199	78,766	1,01,662	2,25,710	2,25,710	2,44,818
	(i) Towns covered	831	Nos.	8	8	8	8	8	8	8	8
	(ii) Population covered	832	Lakhs	7.20	18.23	10.44	13.96	15.85	17.09	17.09	18.23
	<b>Urban low cost Sanitation</b>										
	(i) Latrines constructed	833	Nos.	..	..	..	..	..	18917	18917	20180
	(i) Towns covered	834	Nos.	..	..	..	..	..	10	10	10
	(ii) Population covered	835	Lakhs	..	..	..	..	..	1.32	1.32	1.41

Note.—All projected targets for the year 1984-85 have been taken from the respective IDA Project report of the town.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT III

## Targets of Production and Physical Achievements

Sr. No.	Item	Code No.	Unit	Sixth Five year Plan 1980-85		1980-81	1981-82	1982-83	1983-84		1984-85
				1979-80 Base year level	1984-85 Terminal year Target	Achrevement	Achi-vement	Achi-vement	Targets	Anti-cipa-achievement	Proposed Targets
1	2	3	4	5	6	7	8	9	10	11	12
<b>1 RURAL WATER SUPPLY</b>											
<b>Under Minimum Needs Programme (State Sector)</b>											
<b>(a) Piped Water Supply</b>											
	(i) Village covered	840	Nos.	77	597	48	45	66	110	132	165
	(ii) Population covered	841	Lakhs	1.03	6.91	0.92	0.51	N.A.	0.65	1.58	N.A.
<b>Other Rural Water Supply—</b>											
<b>(a) Piped Water Supply—</b>											
	(i) Village covered	860	Nos.	58	90	32	5	11	15	33	35
	(ii) Population covered	861	Lakhs	0.75	1.06	0.37	0.04	N.A.	0.18	0.40	N.A.
<b>Housing</b>											
<b>A. Rural Housing—</b>											
1	Rural House sites Schemes*	910	Nos.	..	..	..	..	..	..	..	..
2	Houses for rural homeless	911	..	778	24389+6611	9919	7421	3475	5450	4500	1525
				(spill over)							
3	Village Housing Project Scheme	912	Loanees	5058	3400	1264	1400	..	200	200	1000
<b>B Urban Housing</b>											
<b>1 Subsidised Industrial Housing Scheme—</b>											
<b>(a) Government sector</b>											
		920	Houses	2440	228	..	..	..	..	..	..
<b>(b) Private Co-operative Sector</b>											
				2463	32	90	80	..	90	90	34
2	Low Income Group Housing scheme	921	Loanees	28992	6000	600	1300	20	200	200	160
3	Middle Income Group Housing Scheme	922	Loanees	1283	300	175	175	13	50	50	10
<b>4 Rental Housing Scheme—</b>											
<b>Houses for Government employees—</b>											
<b>(a) At District/Tehsil Headquarters and other places</b>											
			Houses	1658	1168+754	1524 ho-uses under construction	..	..	..	..	30+15.4 spill-ovr
<b>(b) At Focal Points</b>											
		924	Do	..	218+78	376 houses under construction.	..	..	..	..	30
<b>(c) At Chandigarh—</b>											
		Do	Do	..	410+718	64 comple-ted 366 under construction)	..	..	..	..	30
<b>5 Land acquisition &amp; area Development—</b>											
	(a) Area acquired	925	Acres	..	1000	..	263	..	..	..	25
	(b) Area Developed		Do	430	600	255	600	340	380	380	80







## DRAFT ANNUAL PLAN 1984-85

## STATEMENT IV

## Revised Minimum Needs Programme—Outlays and Expenditure

(Rs. in lakhs)

Name of the Programme	Code No.	Sixth Five year Plan 1980-85	1980-81	1981-82	1982-83	1983-84		1984-85		
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved outlay	Anticipated Expenditure	Proposed outlay	of which capital content	
1	2	3	4	5	6	7	8	9	10	
<b>Rural Electrification :</b>										
A. (i) R.E.C.	..	0-1	3174.00	1250.83	1137.09	629.00	690.00	690.00	201.00	200.00
(ii) Normal State Plan	..	..	3960.00	494.86	246.72	100.00	—	—	—	—
Total	..		7134.00	1745.69	1383.81	729.00	690.00	690.00	201.00	200.00
Rural Roads	..	02	2000.00	425.54	465.84	407.90	780.00	780.00	30.00	30.00
<b>Elementary Education—</b>										
(i) Classes I—V (6—11)	..	03	726.00	67.86	109.45	113.43	120.00	120.00	175.55	150.00
(ii) Classes VI—VIII (11—14)	..	—	1386.05	144.24	244.53	302.10	374.70	374.70	464.38	21.00
Adult Education	..	04	100.00	—	—	—	10.00	10.00	10.00	—
1. Rural Water Supply	..	06	6800.00	337.14	427.58	337.87	800.00	800.00	1000.00	1000.00
<b>2. Housing—</b>										
HG 2.2 Houses for Rural Homeless	..	08	1200.00	170.00	285.00	285.00	311.00	311.00	156.37	56.37
<b>3. Urban Development—</b>										
UD 6 Environmental Improvement of slums	..	10	500.00	19.00	80.00	80.00	80.00	80.00	141.00	41.00
Nutrition	..	11	80.00	10.56	15.64	8.74	76.00	76.00	100.00	—

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT IV

## REVISED MINIMUM NEEDS PROGRAMME—OUTLAYS AND EXPENDITURE

(Rs. in lakhs)

Name of the Programme	Code	Sixth Five- Year Plan 1980-85	1980-81	1981-82	1982-83	1983-84		1984-85		
			Actual expendi- ture	Actual expendi- ture	Actual expendi- ture	Appro- ved out- lay	Antici- pated expen- diture	Propo- sed outlay	Of which Capital content	
1	2	3	4	5	6	7	8	9	10	
<b>Rural Health</b>										
PH 1.1	Completion & Improvement of PHCs.	05	48.00	25.94	9.35	9.22	10.50	10.50	32.50	31.00
PH 1.2	Completion & Improvement of Sub-Centres ..	05	273.00	—	20.91	8.86	11.25	11.25	12.00	1.80
PH 1.3	(a) Opening of Subsidiary Health Centres in Rural Areas ..	05	995.00	217.71	242.87	295.35	390.35	390.35	490.00	40.00
	(b) Construction of Staff quarters at Subsidiary Health Centres through Punjab Housing Development Board	05	—	—	—	—	27.00	27.00	—	—
	(c) Construction of on-going works of 21 Subsidiary Health Centres ..	05	—	—	—	—	20.00	20.00	—	—
PH 1.4	Improvement of subsidiary Health Centres ..	05	—	—	—	—	—	—	—	—
PH 1.5	Establishment of Community Health Centres ..	05	—	—	—	—	10.00	10.00	10.00	—
PH 1.6	Providing additional Laboratory Technicians in 100 (S.H.C) ..	05	—	—	—	—	—	—	2.50	—
	<b>Total</b> ..		1317.00	243.65	273.13	313.43	469.10	469.10	547.00	72.80





## DRAFT ANNUAL PLAN 1984-85

## STATEMENT V

## TARGETS AND PHYSICAL ACHIEVEMENTS—R.M.N.P.

Sr. No.	Item	Code No.	Unit	Sixth Five Year Plan 1980-85		1980-81 Achievement	1981-82 Achievement	1982-83 Achievement	1983-84		1984-85 Proposed targets										
				1979-80 Base year level	1984-85 Terminal year Targets				Target	Anticipated achievements											
1	2	3	4	5	6	7	8	9	10	11	12										
<b>(e) Village covered:</b>																					
	(i) Piped Water Supply		.. No.	}																	
	(iii) Hand Pump Tubewell		.. No.		77	597	8	45	55	110	132	165									
	(iv) Power pump tubewell		.. No.																		
	(v) Other specify		.. No.																		
<b>7. Rural house site cum-construction scheme:</b>																					
	Houses for Rural Homeless		.. Houses		778	24389 <sup>+</sup> 6611 (Spill over)	9919	7421	5400	3475	4500	1925									
<b>8. Nutrition:</b>																					
<b>(b) Beneficiaries under Special Nutrition Programme in ICDS—</b>																					
	(i) Children 0—6 Years		}	No. of Beneficiaries	17000	75000	15000	15268	13500	125000	125000	135000									
	(ii) Women																				
<b>(b) Beneficiaries under Special Nutrition Programme Outside ICDS</b>																					
	(i) Children 0—6 Years																				
	(ii) Women																				
<b>9. Environmental Improvement of slums :</b>																					
<b>(a) Cities</b>																					
	(b) Persons benefitted		.. Population		96656	333000	53810	57242	74586	60000	81000	85,000									

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT VI

## Centrally-sponsored Schemes—Outlays

(Rs. in lakhs)

1	Name of the Scheme	Patterns of sharing Expenditure (i.e. 50 :50 or 100% etc.)	Sixth Plan Outlay 1980—85	Actual Expenditure 1980-81	Actual Expenditure 1981-82	Actual Expenditure 1982-83	1983-84		1984-85	
							Allo- cation	Anti- cipated Expendi- ture	Propo- sed Outlay	
1		2	3	4	5	6	7	8	9	
<b>I. Agriculture—</b>										
C.S. 1	Timely reporting revised calendar operation and improved crops Statistics	50 : 50	10.20	1.93	2.10	2.51	3.93	3.93	4.00	
C.S. 2	Scheme to enable the small farmers in eradication of pests/ diseases in endemic areas by aero-Chemical operations	50: 50	5.00	0.31	—	—	0.50	0.50	0.50	
C.S. 3.	Intensive Cotton Development Programme including Scheme for production of nucleous seed of Cotton	50:50	250.00	28.94	27.54	28.75	34.10	34.10	35.00	
C.S.4.	Intensive Oilseed Development Programme	1. Subsidies 100% by GOI 2. Other items 50 : 50	80.00	11.05	13.15	12.15	25.20	25.20	32.40	
C.S.5	Intensive Pulses Development Programme	1. Subsidy on certified seed 100 % GOI 2. Other Items 50 : 50	35.00	4.81	5.36	2.66	9.50	9.50	7.00	
C.S. 6	Control of Weeds and loose smut.	50 : 50	150.00	20.16	21.15	50.00	60.00	60.00	75.00	
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%	—	50.00	—	71.00	—	—	—	
C.S.9	Agricultural Census	100%	—	—	0.51	4.32	4.17	4.17	2.50	
C.S. 10	Creation of Bio-gas cell	Staff for six Districts and subsidy 100% G.O.I. Staff for six Districts 100% State	—	—	—	44.48	91.60	91.60	87.40	
C.S. 11	Scheme for crop estimation surveys on fruits, vegetables and minor crops	100%	—	—	—	—	1.00	1.00	1.90	
C.S. 12	Sample Survey for study of constraints in transfer of technology for Agricultural Production	50 : 50	—	—	—	—	0.40	0.40	0.50	
C.S. 13	Assistance to Small and Marginal Farmers on IRD Pattern	50 : 50	—	—	—	—	—	132.02	187.00	
Total			605.20	117.20	69.81	221.87	230.40	362.42	433.20	
<b>II. Animal Husbandry—</b>										
C.S.1	Foot and Mouth Disease Control Programme Project for Vaccination of Cattle and Buffaloes in selected areas	State G.O.I. Farmers Share: 50%	Govt. 25% 25%	13.00	1.49	1.50	1.36	1.54	1.54	2.50
C.S.2	ICAR Scheme— All India Co-ordinated Res. Project for Epidemiological Studies on Foot and Mouth	ICAR:75% State Govt. 25%	2.41	0.49	0.80	0.65	0.86	0.86	0.87	

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT-VI

## Centrally Sponsored Schemes—Outlays

(Rs. in lakhs)

Name of the Scheme	Patterns of sharing Expenditure, i.e. 50:50 or (100% etc.)	Sixth Plan Outlay 1980-85	Actual Expenditure 1980-81	Actual Expenditure 1981-82	Actual Expenditure 1982-83	1983-84		1984-85
						Alloca- tion	Anticipated Expenditure	Proposed Cutlay
1	2	3	4	5	6	7	8	9
C.S.3 Assistance to Small/Marginal Farmers & Agricultural Labourers for rearing of cross bred heifers	50:50	72.00	12.08	12.41	20.24	20.45	20.45	21.37
C.S.4 Implementation of Poultry, Piggery and Sheep Production Programme through Small/Marginal Farmers and Agricultural Labourers	50:50	70.00	7.97	1.67	6.34	11.86	11.86	7.81
C.S.5 Sample Survey on Estimation of Production of milk, eggs, wool and meat	50:50	—	—	—	—	6.23	—	1.90
C.S.6 Centrally sponsored Scheme on Systematic Control of Livestock Disease of National importance and other related aspects—T.B. and Brucellosis control (2 units)	—	—	—	—	—	—	—	2.00
Total ..		157.41	22.03	16.38	28.59	40.94	34.71	36.45
III. Fisheries—								
C.S. 1 Scheme for Establishment of two 5.0 Hect. Fish Seed Farms for FFDA, Ludhiana and Sangrur ..	50:50	—	—	—	—	—	—	2.00
C.S.2 Scheme for the Establishment of two 10.00 Hect. Fish Seed Hatcheries	70:30	—	—	—	—	—	—	3.00
C.S. 3 Scheme for Assistance to FFDA, Amritsar, Gurdaspur, Ludhiana, Sangrur and Jullundur ..	50:50	20.00	4.00	4.00	8.00	10.00	10.00	10.00
Total ..		20.00	4.00	4.00	8.00	10.00	10.00	15.00
IV. Forests								
C.S. 1 Social Forestry including rural fuelwood Plantations ..	50:50	100.00	—	34.92	39.94	45.00	50.00	50.00
C.S. 2 Soil Water and Tree Conservation in Himalayas ..	100%	110.00	9.95	25.00	50.00	50.00	50.00	50.00
C.S. 3 Integrated Watershed Management in the catchment of flood prone rivers	—	25.00	—	—	—	—	—	—
C.S. 4 Assistance for Development of selected Zoos ..	50:50	—	—	—	2.00	2.00	2.00	2.00
Total ..		235.00	9.95	59.92	91.94	97.00	102.00	102.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT VI**  
**Centrally Sponsored Schemes -- Outlays**

(Rs. in lakhs)

Name of the Scheme	Patterns of sharing expenditure (i.e. 50 : 50, 100% etc.)	Sixth Plan outlay 1980-85	Actual expenditure 1980-81	Actual expenditure 1981-82	Actual expenditure 1982-83	1983-84		1984-85	
						Allocation	Anticipated expenditure	Proposed outlay	
1	2	3	4	5	6	7	8	9	
<b>V. Soil Conservation</b>									
CS-1	Pilot Project for propagation of water conservation/Harvesting technology in rainfed areas ..	100%	—	—	—	8.42	1.00	24.00	
<b>VI. Community Development and Panchayats</b>									
CS-1	Assistance to Rural Development Agencies for Integrated Rural Development Programme	50%	1975.00	323.83	339.75	468.00	472.00	472.00	
CS-2	Strengthening of infra-structure under TRYSEM	50%	—	—	3.57	5.00	5.00	2.00	
CS-3	Rural landless Employment Guarantee Programme ..	100%	—	—	—	135.00	135.00	675.00	
	<b>VII. National Rural Employment Programme</b>	50%	—	—	250.11	360.00	360.00	360.00	
<b>VIII. Cooperation</b>									
CS-1	Agriculture Credit Stabilization Fund ..	G.O.I. 100%	50.00	—	9.00	10.00	10.00	10.00	
CS-2	Assistance to Primary Coop. Agricultural Service Socs. for construction of godowns		232.02	55.70	21.88	128.21	15.00	15.00	—
CS-3	Assistance for distribution of consumer articles in rural areas	NCDC 100%	414.58	15.93	30.25	10.33	10.00	10.00	20.00
CS-4	Margin money as share capital contribution to Pb. Handloom Weavers Apex Coop. Society for setting up of show rooms-cum-sale centres	NCDC 100%	5.40	3.00	0.90	0.90	0.90	0.90	3.98
CS-5	Assistance for technical and promotional Cell of various Apex Federations	NCDC 100%	8.70	0.26	0.72	0.71	2.00	2.00	3.24
CS-6	Assistance for preparation of Project reports and feasibility studies to Milkfed and other State Federations	NCDC 100%	2.50	0.50	1.00	—	1.00	1.00	8.50
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	110.00	281.20	419.60	217.25	217.25	38.10
CS-8	Assistance for expansion and installation of New Coop. Sugar Mills	NCDC 50% of 25% equity	1485.00	—	—	44.05	73.75	73.75	241.50
CS-9	Assistance as share capital for construction of cold storages	—	595.00	—	22.50	—	1.00	1.00	—
CS-10	Managerial subsidy to Handloom Apex/Primary Societies	G.O.I. 50%	25.35	1.24	1.39	1.50	1.50	1.50	1.50

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT VI

## Centrally Sponsored Schemes—Outlays

(Rs in lakhs)

Name of the scheme	Pattern of sharing expenditure (i.e. 50: 50 100% etc.)	Sixth Plan outlay 1980-85	Actual expenditure 1980-81	Actual expenditure 1981-82	Actual expenditure 1982-83	1983-84		1984-85	
						Allocation	Anticipated expenditure	Proposed outlay	
1	2	3	4	5	6	7	8	9	
CS-11	Share capital contribution to Handloom Apex Society and Primary Socs. as equity base	Coop. N.C.D.C. 50%	60.00	6.00	12.00	9.00	10.00	10.00	10.00
CS-12	Assistance to Handloom Processing units for Modernisation and Setting up Handloom units	—	5.00	1.00	—	—	—	—	—
CS-13	Assistance to Handloom Apex/ Primary Socs. as sales subsidy/ rebate	G.O.I. 50%	10.00	1.00	1.50	1.24	3.00	3.00	2.50
CS-14	Assistance for construction of godowns under NCDC-II Project	NCDC 25% State 20%	728.68	74.37	164.59	71.00	198.75	198.75	150.00
CS-15	Assistance as loan and share capital for setting up processing units, by Handloom Apex	State 15% NCDC 80%	108.00	..	27.00	14.00	88.30	88.30	9.86
CS-16	Assistance to Central Coop. Banks and Primary Agri. Service Societies as risk fund for consumption loan	G.O.I. 50%	—	—	—	—	—	—	1.00
Total		..	4875.55	269.00	573.93	710.54	632.45	632.45	500.18

**DRAFT ANNUAL PLAN, 1984-85**  
**STATEMENT VI**  
**CENTRALLY SPONSORED SCHEMES**

(Rs. in lakhs)

Serial No.	Name of the Scheme/Project	Pattern of sharing Expenditure 50:50 or 100%	1980-85	1980-81	1981-82	1982-83	1983-84		1984-85
			6th Five-Year Plan	Actual Expenditure	Actual Expenditure	Actual Expenditure	Approved Outlay	Anticipated Expenditure	Proposed Outlay
1	2	3	4	5	6	7	8	9	10
<b>IX. Minor Irrigation</b>									
C.S. 1.	Strengthening of ground water (Minor Irrigation Organisation) Irrigation Department ..	50:50	7.50	2.91	—	—	—	—	—
S.C. 2.	Strengthening of ground water/surface water (Minor Irrigation Organisation) Irrigation Department ..	50:50	50.00	6.39	7.19	3.18	8.70	8.70	8.00
C.S. 3.	Strengthening of ground water/surface water (Minor Irrigation Organisation), Punjab State Tubewell Corporation ..	50:50	15.00	3.00	3.00	—	3.00	3.00	4.00
C.S. 4.	Centrally sponsored scheme for purchase of machinery (Punjab State Tubewell Corporation) ..	50:50	—	—	—	—	53.00	53.00	5.00
C.S. 5.	Scheme for the improvement of Irrigation Statistics (Agriculture Department) ..	100%	5.70	—	—	0.66	1.95	1.95	1.87
Total ..			78.20	12.30	10.19	3.84	66.65	66.65	68.87
<b>X. Power</b>									
	220 KV Switching substation at Dasuya ..	50:50	—	120.95	67.61	54.49	—	0.50	15.21
<b>X. Industry and Minerals</b>									
C.S. 1	10-15% Central Investment Subsidy ..	100%	550.00	60.00	60.00	30.31	60.00	60.00	61.00
C.S. 2	Engineer Entrepreneur Training Programme (Interest Subsidy) ..	100%	10.00	0.76	1.25	0.07	2.90	2.00	2.00
C.S. 3	Setting up of Nuclues Cell for i&ii Updating the Census Data ..	100%	16.50	0.45	1.88	2.59	3.30	3.30	3.60
C.S.4.	Export Promotion Projects ..	—	12.02	12.02	—	—	—	—	—
C.S. 5	Setting up of Processing House for Power looms ..	—	69.83	69.83	—	—	—	—	—
C.S. 6	District Industries Centres ..	50:50	250.00	15.20	38.33	36.74	50.00	50.00	50.00
C.S. 7	Rebate on Sale of Handloom Cotton Cloth ..	50:50	—	—	—	—	4.00	4.00	6.00
C.S. 8	Punjab State Handloom and Textile Corporation ..	100%	—	—	—	—	50.00	50.00	50.00
C.S. 9	Incentive for quality Certification of SSI products ..	50:50	—	—	—	—	—	—	0.50
Total ..			908.35	158.26	101.46	69.71	169.30	169.9	172.10

## DRAFT ANNUAL PLAN—1984-85

## STATEMENT-VI

## Centrally-Sponsored Schemes

(Rs. in lakhs)

Name of the Scheme	Patterns of sharing expenditure (i.e. 50:50 or 100%)	1980-85 Sixth Plan Outlay	1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		1984-85 Proposed Outlay
						Outlay	Anticipated Expenditure.	
1	2	3	4	5	6	7	8	9
<b>XI. Education—</b>								
1. Taking over of NFC scheme	(100%)	121.00	35.57	49.01	86.93	64.11	64.11	67.79
2. Social Education Programme—								
Creation of Administrative Structure for Adult Education at State level	.. (100%)	17.50	—	—	—	3.50	3.50	3.50
3. Setting up of an Educational Technology Cell	.. —	3.01	2.40	—	—	—	—	—
4. Setting up of State Survey Units	.. —	0.09	0.07	—	—	—	—	—
5. Integrated Education for physically handicapped children	.. (100)	8.52	—	0.05	—	6.54	6.54	3.54
6. National Merit Scholarships	.. (100%)	—	2.22	4.73	5.90	6.32	6.32	6.32
7. Scholarships for the study of Hindi in Non-Hindi speaking areas	.. (100%)	—	1.05	1.50	1.04	1.50	1.50	1.50
8. National Merit Scholarships	.. (100%)	—	1.69	3.00	—	3.00	3.00	3.00
9. National Services Scheme (NSS)	.. (7:5)	64.15	10.58	11.08	13.40	17.44	17.44	18.96
10. Promotion of Regional Languages (Punjab State University Text Board)	.. (100%)	60.65	5.52	4.62	—	24.86	24.86	24.86
Total	..	274.92	59.10	73.99	107.27	127.30	127.30	129.47
<b>XII. Rural Water Supply—</b>								
Accelerated Rural Water Supply Programme	..	458.50	46.12	170.61	85.55	80.00	393.13	150.00
<b>XIII. Urban Development—</b>								
UD 5 Integrated Development of Small and Medium towns	..	400.00	65.00	65.00	65.00	65.00	65.00	72.00
<b>XIV. Welfare of Scheduled Castes and Backward Classes</b>								
CS 1 Grants for the purchase of Medical and Engineering books	.. (50 : 50)	10.00	—	1.09	2.00	2.00	2.00	2.00
CS 2 Pre-Examination coaching centre (IAS and allied/State/Banking Services)	.. (50 : 50)	9.10	—	—	—	1.50	1.50	4.00
CS 3 Girls Hostels	.. (50 : 50)	4.55	0.75	0.75	—	1.00	1.00	1.00
CS 4 Share assistance in the form of grant-in-aid to the Punjab Scheduled Castes Land Dev. & Finance Corporation	.. (51:49)	196.00	98.00	98.00	98.00	49.00	49.00	49.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT VI

## CENTRALLY SPONSORED SCHEMES—OUTLAYS

(Rs. in lakhs)

Name of the Scheme	1980-85	1980-81	1981-82	1982-83	1983-84		1984-85	
	Sixth Plan Outlay	Actual Expenditure	Actual Expenditure	Actual Expenditure	Allocation	Anticipated Expenditure	Outlay	Of which capital content
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>XV—Public Health and Sanitation</b>								
CS 1 Visual impairment and prevention of blindness (DRME) ..	20.00	1.15	4.28	4.94	8.00	8.00	8.00	—
CS 2 National Malaria Eradication Programme (Rural) ..	605.30	111.48	85.15	149.74	130.00	130.00	200.00	—
CS 3 National Malaria Eradication Programme (Anti-Larvel) (50 per cent Centrally Sponsored Scheme) ..	77.20	14.16	13.69	15.89	18.00	18.00	35.00	—
CS 4 National T.B. Control Programme	58.00	1.39	3.05	4.83	7.00	7.00	7.00	—
CS 5 National Leprosy Control Programme	8.00	0.17	0.81	1.11	1.52	1.52	4.45	—
CS 6 National Programme for control of visual Impairment and Blindness including Trachoma (100 per cent C.S.) DHS ..	45.00	—	—	0.96	12.00	12.00	15.65	—
CS 7 Training and Employment of Multipurpose Workers Scheme	60.00	13.43	2.31	1.64	8.50	8.50	8.50	—
CS 8 Family Welfare Programme (100 per cent C.S.) ..	2092.96	337.45	450.00	630.12	561.37	561.37	1211.12	349.40
CS 9 Assistance to Post-graduate in I.S.M. ..	25.75	4.25	3.25	3.92	8.60	8.60	9.20	—
CS 10 Establishment of Pharmacies including Herbal Farms and Drugs Testing Laboratories	13.25	0.43	0.76	0.35	3.50	3.50	4.00	—
CS 11 USAID Assisted Area Project (100 per cent CS.) ..	944.97	0.16	11.58	213.54	344.55	344.55	454.15	337.55
CS 12 Community Health Guides ..	477.00	—	—	15.44	125.71	125.71	159.75	—
Total :	4182.60	483.14	654.40	1042.48	1180.66	1540.29	2116.82	686.95



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT VI

## Centrally-Sponsored Scheme

(Rs. in lakhs)

Name of the Scheme	Pattern of sharing Exp. (i.e. 50:50 100% etc.)	Sixth Plan Outlay 1980-85	1980-81 Actual Exp.	1981-82 Actual Exp.	1982-83 Actual Exp.	1983-84		1984-85 Proposed Outlay
						Outlay	Anticipated Expenditure	
1	2	3	4	5	6	7	8	9
CS 5 Post-matric scholarships to Sch. Caste students ..	(100%)	42.50	7.12	33.42	31.50	38.50	38.50	38.50
CS 6 Research and Training— Research and Monitoring Cell ..	(50 : 50)	—	—	—	—	—	—	0.50
Total ..		262.15	105.87	133.26	131.50	92.00	92.00	95.00
<b>XVI. Social Welfare—</b>								
CS 1 Functional Literacy ..	(100%)	76.11	2.63	5.60	8.99	50.00	50.00	56.00
CS 2 Services for children in need of care and protection ..	(50 : 50)	8.00	0.20	0.32	0.21	3.00	3.00	1.00
Total ..		84.11	2.83	5.92	9.20	53.00	53.00	57.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP-I

## New 20-Point Programme—Plan Outlays and Expenditure

(Rs in lakhs)

Point No.	Name of the Scheme/Programme	Sixth	1980-81	1981-82	1982-83	1983-84		1984-85
		Five-year Plan 1980-85 Approved Outlay	Actual Expenditure	Actual Expenditure	Actual Expenditure	Outlay	Anticipated Expenditure	Proposed Outlay
1	2	3	4	5	6	7	8	9
<b>1. Increase irrigation potential, develop and disseminate technologies and inputs for dry land agriculture</b>								
(i)	Multipurpose Projects ..	14044.00	1959.53	2136.29	2191.51	1080.00	1080.00	1307.00
(ii)	Major and Medium Irrigation ..	18685.00	1979.36	2581.64	2192.08	3240.00	3240.00	3295.00
(iii)	CAD (Lining of Water Courses) ..	3881.00	582.00	605.00	730.00	580.00	580.00	575.00
(iv)	Minor Irrigation ..	749.00	181.79	170.35	111.43	250.00	250.00	263.00
	<b>Total—I</b> ..	<b>37359.00</b>	<b>4702.68</b>	<b>5493.28</b>	<b>5225.02</b>	<b>5150.00</b>	<b>5150.00</b>	<b>5440.00</b>
<b>Centrally Sponsored Schemes</b>								
CS 2	Strengthening of ground water/surface water (Minor Irrigation) Organisation (Agriculture Department) ..	50.00	6.39	7.19	3.18	15.00	8.70	18.00
CS 3	Strengthening of ground water/surface water (Minor irrigation) Organisation (Punjab State Tubewell Corporation)..	15.00	3.00	3.00	—	3.00	3.00	4.00
	<b>Total—II</b> ..	<b>65.00</b>	<b>9.39</b>	<b>10.19</b>	<b>3.18</b>	<b>18.00</b>	<b>11.70</b>	<b>22.00</b>
	<b>Total Point I</b> ..	<b>37424.00</b>	<b>4712.07</b>	<b>5503.47</b>	<b>5228.20</b>	<b>5168.00</b>	<b>5161.70</b>	<b>5462.00</b>
<b>2. Make special efforts to increase production of pulses and vegetable oilseeds</b>								
A(P)10.4	Intensive Oilseeds Development Programme (Sharing basis) ..	25.00	2.18	2.75	2.95	5.00	5.00	9.00
A(P) 10.5	Intensive Pulses Development Programme (sharing basis) ..	20.00	0.86	2.66	2.20	5.50	5.50	5.00
	<b>Total-I</b> ..	<b>45.00</b>	<b>3.04</b>	<b>5.41</b>	<b>5.15</b>	<b>10.50</b>	<b>10.50</b>	<b>14.00</b>
<b>Centrally Sponsored Schemes</b>								
CS 4	Intensive Oilseeds Development Programme	80.00	11.05	13.15	12.15	25.20	25.20	32.40
CS 5	Intensive Pulses Development Programme	35.00	4.81	5.36	2.66	9.50	9.50	7.00
	<b>Total—II</b> ..	<b>115.00</b>	<b>15.86</b>	<b>18.51</b>	<b>14.81</b>	<b>34.70</b>	<b>34.70</b>	<b>39.40</b>
	<b>Total Point 2</b> ..	<b>160.00</b>	<b>18.90</b>	<b>23.92</b>	<b>19.96</b>	<b>45.20</b>	<b>45.20</b>	<b>53.40</b>
<b>3. Strengthen and expand coverage of integrated Rural Development and National Rural Employment Programme</b>								
<b>Integrated Rural Development Programme</b>								
CD 4.1	Assistance to Rural Development Agencies	1975.00	323.83	339.75	546.61	472.00	472.00	472.00
CD 4.3	Interest Subsidy on loans to be advanced to the Economically weaker sections under IRD in rural areas ..	—	—	12.50	12.50	100.00	100.00	200.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPPI

## New 20-Point Programme—Plan Outlays and Expenditure

(Rs. in lakhs)

Sl. No.	Name of the Scheme/Programme	Sixth	1980-81	1981-82	1982-83	1983-84		1984-85
		Five-Year Plan 1980-85 Approved Outlay	Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Anticipated Expendi- ture	Proposed Outlay
		3	4	5	6	7	8	9
4.4	Strengthening of infrastructures under TRYSEM ..	—	—	—	—	5.00	5.00	2.00
	National Rural Employment Programme	1625.00	—	226.80	230.12	360.00	360.00	360.00
5.3	Assistance to small marginal farmers and Agricultural labourers for rearing of cross-bred heifers ..	—	12.08	12.41	20.24	—	20.45	21.37
5.5	Implementation of Poultry, Piggery and Sheep production Programme through small marginal farmers and Agriculture labourers ..	—	7.97	1.67	6.34	—	11.86	7.81
	<b>Total—I</b> ..	<b>3600.00</b>	<b>343.88</b>	<b>593.13</b>	<b>815.81</b>	<b>937.00</b>	<b>969.31</b>	<b>1063.18</b>
	<b>Centrally Sponsored Schemes</b>							
1	Assistance to Rural Development Agencies	1975.00	323.83	339.75	546.61	472.00	472.00	472.00
2	National Rural Employment Programme	1625.00	—	252.00	230.12	360.00	360.00	360.00
3	Assistance to Small/Marginal farmers and Agriculture labourers for rearing of cross bred heifers ..	72.00	12.08	12.41	20.24	20.45	20.45	21.37
4	Implementation of Poultry Piggery, and Sheep production programme through Small/Marginal farmers and Agricultural labourers ..	70.00	7.97	1.67	6.34	11.86	11.86	7.81
5	Kandi Watershed and Area Development Project ..	406.30	2.94	23.26	27.81	57.00	57.00	45.00
	<b>Total-II</b> ..	<b>4148.30</b>	<b>346.82</b>	<b>629.09</b>	<b>831.12</b>	<b>921.31</b>	<b>921.31</b>	<b>906.18</b>
	<b>Total Point-3</b> ..	<b>7748.30</b>	<b>690.70</b>	<b>1222.22</b>	<b>1646.93</b>	<b>1858.31</b>	<b>1890.62</b>	<b>1969.36</b>
5	<b>Review and effectively enforce minimum wages for agricultural labour</b>							
W.1	Strengthening of enforcement machinery for Minimum Wages Act, 1948 ..	8.27	—	1.17	1.63	2.50	2.50	3.00
W.1	Setting up of enforcement machinery for welfare of agricultural labour ..	3.43	—	0.50	2.82	3.00	3.00	3.50
	<b>Total Point 5</b> ..	<b>11.70</b>	<b>—</b>	<b>1.67</b>	<b>4.45</b>	<b>5.50</b>	<b>5.50</b>	<b>6.50</b>
7.	<b>Accelerate Programmes for the development of Scheduled Castes and Tribes.</b>							
C 1	Pre-matric coaching to students. ..	103.75	9.89	3.92	—	—	—	5.00
C 2	Grant for the purchase of Stationery & books. ..	238.28	22.00	40.00	45.00	60.00	60.00	80.00
C 3	(a) Grant for the purchase of medical and engineering books (State Share)	10.00	2.10	1.09	—	2.00	2.00	2.00
	(b) Grant for the purchase of Law books	2.90	—	0.75	0.55	0.60	0.60	0.60
3C 4	Training in Stenography. ..	12.20	—	1.20	1.25	2.00	2.00	3.00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT TPPI**  
**New 20-Point Programme—Plan Outlays and Expenditure.**

Point No.	Name of the Scheme/Programme	Sixth Five-Year Plan 1980-85 Approved Outlay	(Rs. in lakhs)					
			1980-81 Actual Expenditure	1981-82 Actual Expenditure	1982-83 Actual Expenditure	1983-84		
1	2	3	4	5	6	7 Outlay	8 Anticipated Expenditure	9
SC 1-5	Technical training in industrial trades ..	94.53	8.70	7.44	7.76	15.00	15.00	9
SC 1-6	B.Ed. & J.B.T. training to scheduled castes Graduates and Matriculates ..	61.05	1.18	—	—	—	—	00
SC 1-7	Grant to scheduled castes girls students studying in post-matric and post-Graduate classes	72.00	7.24	9.76	5.45	13.00	13.00	00
SC 1-8	I.A.S. coaching centre, (State share) ..	9.10	1.50	1.50	1.50	1.50	1.50	00
SC 1-9	Girls hostels (State Share) ..	4.55	0.75	0.75	—	1.00	1.00	00
SC 1-10	Imparting of Industrial training to scheduled castes women ..	72.15	—	0.23	5.20	3.00	3.00	00
SC 1-11	Grant to scheduled castes students studying in medical and engineering colleges ..	—	—	—	—	14.40	14.40	00
SC 1-12	Package of educational assistance to children of sweepers, scavengers, flayers and tanners ..	—	—	—	—	25.00	25.00	00
SC 1-13	Awards for brilliant scheduled castes students ..	—	—	—	—	—	—	00
SC 2-1	Subsidy for the purchase of :—							00
	(a) Agricultural Land ..	61.00	5.00	5.45	2.65	10.00	10.00	00
	(b) Houses/Wells ..	12.20	1.00	1.09	0.53	2.00	2.00	00
	(c) Stamp duty ..	2.50	0.18	0.20	0.09	0.40	0.40	00
SC 2-2	Punjab Backward Classes Land Development and Finance Corporation-Share Capital	80.00	120.00	20.00	1.00	20.00	20.00	00
SC 2-3	Punjab Scheduled Castes Land Development and Finance Corporation Share capital (State share) ..	204.00	102.00	102.00	102.00	51.00	51.00	00
SC 2-4	Interest subsidy for							00
	(a) Scheduled Castes ..	574.65	45.00	45.00	45.00	50.00	50.00	00
	(b) Backward Classes ..	190.60	15.00	15.00	20.00	20.00	20.00	00
SC 2-5	Issue of yellow cards ..	—	—	18.03	—	1.00	1.00	00
SC 3-1	Legal aid ..	1.50	0.04	0.04	0.05	0.10	0.10	00
SC 3-2	Construction of dharamshalas/ chaupals ..	258.30	30.00	30.00	39.68	10.00	10.00	00
SC 3-3	Environmental improvement of harijan basties including drinking water units ..	658.39	70.00	95.00	111.05	149.00	149.00	00
SC 3-4	Grants to sweepers, scavengers, flayers and tanners for construction of houses ..	170.90	28.00	28.00	29.12	40.00	40.00	04
SC 3-5	Assistance to scheduled castes for development of manurial pits ..	150.00	3.53	20.00	18.00	25.00	25.00	01
SC 3-6	Supply of nutritive food to children belonging to Scheduled Castes Balwadies ...	70.00	—	—	—	—	—	00

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT TPPI**  
**New 20-Point Programme—Plan Outlays and Expenditure**

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Outlay	Anticipated Expenditure	Proposed Outlay
1	2	3	4	5	6	7	8	9
SC 4.1	Grants to Vimukat Jaties for construction of houses ..	85.45	14.00	14.00	13.76	24.00	24.00	24.00
SC 4.2	Research and Training-Research and Monitoring Cell ..	—	—	—	—	—	—	0.50
	<b>Total I</b> ..	<b>3200.00</b>	<b>487.11</b>	<b>460.45</b>	<b>449.64</b>	<b>540.00</b>	<b>540.00</b>	<b>640.00</b>
	<b>Centrally Sponsored Schemes</b>							
CS 1	Grant for the purchase of medical and engineering books ..	10.00	—	1.09	2.00	2.00	2.00	2.00
CS 2	I.A.S. coaching centre ..	9.10	—	—	—	1.50	1.50	4.00
CS 3	Girls Hostels ..	4.55	0.75	0.75	—	1.00	1.00	1.00
CS 4	Share assistance to Punjab scheduled castes Land Development & Finance Corporation (49 per cent) ..	196.00	98.00	98.00	98.00	49.00	49.00	49.00
CS 5	Post-matric scholarships to scheduled caste students ..	42.50	7.12	33.42	31.50	38.50	38.50	38.50
	Special Central assistance to Scheduled Castes ..	—	—	356.89	..	487.50	487.50	..
CS 6	Research and Training Research and Monitoring cell ..	—	—	—	—	—	—	0.50
	<b>Total : II</b> ..	<b>262.15</b>	<b>105.87</b>	<b>490.15</b>	<b>131.50</b>	<b>579.50</b>	<b>579.50</b>	<b>95.00</b>
	<b>Total Point 7</b> ..	<b>3462.15</b>	<b>592.98</b>	<b>950.60</b>	<b>581.14</b>	<b>1119.50</b>	<b>1119.50</b>	<b>735.00</b>
	<b>8. Supply drinking water to all problem villages</b>							
RWS-I	Rural Water Supply ..	6800.00	337.14	427.58	377.83	800.00	800.00	1000.00
	<b>Total I</b> ..	<b>6800.00</b>	<b>337.14</b>	<b>427.58</b>	<b>377.83</b>	<b>800.00</b>	<b>800.00</b>	<b>1000.00</b>
	<b>Centrally Sponsored Scheme</b>							
CS	Accelerated Rural Water Supply Programme ..	458.50	46.12	170.61	85.55	80.00	393.13	150.00
	<b>Total II</b> ..	<b>458.50</b>	<b>46.12</b>	<b>170.61</b>	<b>85.55</b>	<b>80.00</b>	<b>393.13</b>	<b>150.00</b>
	<b>Total Point 8</b> ..	<b>7258.50</b>	<b>383.26</b>	<b>598.19</b>	<b>463.38</b>	<b>880.00</b>	<b>1193.13</b>	<b>1150.00</b>
	<b>9. Allot house sites to rural families who are without them and expand programmes for construction assistance to them</b>							
HG 2.2	Houses for Rural Homeless ..	1200.00	170.00	285.00	285.00	311.00	311.00	156.37
	<b>Total Point 9</b> ..	<b>1200.00</b>	<b>170.00</b>	<b>285.00</b>	<b>285.00</b>	<b>311.00</b>	<b>311.00</b>	<b>156.37</b>
	<b>10. Improve the environmental of slums, implement programmes of house building for economically weaker sections and take measures to arrest unwarranted increase in land prices</b>							
UD 6	Environmental improvement of slums ..	500.00	19.00	80.00	80.00	80.00	80.00	141.00

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPPI

## New 20-Point Programme—Plan Outlays and Expenditure

(Rs in lakhs)

Point No.	Name of the Scheme/ Programme	Sixth Five year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Antici- pated expendi- ture	Proposed Outlay
1	2	3	4	5	6	7	8	9
HG 2.1	Subsidised industrial housing ..	50.00	2.00	5.81	0.55	11.00	11.00	15.00
HG 2.3	Loans for low-income groups ..	300.00	65.00	65.00	1.35	10.00	10.00	80.00
HG 2.7	Village Housing Project ..	170.00	62.00	70.00	—	10.00	10.00	50.00
HG 3.1	Contribution to Housing Board ..	250.00	70.00	20.00	10.00	80.00	80.00	100.00
CN 3.1	Share capital contribution to Housing Societies/Housing Federation Margin Money ..	25.00	5.00	5.00	10.00	10.00	10.00	10.00
	<b>Total Point 10 ..</b>	<b>1295.00</b>	<b>223.00</b>	<b>245.81</b>	<b>101.90</b>	<b>201.00</b>	<b>201.00</b>	<b>396.00</b>
<b>11. Maximise power generation, improve the functioning of electricity authorities and electrify all villages</b>								
	(i) Power Generation ..	42060.00	5005.13	8453.66	15495.94	16310.00	16310.00	16280.00
	(ii) Transmission and Distribution ..	23500.00	3536.40	4113.71	3761.00	4300.00	4300.00	4800.00
	(iii) Rural Electrification ..	7134.00	1745.69	1383.81	729.00	690.00	690.00	200.00
	(iv) Power Development ..	600.00	22.83	15.03	44.00	—	—	241.00
	<b>Total I ..</b>	<b>73294.00</b>	<b>10310.05</b>	<b>13966.21</b>	<b>20029.94</b>	<b>21300.00</b>	<b>21300.00</b>	<b>21521.00</b>
<b>Centrally sponsored scheme</b>								
CS 220K.V.	Dasuya Switching Sub-Station ..	—	120.95	67.61	54.49	44.00	0.50	25.21
	<b>Total Point 11 ..</b>	<b>73294.00</b>	<b>10431.00</b>	<b>14033.82</b>	<b>20084.43</b>	<b>21344.00</b>	<b>21300.50</b>	<b>21546.21</b>
<b>12. Pursue vigorously programmes of afforestation, social and farm forestry and the development of biogas and other alternative energy sources</b>								
FT 3.1	Raising of industrial plantation on community lands ..	170.00	69.00	28.80	8.00	8.00	8.00	5.00
FT 3.2	Social forestry including rural fuel wood plantations (sharing basis) ..	100.00	—	34.92	39.95	90.00	90.00	90.00
FT 3.3	Plantation of Sissoo Babul, Eucalyptus, Chil Poplar etc. ..	410.00	124.00	70.00	89.99	190.00	190.00	190.00
FT 3.4	Soil Water and Tree conservation in Himalayas ..	110.00	9.95	25.00	—	—	—	—
FT 3.6	Environmental Forestry ..	20.00	—	5.00	5.00	5.00	5.00	—
FT 3.7	Farm Forestry ..	160.00	27.00	5.81	70.99	70.00	70.00	120.00
SC (F) 4.1	Soil and Water Conservation on Water shed basis ..	32.00	3.22	8.36	8.00	8.66	8.66	11.66
SC (F) 4.2	Kandi Water shed and Area Development Project (Forest Part) ..	611.00	16.24	67.25	126.17	237.00	237.00	245.34
	<b>Total I ..</b>	<b>1613.00</b>	<b>249.41</b>	<b>245.14</b>	<b>348.10</b>	<b>608.66</b>	<b>608.66</b>	<b>662.00</b>

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP-I

## New 20-Point Programme—Plan Outlays and Expenditure

(Rs in lakhs)

Point No	Name of the Scheme/ Programme	Sixth Five year Plan 1980—85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Antici- pated Expendi- ture	Proposed Outlay
1	2	3	4	5	6	7	8	9
<b>Centrally Sponsored Schemes</b>								
Cs <sup>1</sup>	Social forestry including rural fuel-wood plantations ..	100.00	—	34.92	39.94	45.00	45.00	50.00
Cs <sup>2</sup>	Soil water and tree conservaton in Himalayas ..	110.00	9.95	25.00	50.00	50.00	50.00	50.00
	Total II ..	210.00	9.95	59.92	89.94	95.00	95.00	100.00
	Total-I+II ..	1823.00	259.36	305.06	438.04	703.66	703.66	762.00
<b>Development of Bio-gas</b>								
A) 17.1	Creation of Bio-gas Cell and installa- tion of Bio-gas Plants Gober Gas Plants ..	30.00	4.00	10.00	14.98	4.00	4.00	5.00
	Total III ..	30.00	4.00	10.00	14.98	4.00	4.00	5.00
<b>Centrally Sponsored Scheme</b>								
( 10	Creation of Bio-gas Cell ..	—	—	—	44.48	91.60	91.60	87.40
	Tot I IV ..	—	—	—	44.48	91.60	91.60	87.40
	Total III+IV ..	30.00	4.00	10.00	59.46	95.60	95.60	92.40
	Total Point 12 ..	1853.00	263.36	315.06	497.50	799.26	799.26	854.40
<b>13 : Promote Family Planning on a voluntary basis as a people's movement</b>								
PH5.11	Grant of additional incentives compen- sation out of State funds to acceptors of sterilisation ..	—	—	31.84	61.64	51.00	51.00	65.00
PH5.13	Pay of Dai's ..	—	—	—	7.50	11.00	11.00	12.00
	Total I ..	—	—	31.84	69.14	62.00	62.00	77.00
<b>Centrally Sponsored Scheme :</b>								
	Family Welfare Programme ..	2092.96	337.45	531.98	630.12	764.49	561.37	1211.12
	Total II ..	2092.96	337.45	531.98	630.12	764.49	561.37	1211.12
	Total Point 13 ..	2092.96	337.45	563.82	699.26	826.49	623.37	1288.12
<b>14 : Substantially augment universal Primary Health care facilities and control of Leprosy, T.B. and Blindness</b>								
PH 1.1	Completion and improvement of Pri- mary Health Centres ..	48.00	25.94	9.35	9.22	10.50	10.50	32.50
PH 1.2	Completion and improvement of sub- centres ..	273.00	—	20.91	8.86	11.25	11.25	12.00
PH 1.3	(i) Opening for Subsidiary Health Cen- tres in Rural Areas ..	995.00	217.71	242.87	295.35	390.35	390.35	490.00

## DRAFT ANNUAL PLAN 1984-85

STATEMENT TPPI  
New 20-Point Programme—Plan Outlays and Expenditure

(Rs. in Lakhs)

Point No.	Name of the Scheme/ Programme	Sixth Five year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1948 Pr COP titla
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Anticipated Expenditure	
1	2	3	4	5	6	7	8	9
	(ii) Provision for construction of staff quarters at subsidiary health centres through Punjab Housing Development Board ..	—	—	—	—	27.00	27.00	—
	(iii) Completion of ongoing work on 21 subsidiary health centres ..	—	—	—	—	20.00	20.00	—
PH 3.1	Opening of new dispensaries in slum areas/suitable urban places ..	50.00	4.67	9.04	13.23	13.50	13.50	5.00
PH 4.6	Training and employment of Multipurpose workers scheme (State Share) ..	60.00	13.43	2.31	4.64	8.50	8.50	1.50
MD 5.1	Augmentation of training facilities for para medical staff ..	25.00	0.08	0.45	0.89	4.00	4.00	0.00
PH 6.1	E.S.I. Schemes ..	62.00	6.40	9.09	9.80	13.50	13.50	1.75
AY 1.1	Strengthening of existing I.S.M. dispensaries ..	32.89	4.50	5.30	0.45	1.35	1.35	0.00
AY 1.2	Opening of I.S.M. dispensaries ..	107.40	12.09	19.81	26.60	21.00	21.00	2.00
HM 1.2	Opening of Homoeopathy dispensaries ..	32.45	2.06	5.54	6.17	9.00	9.00	1.50
PH 4.1	National Malaria Eradication Programme (Rural) ..	605.30	111.48	85.15	149.74	130.00	130.00	20.00
PH 4.2	National Malaria Eradication Programme (Antilarvel) ..	77.20	14.16	15.30	15.89	18.00	18.00	3.00
PH 4.3	National T.B. Control Programme ..	58.00	3.60	3.05	4.83	7.00	7.00	0.00
	<b>Total I</b> ..	<b>2426.24</b>	<b>416.12</b>	<b>428.17</b>	<b>545.67</b>	<b>684.95</b>	<b>684.95</b>	<b>86.75</b>
	<b>Centrally Sponsored Schemes</b>							
CS 1	Visual impairment and prevention of blindness ..	20.00	1.15	4.28	4.94	8.00	8.00	1.00
CS 2	National Malaria Eradication Programme (Rural) ..	605.30	111.48	85.15	149.74	130.00	130.00	20.00
CS 3	National Malaria Eradication Programme (Anti Larvel) ..	77.20	14.16	15.30	15.89	18.00	18.00	3.00
CS 4	National T.B. Control Programme ..	58.00	1.39	3.05	4.83	7.00	7.00	7.00
CS 5	National Leprosy Control Programme ..	8.00	0.17	0.81	1.11	2.50	1.52	4.50
CS 6	National Programme for Control of visual impairment and blindness including Trachoma ..	45.00	—	—	0.96	—	12.00	15.00
CS 7	Training of employment of multipurpose workers schemes ..	60.00	13.43	2.31	1.64	8.50	8.50	8.00
CS 12	Community Health Guides ..	477.40	—	—	15.44	125.71	125.71	59.00
	<b>Total II</b> ..	<b>1350.90</b>	<b>141.78</b>	<b>110.90</b>	<b>194.55</b>	<b>299.71</b>	<b>310.73</b>	<b>138.00</b>
	<b>Total Point 14</b> ..	<b>3777.14</b>	<b>607.90</b>	<b>539.07</b>	<b>740.22</b>	<b>984.66</b>	<b>995.68</b>	<b>106.00</b>



ANNUAL PLAN 1984-85  
STATEMENT TPP I  
New 20-Point Programme—Plan Outlays and Expenditure

(Rs. in lakhs)

Point No.	Name of the Scheme/ Programme	Sixth Five year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Ancicipated Expendi- ture	Proposed Outlay
1	2	3	4	5	6	7	8	9
<b>15. Accelerate Programmes of welfare of women and children and nutrition programmes for pregnant women, nursing mothers and children specially in tribal hill and backward areas</b>								
CP 2.2	Promotion and strengthening of Mahila Mandals ..	40.00	8.00	7.90	7.18	19.80	19.80	8.12
CP 3.2	Composit Programme for women and pre-school children strengthening of craft centres ..	27.50	5.50	5.50	5.04	5.50	5.50	30.50
SW 2.1	Assistance to dependent children ..	123.00	12.86	18.45	19.45	25.00	25.00	30.00
SW 2.2	Construction of certified schools ..	31.20	3.80	2.60	4.02	5.00	5.00	5.00
SW 2.4	Services of children in need of care and protection ..	8.00	0.20	0.32	0.22	3.00	3.00	1.00
SW 3.1	Assistance to widows and destitute women ..	195.00	20.60	33.29	35.40	44.13	44.13	100.00
SW 3.2	Home for widows and destitute women ..	4.00	0.15	0.18	0.21	0.70	0.70	0.39
SW 6.1	Share capital to Punjab Women and Children Development Corporation ..	80.00	20.00	15.00	—	24.00	24.00	30.00
SW 6.2	Interest Subsidy to PUNWAC ..	—	—	—	10.00	1.00	1.00	2.00
	Special Nutrition Programme ..	80.00	10.56	15.64	8.74	76.00	76.00	100.00
	<b>Total I</b> ..	<b>588.70</b>	<b>81.67</b>	<b>98.88</b>	<b>90.26</b>	<b>204.13</b>	<b>204.13</b>	<b>307.01</b>
<b>Centrally Sponsored Schemes</b>								
CS 2	Functional Literacy ..	76.11	2.63	5.60	8.99	50.00	50.00	56.00
CS 1	Services of children in need of care and protection ..	8.00	0.20	0.32	0.21	3.00	3.00	1.00
	<b>Total II</b> ..	<b>84.11</b>	<b>2.83</b>	<b>5.92</b>	<b>9.20</b>	<b>53.00</b>	<b>53.00</b>	<b>57.00</b>
	<b>Total Point : 15</b> ..	<b>672.81</b>	<b>83.96</b>	<b>104.80</b>	<b>99.46</b>	<b>257.13</b>	<b>257.13</b>	<b>364.01</b>
<b>16 Spread universal elementary education for the age-group 6-14 with special emphasis on girls and simultaneously involve students and voluntary agencies in programme for the removal of adult illiteracy :</b>								
	Facilities for children in age-group (6—11)	726.00	67.86	109.45	113.43	120.00	120.00	175.55
	Facilities for children in age-group (11—14)	1386.05	144.24	244.53	302.10	374.70	374.70	454.38
	Adult Education ..	100.00	—	—	—	10.00	10.00	10.00
	<b>Total I</b> ..	<b>2212.05</b>	<b>212.10</b>	<b>353.98</b>	<b>415.53</b>	<b>504.70</b>	<b>504.70</b>	<b>639.93</b>

ANNUAL PLAN 1984-85  
STATEMENT TPP 1

New 20—Point Programme—Plan Outlays and Expenditure

(Rs. in lakhs)

Point No.	Name of the Scheme/ Programme	Sixth Five-Year Plan 1980—85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Anticipated Expendi- ture	Proposed Outlay
1	2	3	4	5	6	7	8	9
<b>Centrally Sponsored Scheme</b>								
	Creation of administrative structure for adult education at State Level ..	17.50	—	—	—	3.50	3.50	3.50
	Total II ..	17.50	—	—	—	3.50	3.50	3.50
	Total Point 16 ..	2229.55	212.10	353.98	415.53	508.20	508.20	643.43
17	<b>Expand the Public distribution system through more fair price shops including mobile shops in far flung areas in shops to cater to Industrial workers, Student's hostels and make available to students text-books and exercise books on a priority basis and to promote a strong Consumers Protection Movement</b>							
CN 10.1	Contribution to share capital of Central Consumer Stores and State Cop. Consumers Federation ..	20.00	10.00	4.00	3.40	4.00	4.00	4.00
DM 4.1	Supply of subsidised milk to the weaker sections of the society ..	25.00	5.00	5.00	5.00	5.00	5.00	5.00
ED 16.2	Promotion of regional languages Punjab State University Text Book Board ..	44.62	5.90	6.04	7.21	9.76	9.76	9.76
	Total I ..	89.62	20.90	15.04	15.61	18.76	18.76	18.76
<b>Centrally Sponsored Schemes</b>								
CS 3	Assistance for distribution of consumer articles in rural areas ..	414.58	15.93	30.25	10.33	20.00	10.00	20.00
CS 11	Promotion of regional languages Punjab State University Text Book Board ..	60.65	5.52	4.62	—	24.86	24.86	24.86
	Total II ..	475.23	21.45	34.87	10.33	44.86	34.86	44.86
	Total Point 17 ..	564.85	42.35	49.91	25.94	63.62	53.62	63.62
18.	<b>Liberalise investment procedures and streamline industrial policies to ensure timely completion of projects. Give Handicrafts, Handlooms, Small &amp; Village Industries all facilities to grow and to up-date their technology</b>							
■N 9.1	Participation in the share capital of industrial Co-operatives including Federation and Unions ..	25.00	5.00	5.00	5.00	5.00	5.00	5.00
CN 9.2	Participation in the share capital of Apex Handloom & Primary Handloom Weavers Co-operative Societies ..	44.00	6.35	9.00	9.00	10.00	10.00	10.00
CN 9.3	Managerial subsidy to Industrial Co-operatives including Handlooms & Primary Handloom Weavers Co-operative Societies ..	7.00	1.35	1.50	1.50	1.50	1.50	1.50
CN 9.4	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	0.70	1.25	0.40	0.50	0.50	0.28
CN 9.5	Subsidy to Punjab State Apex Handloom Co-operative Societies for rebate on cloth sale/managerial expenses ..	15.00	1.70	2.50	2.24	2.50	2.50	2.50
CN 9.8	Subsidy to Industrial Co-operatives for employing craft teachers ..	4.25	1.25	1.00	1.00	0.50	0.50	0.50
CN 9.7	Financial assistance to Punjab State Apex Handloom Co-operative Societies for setting up of processing units ..	50.00	7.60	10.00	1.25	10.00	10.00	9.41

**Draft Annual Plan 1984—85**  
**STATEMENT TPP 1**  
**New 20 Point Programme—Plan Outlays and Expenditure**

(Rs. in lakhs)

Point No.	Name of the Scheme/ Programme	Sixth Five-Year Plan 1980—85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expendi- ture	Actual Expendi- ture	Actual Expendi- ture	Outlay	Antici- pated Expendi- ture	Proposed Outlay
1	2	3	4	5	6	7	8	9
IN 1.1	Industrial Promotion Cell	.. 10.00	—	2.35	1.85	2.00	2.00	3.60
IN 2.4	Tool Room at Ludhiana	.. 22.00	24.82	11.17	4.14	0.10	0.10	5.00
IN 2.5	Sewing Machine Development Centre at Ludhiana	.. 60.00	—	14.60	9.31	25.00	25.00	20.00
IN 2.6	Handtool Design Institute, Jullundur	.. 22.00	7.80	5.03	7.97	8.00	8.00	0.10
IN 2.10	Modernisation of Small Scale Industries	40.00	6.94	1.96	0.49	0.50	0.50	5.00
IN 2.11	Setting up of Research & Development Centre for bicycle	.. 80.00	—	15.67	8.11	25.00	25.00	30.00
IN 2.13	District Industries Centres	.. 250.00	15.20	38.33	36.34	50.00	50.00	50.00
IN 2.19	Marketing Assistance Programme							
	(i) Export Award	.. 2.30	0.30	0.50	0.10	0.50	0.50	0.50
	(ii) Participation in Industrial Fairs	.. 21.00	1.50	3.00	0.52	1.50	1.50	6.50
	(iii) Trade Centres	.. 16.00	—	—	—	—	—	0.50
	(iv) Export Assistance including aid for registration with Export Promotion Council	.. 3.20	1.50	0.50	0.50	—	—	—
	(v) Dissemination of Quality Control	4.00	—	—	—	—	—	—
IN 2.24	Incentives for installation of effluent treatment plant	.. 25.00	—	0.09	0.02	—	—	—
IN 3.1	Handloom Textile Industries							
	(i) Programme for the Handloom Industries	.. 12.00	—	3.00	2.55	3.00	3.00	3.00
	(ii) Installation of Jacquard machines	2.50	2.50	—	—	—	—	—
	(iii) Interest Free Loan for margin money	.. 0.50	0.50	—	—	—	—	—
	(iv) Training of weavers	.. 2.50	0.50	0.50	0.32	0.50	0.50	0.50
	(v) Rebate on sale of Cotton Cloth	.. 18.00	2.00	4.00	1.51	4.00	4.00	6.00
	(vi) Training-cum-Production Centre in Sub-mountain Areas	.. 12.50	1.76	2.19	1.83	2.50	2.50	2.00
	(vii) Construction of workshed for weavers	.. 2.00	2.00	—	—	—	—	—
	(viii) Special Training scheme for weavers	.. —	—	20.00	—	—	—	—
IN 3.2	Punjab State Handloom & Textile Development Corporation	.. 100.00	9.00	25.00	135.00	75.00	75.00	1.00
IN 3.3	Punjab State Hosiery & Knitwear Development Corporation	.. 125.00	16.00	23.00	15.00	25.00	25.00	80.00
IN 4.1	Integrated Rural Development Programme	175.00	29.17	25.00	3.52	28.80	28.80	—

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT TPP 1**  
**New 20 Point Programme—Plan Outlays and Expenditure**

(Rs. in lakhs)

Point No.	Name of the Scheme/Programme	Sixth Five-Year Plan 1980-85 Approved Outlay	1980-81	1981-82	1982-83	1983-84		1984-85
			Actual Expenditure	Actual Expenditure	Actual Expenditure	Outlay	Anticipated Expenditure	Proposed Outlay
1	2	3	4	5	6	7	8	9
IN 4.2	Punjab State Leather Development Corporation ..	200.00	21.00	27.90	8.00	20.00	20.00	50.00
IN 8.1	Punjab Financial Corporation ..	100.00	10.00	15.00	30.00	100.00	100.00	10.00
IN 11.1	Focal Growth Points-Incentives to New Industries							
	(iii) Interest Free Loan ..	1015.00	179.68	175.00	55.52	270.00	270.00	600.00
	(vii) Re-imbursement of Octroi/Terminal tax ..	35.00	0.50	5.00	5.00	10.00	10.00	20.00
	(ix) Feasibility Reports ..	8.00	0.34	0.60	—	1.00	1.00	1.00
	(x) Subsidy on electricity tariff to Power based industries ..	49.50	61.50	14.40	28.65	40.00	40.00	42.00
IN 11.2	Outright Subsidy ..	225.00	30.00	27.28	49.88	215.00	215.00	300.00
	<b>Total I</b> ..	<b>2793.25</b>	<b>448.46</b>	<b>491.32</b>	<b>426.52</b>	<b>937.40</b>	<b>937.40</b>	<b>1265.89</b>
<b>Centrally Sponsored Schemes—Co-operation</b>								
CS 4	Margin Money as share capital contribution to Punjab Handloom Weavers Apex. Co-operative Societies for setting up of show rooms-cum-sale centres ..	5.40	3.00	0.90	0.90	0.90	0.90	3.98
CS 10	Managerial subsidy to Handloom Apex/Primary Societies ..	25.35	1.24	1.39	1.50	1.50	1.50	1.50
CS 11	Share capital contribution to co-operative Handloom Apex Society and Primary Societies as equity base ..	60.00	6.00	12.00	9.00	10.00	10.00	10.00
CS 13	Assistance to Handloom Apex/Primary Societies as sales subsidy rebate ..	10.00	1.00	1.50	1.24	3.00	3.00	2.50
CS 15	Assistance as loan and share capital for setting up processing units by Handloom Apex ..	108.00	—	27.00	14.00	88.30	88.30	9.85
	<b>Total II</b> ..	<b>208.75</b>	<b>11.24</b>	<b>42.79</b>	<b>26.64</b>	<b>103.70</b>	<b>103.70</b>	<b>27.83</b>
<b>Centrally Sponsored Schemes—Industry</b>								
CS 1	10-15% Central Investment Subsidy ..	550.00	60.00	60.00	30.31	60.00	60.00	60.00
CS 2	Engineer Entrepreneurs Training Programme (Interest Subsidy) ..	10.00	0.76	1.25	0.07	2.00	2.00	2.00
CS 3	Rebate on sale of Handloom Cotton Cloth ..	—	—	—	—	4.00	4.00	6.00
	<b>Total III</b> ..	<b>560.00</b>	<b>60.76</b>	<b>61.25</b>	<b>30.38</b>	<b>66.00</b>	<b>66.00</b>	<b>68.00</b>
	<b>Total Point : 18</b> ..	<b>3562.00</b>	<b>520.46</b>	<b>595.36</b>	<b>483.54</b>	<b>1107.10</b>	<b>1107.10</b>	<b>1361.72</b>
<b>Total 20-Point Programme</b>								
	(i) State Plan ..	136557.56	18009.56	23152.91	29220.55	32279.60	32311.91	34080.39
	(ii) Centrally Sponsored Schemes ..	10048.40	1230.47	2233.79	2156.29	3199.37	3260.60	3275.82
	<b>Grand Total</b> ..	<b>146605.96</b>	<b>19240.03</b>	<b>25386.70</b>	<b>31376.84</b>	<b>35478.97</b>	<b>35572.51</b>	<b>37356.21</b>

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP—II

## Now 20 Point Programme—Physical Targets and Achievements of Plan Outlay

Point No.	Name of the Programme/ Scheme	Unit	Base Level 1979-80	Sixth Plan 1980-85 Terminal year Target	1980-81	1981-82	1982-83	1983-84	1984-85	
					Achievement	Achievement	Achievement	Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9	10	11
<b>1.</b>	<b>Increase irrigation potential, develop and disseminate technologies and inputs for dry land agriculture</b>									
	(a) Major and Medium Irrigation	(Potential '000 Hects.)	430.000	653.850	12.000	42.000	31.700	31.000	31.000	26.000
	(b) Lining of Water Courses	(Potential '000 Hects.)	39.160	121.600	16.451	16.051	19.840	20.800	20.800	28.000
	(c) Minor Irrigation PSTC Tubewells (Deep Tube-walls)	(Potential '000 Hects.)	52.000	62.000	0.975	1.650	2.400	2.250	2.250	2.400
<b>2.</b>	<b>Make special efforts to increase production of pulses and vegetable oil seeds</b>									
	(a) Intensive Oil seeds Development Programme	Area ('000 Hects.)	199	180	228	223	178	180	145	150
		(Production ('000 tonnes)	157	200	176	170	133	175	135	150
	(b) Intensive Pulses Development Programme	Area ('000 Hects.)	290	413	341	319	208	373	243	259
		Production ('000 tonnes)	188	375	201	180	121	230	200	239
<b>3.</b>	<b>Strengthen and expand coverage of Integrated Rural Development and National Rural Employment Programme</b>									
	(a) IRDP									
	Beneficiaries	No. of families	—	—	63882	86867	98435	70800	70800	70800
	(b) NREP									
	Employment generated	lac mandays	—	—	—	33.48	28.28	23.43	16.55	17.96
<b>7.</b>	<b>Accelerated programmes for the development of scheduled castes and tribes</b>									
	Families to be benefitted	No.	—	419000	58064	81956	84452	95431	95431	99097 (Provisional)
<b>8.</b>	<b>Supply drinking water to all problem villages</b>									
	(a) Rural Water Supply (MNP)	No. of Villages	77	597	48	45	66	110	132	165
	(b) Accelerated Rural Water Supply Programme (ARP)	No. of Villages	58	90	32	5	11	15	33	35
<b>9.</b>	<b>Allot house sites to rural families who are without them and expand programme for construction assistance to them</b>									
	Houses for rural homeless	No.	778	24389 +6611 spillover	9919	7421	3475	4500	4500	1925

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP—II

## New 20 Point Programme—Physical Targets and Achievements of Plan Outlays

Point No.	Name of the Programme/Scheme	Unit	Base Level 1979-80	Sixth Plan 1980—85 Terminal Year Target	1980-81	1981-82	1982-83	1983-84	1984-85	
					Achievement	Achievement	Achievement	Target	Anticipated Achievement	Target
1	2	3	4	5	6	7	8	9	10	11
<b>10.</b>	<b>Improve the environment of slums implement programmes of house building for economically weaker sections and take measures to arrest unwarranted increase in land prices</b>									
	Slum clearance	Numbers	96656	3,33,000	53810	57242	74592	166000	166000	85,000
	Assistance for construction of houses									
	(i) Village Housing Project	No. loanees	5058	—	1264	1400	—	200	200	1000
	(ii) Subsidised industrial houses	„	—	—	32	90	—	90	90	314
	(iii) Lower Income Group	„	—	—	600	1300	20	200	200	1600
<b>11.</b>	<b>Maximise power generation, improve the functioning of electricity authorities and electrify all villages</b>									
	(i) Installed Capacity (Cumulative)	M.W.	1537	2489.50	1537	1611	1674	2212	2105	2458
	(ii) Electricity generated (during the year)	M.K.Wh.	5291	9088	5307	5995	6664	7411	6911	8493
	(iii) Electricity sold (during the year)	M.K.Wh.	4084	7220	4244	4800	5367	5990	5580	6880
	(iv) Transmission lines (Cumulative) (220 K.V. and above)	Km.	548	1347	548	548	971	1347	1095.95	1125.95
	(v) Rural Electrification									
	(a) Villages Electrified	..	All the 12,126	inhabited villages of State stand electrified by 10th May, 1976						
	(b) Pumpsets energised by electricity during the year (Plan+Non-Plan)	Nos.	29082	20000**	20979	24146	25880	6900**	6900**	2000**
					**It relates to Plan only.					
<b>12.</b>	<b>Pursue vigorously programmes of afforestation, social and farm forestry and the development of bio-gas and other alternative energy sources</b>									
	<b>Forestry</b>									
	(i) Economic and Commercial Plantation	'000 Hects.	5.00	15.00	11.57	13.87	13.42	20.60	19.10	19.48 (205.25 lakh plants)
	(ii) Farm Forestry	No. of plants (in lakhs)	48.60	400.00	67.12	210.88	450.31	560.00	475.00	350.00
	<b>Development of Bio-gas</b>									
	Creation of Bio-gas Cell and installation of Bio-gas Plants	(Nos.)	..	..	..	273	2562	1250	1250	2000

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP-II

## New 20 Point Programme—Physical Targets and Achievements of Plan Outlays

Point No.	Name of the Programme/ Scheme	Unit	Base	Sixth	1980-81	1981-82	1982-83	1983-84		1984-85
			Level 1979-80	Plan 1980-85 Terminal year Target	Achieve- ment	Achieve- ment	Achieve- ment	Target	Anticip- ated Achieve- ment	Target
1	2	3	4	5	6	7	8	9	10	11
13	<b>Promote family planning on a voluntary basis as a people's movement :</b>									
	Sterilisation Programme ..	No.	65000	93011	40091	75350	135103	128500	128500	To be fixed by GOI
14	<b>Substantially augment universal primary health care facilities and control of Leprosy, T.B. and Blindness :</b>									
	Sub-centres ..	No.	2105	2602	—	150	80	100	100	165
15	<b>Accelerate programmes of welfare for women and children and nutrition programmes for pregnant women, nursing mothers and children, specially in tribal hill and backward areas :</b>									
	(i) Nutrition Programme ..	No.	17000	75000	15000	15268	13500	125000	125000	135000
	(ii) ICDS Blocks ..	No. (Cumulative)	3	..	5	8	17	29	29	..
16	<b>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 illiteracy :</b>									
	<b>Elementary Education</b>									
	(i) Enrolment I—V age-group 6—11 ..	No. in lakhs	20.67	19.71	20.68	20.08	20.91	19.25	19.25	19.71
	(ii) Class VI— VIII age-group 11—14 ..	No. in lakhs	6.61	9.10	7.50	7.52	7.96 (Provisional)	8.70	8.70	8.70
	<b>Adult Education</b>									
	No. of Participants ..	'000 No.	9	84	26	72	84	100	100	100
18	<b>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 update their technology</b>									
	(i) Outright Subsidy ..	Parties No.	—	—	40	53	57	200	—	—
	(ii) District Industries Centres									
	(a) Seed/Margin Money ..	No.	—	—	—	278	359	192	192	192
	(b) RAP/RIP ..	No.	—	—	—	517	625	480	480	480
	(iii) Handloom and Textile Industries									
	(a) Programme for Handloom Industries ..	Parties No.	—	—	50	97	120	100	100	100

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT TPP-II

## New 20-Point Programme—Physical Targets and Achievements of Plan Outlays

Point No.	Name of the Programme/Scheme	Unit	Base Level 1979-80	Sixth Plan 1980-85 Terminal year Target	1980-81	1981-82	1982-83	1983-84		1984-85
					Achievement	Achievement	Achievement	Target	Anticipated-Achievement	Target
1	2	3	4	5	6	7	8	9	10	11
	(b) Training of weavers ..	Trainees No.	—	—	99	103	94	100	100	100
	(c) Training-cum-Production Centre in sub-mountain area	No.	—	—	10	9	10	10	10	10
	(iv) I.R.D.P. ..	Parties No.	—	—	360	345	47	250	250	300
	(v) Village and Small Industries									
	(a) Small Scale Industries (Units registered) ..	Nos.	54637	88697	5195	5571	6331	7200	7200	7600
	(b) Village Industries (Units registered) ..	Nos.	41127	62827	7159	5266	5171	4500	4500	4500



DRAFT ANNUAL  
DISTRICT

Serial No.	Head of Development	Sixth Plan Outlay		1980-81 Actuals	
		State	District	State	District
1	2	3	4	5	6
1	Agriculture including Minor Irrigation	9468.02	NA	1414.79	802.30
2	Horticulture	650.50	NA	60.82	57.84
3	Soil Conservation	1417.00	1002.00	227.39	165.82
4	Animal Husbandry	1349.00	NA	269.36	70.95
5	Dairying	236.00	164.40	61.80	47.03
6	Fisheries	175.00	NA	29.31	23.47
7	Forests including Soil Conservation	1933.00	NA	311.54	249.41
8	(i) Community Development	3440.00	1604.80	648.18	611.74
	(ii) I. R. D. P.	1975.00	NA	323.83	323.83
	(iii) N. R. E. P.	1625.00	NA	N.A.	N.A.
9	Co-operation	4150.00	NA	544.88	181.78
10	Irrigation and Flood Control including Minor Irrigation and CAD	34829.00 Major-4824.00 Minos	NA	4512.37 763.79	1605.23
11	Power	73294.00	12070.00	10310.05	NA
12	Industry and Minerals	8183.00	NA	1223.86	59.80
13	Roads and Bridges	7000.00	NA	1301.22	1300.53
14	Road Transport (Punjab Roadways)	2975.00	NA	1490.24	185.15
15	PRTC	1025.00	NA	305.00	18.12
16	Education (S)	3066.00	2103.60	392.20	268.81
17	Education (P)	726.00	442.14	67.86	11.25
18	Health and Family Welfare	2995.00	NA	434.81	177.51
19	Ayurvedic	165.00	149.29	21.42	16.59
20	Homoeopathy	40.00	32.45	—	—
21	Rural Water Supply	6800.00	6800.00	337.14	337.14
22	Housing	5735.00	1563.00	1027.84	250.54
23	Welfare of S.C. and Backward Classes	3200.00	1396.24	481.51	105.03
24	Public Works	1247.00	NA	186.20	NA
	Total (All Heads)	180897.52	27327.92'	26747.41	6869.87

## PLAN 1984-85

## PLANS

1981-82 Actuals		1982-83 Actuals		1983-84 Anticipated expenditure		1984-85 Proposed Outlay	
State	District	State	District	State	District	State	District
7	8	9	10	11	12	13	14
1479.90	825.77	1182.20	850.18	1432.50	1037.93	1776.50	1135.00
94.67	87.41	67.28	57.90	132.50	114.40	140.50	127.50
203.28	136.62	172.25	87.68	260.00	170.00	245.00	165.00
320.90	158.91	353.94	320.06	500.00	398.26	620.00	517.10
46.15	45.45	54.57	51.07	65.00	50.99	55.00	55.00
28.27	14.80	48.23	44.69	55.00	55.00	75.00	61.00
329.30	270.34	418.66	341.64	700.00	61.50	753.00	671.00
794.94	776.15	319.40	286.75	671.00	563.50	741.00	688.50
352.25	291.63	NA	NA	NA	NA	NA	N.A.
252.00	NA	130.00	171.65	275.00	275.00	354.00	354.00
805.83	158.99	862.17	165.00	805.00	133.50	1015.00	212.28
5399.59 775.35	2469.33	4383.59 841.43	—	4320.20 830.00	—	4402.00 988.00	—
13966.21	NA	23411.00	NA	21056.00	NA	22791.00	NA
1534.75	225.86	977.38	240.18	1699.00	306.00	2325.13	453.42
1257.31	1248.43	860.78	848.65	1580.00	1545.00	1280.00	1245.00
494.12	71.82	282.18	NA	500.00	NA	800.00	NA
305.00	34.91	305.00	44.38	400.00	29.80	500.00	68.00
605.01	543.93	766.17	759.43	989.50	989.50	1165.08	1133.27
109.45	106.79	113.43	107.10	120.00	111.50	155.00	155.00
558.00	386.45	918.45	692.81	911.80	734.25	1136.10	985.20
28.50	24.43	30.25	19.75	30.00	23.93	37.29	26.29
7.30	5.54	7.35	6.17	11.00	9.00	18.88	18.88
427.58	427.58	377.83	377.83	800.00	800.00	900.00	900.00
1033.36	427.10	858.95	244.20	1140.20	275.00	1318.71	227.37
476.25	191.89	444.64	255.00	540.00	—	625.00	—
199.89	NA	245.79	205.79	301.00	230.00	410.00	340.00
31633.16	8930.13	38432.92	6177.91	40122.20	8471.06	44627.19	9538.81

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT PSU-1

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKINGS

(Rs. in lakhs)

Serial No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity capital	Loan Capital	No. of employees as on 31st March, 1983	No. of MLAs in each Corporation on the Board of Directors	Gross profit/Net profit (after paying tax, depreciation etc.) since the year of incorporation of the Corporation till 31st March, 1983 (Year-wise)			Remarks
							Year	Gross profit	Net profit	
1	2	3	4	5	6	7	8	9	10	
<b>Agriculture</b>										
1	Punjab State Warehousing Corporation	1967	525.18	91.20	1123	1	1967-68	7.92	2.67	
							1968-69	20.71	6.31	
							1969-70	33.64	10.74	
							1970-71	54.24	20.19	
							1971-72	41.91	9.23	
							1972-73	66.10	23.09	
							1973-74	58.25	3.86	
							1974-75	72.15	3.40	
							1975-76	166.30	41.62	
							1976-77	242.63	49.34	
							1977-78	262.16	63.95	
							1978-79	264.79	54.82	
							1979-80	281.15	29.66	
							1980-81	281.60	47.88	
							1981-82	290.67	36.20	
							1982-83	339.40	45.00	
2	Punjab Agro-Industries Corporation	1966	294.00	—	753	—	1966-67	(—)0.12	(—)0.12	
							1967-68	2.34	2.34	
							1968-69	2.26	—	
							1969-70	9.92	—	
							1970-71	(—)7.79	(—)7.79	
							1971-72	2.65	2.65	
							1972-73	17.84	10.51	
							1973-74	50.00	8.94	
							1974-75	2.35	0.99	
							1975-76	(—)59.35	(—)64.79	
							1976-77	(—)33.52	(—)33.52	
							1977-78	(—)15.38	(—)15.38	
							1978-79	96.69	85.95	

## ANNUAL PLAN 1984-85

## STATEMENT PSU-1

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKINGS

(Rs. in lakhs)

Serial No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31st March, 1983	No. of M.L.A.s in each Corporation on the Board of Directors	Gross Profit/Net Profit (after paying tax, depreciation etc.) since the year of incorporation of the Corporation till 31st March, 1983 (year-wise)			Remarks
							Year	Gross Profit	Net Profit	
1	2	3	4	5	6	7	8			9
2—concl'd							1979-80	19.68	19.68	
							1980-81	4.96	4.90	
							1981-82	14.17	14.17	
							1982-83	28.00	(—)16.70	
3	Punjab State Seeds Corporation Ltd.	1976	Punjab Govt. Rs. 45.00 N.S.C. Rs. 33.78 Growers Rs. 16.26 (Partly paid)	—	144	—	1976-77	1.43	0.61	
							1977-78	1.23	0.79	
							1978-79	5.86	2.16	
							1979-80	7.33	3.14	
							1980-81	6.38	2.3*	
							1981-82	1.49	0.63*	
							1982-83	1.80	0.79	
4	Punjab Land Development and Reclamation Corporation Ltd.	1965	145.00	15.00	379	—	1965-66	(—)2.67	(—)5.28	
							1966-67	4.68	0.98	
							1967-68	0.02	(—)3.18	
							1968-69	0.54	(—)2.44	
							1969-70	(—)1.07	(—)4.01	
							1970-71	(—)7.86	(—)10.37	
							1971-72	2.60	0.82	
							1972-73	6.50	1.04	
							1973-74	7.43	2.45	
							1974-75	10.27	(—)0.71	
							1975-76	4.90	(—)3.18	
							1976-77	10.44	3.13	
							1977-78	35.68	3.05	
							1978-79	71.88	0.15	
							1979-80	76.36	56.87*	
							1980-81	73.00	31.96*	
							1981-82	99.94	68.59*	
							1982-83	—	51.95*	
5	Punjab Horticulture Corporation	1981	12.99	—	8	—	—	—	—	

\*Unaudited before paying the tax.

**DRAFT ANNUAL PLAN 1984-85**  
**STATEMENT PSU—I**  
**BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKING**

(Rs. in lakhs)

Sr. No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31st March, 1983	No. of MLAs in each Corporation on the Board of Directors	Gross Profit/Net Profit (after paying tax depreciation etc.) since the year of incorporation of the Corporation till 31st March, 1983 (year-wise)		Remarks	
							Year	Gross Profit		Net Profit
1	2	3	4	5	6	7	8	9		
<b>Animal Husbandry</b>										
6	Punjab Poultry Development Corporation Ltd.,	1964	65.51	87.11	285		1964-65	—	(—)0.02	
							1965-66	—	1.44	
							1966-67	—	3.28	
							1967-68	—	0.04	
							1968-69	—	0.17	
							1969-70	—	5.80	
							1970-71	—	1.70	
							1971-72	—	3.09	
							1972-73	—	5.45	
							1973-74	—	7.24	
							1974-75	—	7.85	
							1975-76	—	(—)3.83	
							1976-77	—	5.28	
							1977-78	—	8.53	
							1978-79	—	(—)4.74	
							1979-80	—	(—)1.67	
							1980-81	—	(—)2.21	
							1981-82	—	(—)10.53	
							1982-83	—	(—)9.96	
<b>Irrigation</b>										
7	Punjab State Tubewell Corporation Ltd.	Dec., 1970	2395.77 (Paid up equity)	10172.10 (loans from Govt.)	1698	One	—	—	—	Working on no profit basis!
<b>Industries</b>										
8	Punjab Financial Corporation	1953 (Re-organised) 1966	536.62	—	229		1967-68	—	5.18	
							1968-69	—	5.98	
							1969-70	—	6.52	
							1970-71	—	6.78	
							1971-72	—	7.98	
							1972-73	—	10.72	
							1973-74	—	14.41	
							1974-75	—	25.84	
							1975-76	—	41.89	
							1976-77	—	53.44	
							1977-78	—	68.41	
							1978-79	—	82.90	
							1979-80	—	76.92	
							1980-81	—	87.00	
							1981-82	—	96.30	
							1982-83	—	133.46	

\*Tentative  
(—)Indicates loss

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT PSU—I

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKING

(Rs. in lakhs)

Sr. No.	Name of the Corporation in which State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31st March, 1983	No. of MLAs in each Corporation on the Board of Directors	Gross profit/Net profit after paying tax, depreciation etc.) since the year of incorporation till 31-3-1982 (yearwise)			Remarks
							Year	Gross Profit	Net Profit	
1	2	3	4	5	6	7	8			9
9	Punjab State Industrial Development Corporation	1966	2982.50	2540.63	132	—	1966-67	—	1.02	
							1967-68	—	(—)0.23	
							1968-69	—	(—)1.85	
							1969-70	—	(—)1.92	
							1970-71	—	(—)1.56	
							1971-72	—	(—)0.22	
							1972-73	—	(—)0.99	
							1973-74	—	(—)5.67	
							1974-75	—	(—)4.80	
							1975-76	—	(—)4.36	
							1976-77	—	(—)4.48	
							1977-78	—	14.48	
							1978-79	—	40.50	
							1979-80	—	49.74	
10	Punjab State Small Industries Corporation	1962	441.66	Nil	752	—	1980-81	—	72.46	
							1981-82	—	130.44	
							1982-83	—	41.21	
							1962-63	—	1.12	
							1963-64	—	2.35	
							1964-65	—	3.21	
							1965-66	—	5.02	
							1966-67	—	1.99	
							1967-68	—	2.74	
							1968-69	—	4.53	
							1969-70	—	6.50	
							1970-71	—	8.13	
							1971-72	—	9.42	
							1972-73	—	11.09	
1973-74	—	11.59								
1974-75	—	3.85								
1975-76	—	(—)4.85								
1976-77	—	(—)25.92								
1977-78	—	7.44								
1978-79	—	21.12								
1979-80	—	15.68								
1980-81	—	8.40								
1981-82	—	33.29								
11	Punjab State Electronic Development and Production Corporation	1976	235.00	Nil	30	—	1976-77	—	(—)1.53	
							1977-78	—	(—)1.86	
							1978-79	—	0.47	
							1979-80	—	0.22	
							1980-81	—	0.86	
12	Punjab State Handloom and Textile Development Corporation	1976	243.00	122.33	122	1	1981-82	—	0.59	
							1976-77	—	—	
							1977-78	—	—	
							1978-79	—	(—)5.55	
							1979-80	—	(—)10.58	
13	Punjab State Hosiery & Knitwear Development Corporation	1977	250.00	20.65	141	—	1980-81	—	(—)30.60	Development Period
							1981-82	—	(—)14.44	
							1977-78	—	—	
							1978-79	—	—	
							1979-80	—	—	
14	Punjab State Leather Development Corporation	1981	56.90	Nil	59	—	1980-81	—	(—)9.35	Ditto
							1981-82	—	(—)12.90	
							1982-83	—	(—)11.29	
							1981-82	—	(—)3.41	
15	Punjab Goindwal Industrial and Investment Corporation	1981	128.00	Nil	94	—	—	—	—	

(—) Indicates Losses.

## DRAFT ANNUAL PLAN, 1984-85

## STATEMENT PSU-1

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKING

(Rs. in lakhs)

Serial No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31st March, 1983	No. of MLAs in each Corporation on the Board of Directors	Gross Profit/Net profit (after paying tax depreciation etc.) since the year of incorporation of the Corporation till 31st March, 1983 (Year-wise)
1	2	3	4	5	6	7	8
<b>Road Transport</b>							
16	PEPSU Road Transport Corporation, Patiala	1956	1722.17	—	5955	Nil	Year
							Gross profit
							Net profit
							Upto—
							1971-72
							— (—)14.18
							1972-73
							— (—)61.98
							1973-74
							— (—)20.12
							1974-75
							— (—)94.02
							1975-76
							— (—)165.41
							1976-77
							— (—)211.29
							1977-78
							— (—)179.72
							1978-79
							— (—)133.03
							1979-80
							— (—)220.92
							1980-81
							— (—)598.08
							1981-82
							— (—)736.41
							1982-83
							— (—)838.54
17	Punjab State Tourism Development Corporation	1979	202.40	143.07@	Regular	409	1979-80
					Daily wages	178	.. 1980-81
					Under training	3	.. 1981-82
						590	1982-83
							— (—)18.46
							— (—)22.51
							— (—)23.50
							— (—)25.69 (Tentative)

@Amount due to Directorate Tourism Corporation against assets taken over (unconfirmed).

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT PSU—I

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKING

STATE : Punjab

(Rs. in lacs)

Sr. No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31-3-1983	No. of MLA's in each Corporation of Board of Directors	Gross profit/Net profit after paying tax, depreciation till 31-3-1983			Remarks
							Year	Gross profit loss (+)/(-)	Net profit loss (+)/net loss(-)	
1	2	3	4	5	6	7	8	9	10	11
<b>Water Supply and Sewerage</b>										
18	Pb. W/S & Sew. Board	15-9-76	518.33 (on 31-3-83)	39.99 (31-3-83)	1442	One namely, Prof. Darbari Lal, M.L.A.	1976-77	2.08	2.08	Depreciation amounting to Rs. 0.44 lacs not charged to gross profit pending approval of Depreciation Reserve fund Regulations by the Government
							1977-78	26.35	26.35	Depreciation amounting to Rs. 4.12 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulations by the Government
							1978-79	(-)-0.71	(-)-0.71	Depreciation amounting to Rs. 3.86 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulations by the Government
							1979-80	44.60	44.60	(a) Depreciation amounting to Rs. 6.56 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulation by the Government  (b) Risks Reserve Fund A/C amounting to Rs. 0.39 lacs charged to gross profit in 1981-82
										(b) Risks Reserve Fund A/C amounting to Rs. 0.66 lacs charged to gross profit in 1981-82



## DRAFT ANNUAL PLAN 1984-85

## STATEMENT PSU—I

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKING

(Rs. in lacs)

STATE : Punjab

Sr. No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31-3-1983	No. of MLA's in each Corporation of Board of Directors	Gross profit/Net profit after paying tax, depreciation till 31-3-1983			Remarks
							Year	Gross profit (+)	Net profit (+)/net loss(-)	
1	2	3	4	5	6	7	8	9	10	11
							1980-81	53.29	32.12	(a) Depreciation amounting to Rs. 9.29 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulations by the Government  (b) Risks Reserve Fund A/C. amounting to Rs. 0.93 lacs charged to gross profit in 1981-82
							1981-82	76.86	73.93	(a) Depreciation amounting to Rs. 9.52 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulations by the Government
							1982-83	11.04	10.19	(a) Depreciation amounting to Rs. 7.50 lacs not charged to gross profit pending approval of Depreciation Reserve Fund Regulation by the Government

## DRAFT ANNUAL PLAN, 1983-84

## STATEMENT PSU-I

## BASIC DATA RELATING TO PUBLIC SECTOR UNDERTAKINGS

## STATE PUNJAB

Serial No.	Name of the Corporation in which the State has share capital	Year of incorporation	Equity capital	Loan capital	No. of employees as on 31st March 1983	No. of MLAs in each Corporation on the Board of Directors	Gross Profit/Net profit After paying tax; depreciation etc.) since the year of incorporation of the Corporation till 31st March 1983 (yearwise)																												
							Rs																												
<b>Welfare of Scheduled Castes and Backward Classes</b>																																			
19	Punjab Backward Classes Land Development and Finance Corporation	1976	Rs 10 crore	—	110	—	Nil (Loss Rs. 25,82,944.12)																												
20	Punjab Scheduled Castes Land Development and Finance Corporation	1971	Rs 20 crore	—	205	—	<table border="1"> <thead> <tr> <th>Year</th> <th>Net Profit</th> </tr> </thead> <tbody> <tr><td>1970-71</td><td>36,814.96</td></tr> <tr><td>1971-72</td><td>1,12,887.82</td></tr> <tr><td>1972-73</td><td>19,418.52</td></tr> <tr><td>1973-74</td><td>1,09,489.82</td></tr> <tr><td>1974-75</td><td>1,43,384.37</td></tr> <tr><td>1975-76</td><td>1,86,232.25</td></tr> <tr><td>1976-77</td><td>1,55,797.31</td></tr> <tr><td>1977-78</td><td>1,52,177.23</td></tr> <tr><td>1978-79</td><td>3,58,244.98</td></tr> <tr><td>1979-80</td><td>7,62,146.25</td></tr> <tr><td>1980-81</td><td>37,80,884.17(*)</td></tr> <tr><td>1981-82</td><td>8,78,693.87(*)</td></tr> <tr><td>1982-83</td><td>10,82,733.88(*)</td></tr> </tbody> </table>	Year	Net Profit	1970-71	36,814.96	1971-72	1,12,887.82	1972-73	19,418.52	1973-74	1,09,489.82	1974-75	1,43,384.37	1975-76	1,86,232.25	1976-77	1,55,797.31	1977-78	1,52,177.23	1978-79	3,58,244.98	1979-80	7,62,146.25	1980-81	37,80,884.17(*)	1981-82	8,78,693.87(*)	1982-83	10,82,733.88(*)
Year	Net Profit																																		
1970-71	36,814.96																																		
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1980-81	37,80,884.17(*)																																		
1981-82	8,78,693.87(*)																																		
1982-83	10,82,733.88(*)																																		
<b>Social Welfare</b>																																			
21	Punjab Women and Children Development and Welfare Corporation,	1979	Rs. 5 crores		67	1	<table border="1"> <thead> <tr> <th>Year</th> <th>Loss</th> </tr> </thead> <tbody> <tr><td>1979-80</td><td>(—)0.67</td></tr> <tr><td>1980-81</td><td>(—)2.93</td></tr> <tr><td>1981-82</td><td>(—)5.06</td></tr> <tr><td>1982-83</td><td>(—)9.39</td></tr> <tr><td><b>Total</b></td><td><b>(—)18.05</b></td></tr> </tbody> </table>	Year	Loss	1979-80	(—)0.67	1980-81	(—)2.93	1981-82	(—)5.06	1982-83	(—)9.39	<b>Total</b>	<b>(—)18.05</b>																
Year	Loss																																		
1979-80	(—)0.67																																		
1980-81	(—)2.93																																		
1981-82	(—)5.06																																		
1982-83	(—)9.39																																		
<b>Total</b>	<b>(—)18.05</b>																																		
							(Rs in lakhs)																												
22	Punjab Ex-servicemen Corporation	1978	Rs 5.00 crores		28	—	<table border="1"> <tbody> <tr><td>1979-80</td><td>(—)1.89</td></tr> <tr><td>1980-81</td><td>(—)2.46</td></tr> <tr><td>1981-82</td><td>(—)2.46</td></tr> <tr><td>1982-83</td><td>(—)2.33</td></tr> </tbody> </table>	1979-80	(—)1.89	1980-81	(—)2.46	1981-82	(—)2.46	1982-83	(—)2.33																				
1979-80	(—)1.89																																		
1980-81	(—)2.46																																		
1981-82	(—)2.46																																		
1982-83	(—)2.33																																		

**STATEMENT—PSU I**  
**DRAFT ANNUAL PLAN 1984-85**

Basic data relating to Public Sector Undertakings—States/U.Ts.

Serial No.	Name of the Corporation in which the state has share capital	Year of incorporation	Equity capital	Loan capital	No. of employees as on 31-3-1983	No. of MLAs. in each corporation on the Board of Directors	Gross profit/Net profit (after paying tax, depreciation etc.c.) since the year of incorporation of the Corporation till 31-3-1983 (Year-wise)		
1	2	3	4	5	6	7	8		
23	Public State Civil Supplies Corporation	1974	Rs. 373.00 lakhs	Rs. 15500 lakhs	2635	Audited	1974-75	267.02	78.74
							1975-76	447.42	76.94
							1976-77	586.76	(—)27.88*
							1977-78	711.50	(—)230.19*
							1-4-78 to 31-12-78	467.36	(—)329.19*
							1-1-79 to 31-12-79	1786.93	540.13*
							1-1-80 to 21-12-80	1485.71	36.25*
							1-1-81 to 31-12-81	2113.41	47.52*

\*Tentative

(—) Indicates loss

Note.—The years ending of the Corporation is 31-12-1982 hence the figure are available upto 31-12-1982.

## DRAFT ANNUAL PLAN 1984-85

## STATEMENT—PSU 1

Basic data relating to Public Sector Undertakings—States/U.Ts.

(Rs in lakhs)

Serial No.	Name of the Corporation in which the state has share capital	Year of incorporation	Equity Capital	Loan Capital	No. of employees as on 31-3-83	No. of MLAs in each Corporation on the Board of Directors	Gross profit/Net profit after paying tax, depreciation etc.) since the year of incorporation of the Corporation till 31-3-1983 (Yearwise)		
							Year	Gross profit	Net profit
1	2	3	4	5	6	7	8		
24	Punjab Film and News Corporation	1973	98.50	Nil	104	—	1973-74	—	(—) 2.14
							1974-75	—	(—) 1.84
							1975-76	—	(—) 3.15
							1976-77	—	(—) 5.86
							1977-78	—	(—) 9.93
							1978-79	—	(—) 8.49
							1979-80	—	(—) 10.04
							1980-81	—	(—) 7.93
							1981-82	—	(—) 7.35*
							1982-83	—	(—) 6.86*

\*Tentative and subject to audit.

(—) Indicate loss.

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