

2. AGRICULTURE AND ALLIED ACTIVITIES

11th Plan Outlay - Rs. 130913.35 lac
Annual Plan 2007-08 Outlay - Rs. 20008.87 lac

2.1 CROP HUSBANDRY

11th Plan Outlay - Rs. 76705.55 lac
Annual Plan 2007-08 Outlay - Rs. 9300.00 lac

2.1.1 Punjab is an agriculturally progressive state endowed with abundant resources and an enthusiastic farming community, which has resulted in increase in grain-production from 73 lac tonnes in 1970-71 to 252 lac tonnes in 2006-07. The productivity of rice & wheat in Punjab is 36.94 quintal/hectare and 42.07 quintal/he against the All India Level of 20.77 quintal/hectare & 27.13 quintal/hectare respectively. The state contributed around 75% and 33% to the Central Pool Stock of wheat and rice in 2005-06. Cropping intensity in Punjab is currently more than 188 as against 133 in the country as a whole, and consumption of fertilizer (NPK) is 216 kilogram per hectare as compared to the Indian average of 102 kilogram per hectare. About 18 percent of the total tractors in India are in Punjab. Production is supported by about 94 per cent irrigation coverage with 9,35,000 tube wells.

2.1.2 During the year 2006-07, the main emphasis was given on increasing the productivity/production of various crops particularly cotton, maize, oilseeds, pulses etc. so that the damage to our natural resource base due to monoculture of wheat-paddy crop rotation could be checked. Special attention has been given to revive the cotton crop from the setback it suffered in the year 1998-99, since then it has been constantly improving and during the year 2006-07 its production has gone to 26.78 lac bales which was 23.95 lac bales in 2005-06. The productivity of cotton has also increased from 731 Kg of lint per hectare during Kharif 2005 to 750 Kg of lint per hectare in Kharif 2006. During Kharif 2006 the area under maize has increased to 1.54 lac hectare from 1.48 hectare in Kharif 2005. The productivity of maize during Kharif 2006 was 3123 Kg per hectare which was 2720 Kg/hectare in Kharif 2005.

2.1.3 An expenditure of Rs.15359.57 lac was incurred during 10th plan against an outlay of Rs.12934.86 lac provided under the sub-head 'Crop Husbandry'. This expenditure has mainly been incurred on the diversification of agriculture through horticulture and agro processing and on schemes related to research and macro management of Agriculture.

2.1.4 Lately, agricultural activities have begun to show signs of fatigue. Today, Punjab is at the crossroads, as the existing production pattern and marketing systems are out of tune with the immediate and long-term supply and demand situation in both national and international markets. A package of

dynamic, pro-active and responsive policies and action programmes are required to revive Punjab agriculture, so as to meet the increasing pressures of free trade, liberalization and globalization. An outlay of Rs.76705.55 lac and Rs.9300.00 lac has been provided under the sub-head 'Crop Husbandry'(Agriculture and Horticulture) for the 11th Five Year Plan and Annual Plan 2007-08 respectively.

AGRICULTURE

11th Plan Outlay - Rs.62990.00 lac
Annual Plan 2007-08 Outlay - Rs. 79318.00 lac

2.1.5 To sustain the development of agriculture in the state the following major schemes /programmes would be taken up during the 11th plan period-

Ongoing schemes

Centrally sponsored/ funded schemes

AGR -1/A(P)16.21 Diversification through Agriculture Production Pattern Adjustment Programme in Punjab for Productivity and Growth (12th Finance Commission)

11th Plan Outlay - Rs. 9600.00 lac
Annual Plan 2007-08 Outlay - Rs. 2400.00 lac

2.1.6 The objective of the scheme is to wean away the farmers from paddy wheat rotation. Twelfth Finance Commission has allocated an amount of Rs.9600.00 lac for 4 years (2006-10) for research and development. The funds will be utilized for research on alternative crops and technology areas. To encourage the diversification in agriculture from paddy-wheat rotation and to increase the underground water level, the cultivation of citrus plants and other fruits and vegetables and grapes cultivation would be encouraged. Similarly, organic farming i.e. diversification from traditional crops to organic crops would also be encouraged.

2.1.7 An outlay of Rs.2400.00 lac was provided in Annual Plan 2006-07 for this purpose. However no expenditure has been incurred as modalities of the scheme are yet to be finalized. An amount of Rs.9600.00 lac and Rs 2400.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

AGR-2/A(P)16.19 Technology Improvement for Production and Market Development for Higher Value Crops (ACA of 2004-05)

11th Plan Outlay - Rs. 300.00 lac
Annual Plan 2007-08 Outlay - Rs. 300.00 lac

2.1.8 Onetime ACA of Rs.300.00 lac was approved in 2004-05 and released in 2005-06 to promote cultivation of medicinal and aromatic plants . However this amount could not be utilized by Punjab Agricultural University, Ludhiana and is now to be provided to them during 2007-08. Therefore an amount of Rs.300.00 lac has been provided under the scheme for the 11th Plan and Annual Plan 2007-08 respectively.

AGR -3/A(P)16.17 Centrally Sponsored Macro Management Work Plan for Agriculture Department (90:10)

11th Plan Outlay - Rs. 1500.00 lac
Annual Plan 2007-08 Outlay - Rs. 300.00 lac

2.1.9 For supplementing/complementing the State's efforts the Central Government has decided to move away from schematic approach to Macro-Management approach by integrating 27 Centrally Sponsored Schemes all over the country. Macro Management Programme accords greater flexibility to State Government on the basis of regional priorities. The following important activities shall be included in the work plan for the year 2007-08 -

- (1) Cereal Development Programme
- (2) Improvement of Soil Health
- (3) Promotion of Agricultural Mechanization
- (4) Reclamation of Alkali Soils
- (5) Pest and Weed Management
- (6) Development of Agricultural Marketing Infrastructure
- (7) Extension and Training
- (8) Information Technology
- (9) Development of Infrastructure for Seed Production
- (10) Sustainable Development of Sugarcane

2.1.10 An amount of Rs.1134.12 lac was provided under the scheme for 10th Plan against which an expenditure of Rs.189.52 lac (on State Plan side) was incurred. An amount of Rs.13500.00 lac and Rs.2700.00 lac as 90% Government of India's Share and an amount of Rs.1500.00 lac and Rs.300.00 lac as 10% State Share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

AGR- 4/A(P)16.39 Integrated Scheme of Oilseeds, Pulses, Oil Palm and Maize (ISOPOM) (75:25)

11th Plan Outlay - Rs. 610.00 lac
Annual Plan 2007-08 Outlay - Rs. 122.00 lac

2.1.11 Government of India merged Oilseeds Production Programme (OPP), National Pulses Development Project (NPDP), and Accelerated Maize Development Programme (AMDP) into Integrated scheme of Oilseeds, Pulses, Oil Palm and Maize (ISOPOM) in the year 2004-05. The funding pattern of the

scheme would be 75:25 (Government of India:State). The main objectives of the scheme are as under -

- (1) Increase the production of oilseeds, pulses and maize by adoption of improved seeds, field demonstrations and technology recommended by the experts.
- (2) Increase the productivity pertinent area under oilseeds, pulses and maize.
- (3) Improvement of soil health through diversification.

2.1.12 The scheme is being implemented in all the districts of the state. Priority is given to small and marginal farmers. During 2005-07 an expenditure of Rs.34.00 lac (on State Plan side) was incurred. An amount of Rs.610.00 lac and Rs.122.00 lac as state share and Rs.1830.00 lac and Rs.366.00 lac as Government of India's share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

AGR- 5/A(P)16.41 Centrally Sponsored Scheme for Support to State Extension Programme (90:10)

11th Plan Outlay - Rs. 230.00 lac
Annual Plan 2007-08 Outlay - Rs. 46.00 lac

2.1.13 A Centrally Sponsored Scheme, "Support to State Extension Programme for Extension Reforms" has been approved by Government of India on sharing basis (90:10) for implementation in the State. The scheme will be implemented through state level and district level Registered Societies. The major objectives of the scheme are as under-

- (1) Reforming Public Sector Extension.
- (2) Promote Private Sector to complement/supplement the public extension system.
- (3) Augmenting the media and information technology etc. for providing extension services.

2.1.14 During 2005-07 an expenditure of Rs.5.11 lac was incurred. An amount of Rs.230.00 lac and Rs. 46.00 lac as state share and Rs.2070.00 lac and Rs.414.00 lac as Government of India's share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

AGR-6/A(P) 5.3 Intensive Cotton Development Programme Including Aerial Spray on Cotton (75:25)

11th Plan Outlay - Rs. 750.00 lac
Annual Plan 2007-08 Outlay - Rs. 150.00 lac

2.1.15 The objective of the scheme is to increase the production and productivity of cotton in the State especially in the cotton belt of Ferozpur,

Faridkot, Mukatsar, Moga, Bathinda, Sangrur and Mansa. Various incentives such as distribution of certified seed, training and demonstration on latest crop production technology, use of pheromone traps, NPV (Nuclear Poly-Hydroses Virus), IPM (Integrated Post Management) Plant Protection equipments (manually operated sprayers and dusters) and tractor mounted sprayers etc. will be provided to the farmers.

2.1.16 An outlay of Rs. 1183.14 lac was provided in the 10th Plan against which an expenditure of Rs.88.00 lac (on State side) was incurred. An amount of Rs.750.00 lac and Rs.150.00 lac as state share and Rs.2250.00 lac and Rs.450.00 lac as Government of India's share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

New Schemes

Centrally sponsored/ funded schemes

AGR 7 Strengthening of Citrus Estates (ACA of 2007-08)

11th Plan Outlay - Rs.1000.00 lac
Annual Plan 2007-08 Outlay - Rs. 1000.00 lac

2.1.17 5 citrus estates were established in the State to facilitate the production and marketing of kinnow and other citrus varieties. The facilities like tree pruners, power sprayers, fruit graders, pre-cooling chambers and waxing of fruits etc. are to be created in these estates. ACA amounting to Rs.1000.00 lac would be provided by Government of India during 2007-08 for this purpose. An amount of Rs.1000.00 lac has been provided both in the 11th plan and Annual Plan 2007-08.

AGR 8 Seetting up of Farmer Training Centers (ACA of 2007-08)

11th Plan Outlay - Rs.500.00 lac
Annual Plan 2007-08 Outlay - Rs.500.00 lac

2.1.18 Farmers training in crop production and their skill up-gradation in allied agricultural activities can play a major role in improving the productivity of crops and performance of livestock sector. To bridge the knowledge gap between the scientists and farmers, the establishment of such Farmer Training Centers at block level is of vital importance. It is proposed to set-up 20 Farmer Training Centers in 2007-08. ACA amounting to Rs.500.00 lac would be provided by Government of India during 2007-08 for this purpose. An amount of Rs.500.00 lac has been provided both in the 11th plan and Annual Plan 2007-08.

State Funded Schemes

AGR-9 State Plan for Rejuvenation of State Agriculture for Higher Agricultural Growth.

11th Plan Outlay - Rs.48500.00 lac
Annual Plan 2007-08 Outlay - Rs. 2500.00 lac

2.1.19 The growth in agriculture sector has been decelerating and the sustainability of the system has been impaired. To improve the performance and sustainability of agriculture sector, it is essential to develop and disseminate technologies relevant for more productive and remunerative cropping system for different agro ecological regions of the State. For this purpose a new project namely “State Plan for Rejuvenation of State Agriculture for Higher Agricultural Growth” has been included in the 11th plan for which an outlay of Rs.48500.00 lacs & Rs.2500.00 lacs has been provided in the Annual Plan 2007-08 respectively. The various technological interventions that would be covered under the project during 2007-08 are as under:-

- (1) Strengthening of Soil Testing Laboratories.
- (2) Green Manuring
- (3) Improvement of Soil Health.
- (4) New Technological Interventions
- (5) Promotion of Net House Technology.
- (6) Contract Farming of Citrus
- (7) Promotion of Micro Irrigation
- (8) On-farm storage and Rain Water harvesting
- (9) Strengthening of Strategic Agricultural Research.
- (10) Traceability System for Basmati for value addition.

HORTICULTURE

11th Plan Outlay - Rs. 13715.55 lac
Annual Plan 2007-08 Outlay - Rs. 1982.00 lac

2.1.20 Horticulture which includes fruits, vegetables, root and tuber crops, mushroom, floriculture, medicinal and aromatic plants etc., has established its importance in improving land use, promoting crop diversification, generating employment and above all providing nutritional security to the people. The main schemes/programmes of the 11th plan are given in the following paragraphs-

Ongoing schemes

State funded schemes

HORT-1/A(P)14.3(i),(ii),A(P)14.14 Diversification of Agriculture through Development of Horticulture

11th Plan Outlay - Rs. 2000.00 lac
Annual Plan 2007-08 Outlay - Rs. 400.00 lac

2.1.21 During the 11th plan the scheme has been reframed by merging the three schemes i.e. Development of horticulture including sericulture, diversification of agriculture through horticulture and improvement of quality of perlette quality of grapes.

The main objectives of the scheme are-

- (1) To equip departmental farms and nurseries with modern and sophisticated machinery. The quality plant material thus produced will be supplied to the growers on 50% subsidized rate.
- (2) To bring an additional area of 4,000 hectares during 2007-08 and 20,000 hectares under fruits during 11th Five Year Plan instead of 19,000 hectares of 10th Five Year Plan.
- (3) To strengthen the nursery production work for raising 10.00 lac plants during 2007-08 and 50.00 lac Nursery plants for new plantation during the 11th Five Year Plan instead of 47.50 lac Nursery plants of 10th year Plan.
- (4) To popularize spawn production and Mushroom cultivation in the State.
- (5) To produce the crop of green cocoon for the promotion of Sericulture in the State.
- (6) To improve the quality of the perlette variety of grapes by following improved management techniques. For this purpose, 258 demonstrations in the farmers fields will be given by the application of growth regulator, girdling tools brushing equipment and labour etc. to a maximum of Rs.2800/- per demonstration/farmer per acre.

2.1.22 An outlay of Rs.1065.00 lac was provided under the schemes for 10th Plan against which an expenditure of Rs.1468.26 lac was incurred . An amount of Rs.2000.00 lac and Rs.400.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

HORT-2/A(P)14.6 Demonstration -cum- Fruit Preservation Laboratories and Community Canning Centres

11th Plan Outlay - Rs. 125.00 lac
Annual Plan 2007-08 Outlay - Rs. 25.00 lac

2.1.23 The objective of the scheme is to train and educate the fruit growers/public in latest techniques for the preservation and preparation of various products like squashes, jams, jellies and other canned products from fruits and vegetables. Six Fruit Preservation laboratories at Hoshiarpur, Abohar, Patiala,

Amritsar, Ludhiana and Jalandhar and 14 Community Canning Centres are functioning in the State. Besides this 5 more Community Canning Centres would be setup in the 11th plan period. In these units 88,000 Kg fruits will be processed and 11,000 persons will be imparted training during 2007-08.

2.1.24 An outlay of Rs. 126.00 lac was provided under the scheme for the 10th Plan against which an expenditure of Rs.100.42 lac has been incurred . An amount of Rs.125.00 lac and Rs 25.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

HORT-3/A(P)16.11,A(P)14.8 Scheme for Transmission of Technology Through Extension, Demonstration and Training in Horticulture Practices and Setting up of Information Collection Centres

*11th Plan Outlay - Rs. 185.00 lac
Annual Plan 2007-08 Outlay - Rs. 37.00 lac*

2.1.25 During 11th plan the scheme has been reformulated by merging of two schemes i.e. Scheme for Transmission of Technology through Extension, Demonstration and Training in Horticulture practices and Setting up of Information Collection Centres.

2.1.26 To meet the challenges of WTO the following specific Programmes have been proposed -

- (1) **Demonstration of thrust Points in Vegetable Crop** - Under this 2000 demonstrations of 0.1 ha. will be laid at farmers field @ Rs.500 per demonstration per beneficiary.
- (2) **Increasing Productivity of Citrus Fruits**- The Citrus orchards are severely affected by a phytophthora fungal disease and the fungicide used for its remedy is very costly and the farmers are reluctant to use it. Therefore, incentive @ Rs.5000/- per ha. for 200 ha. would be given. Work of disease free raising of nursery fruit plants in the polythene bags by disinfecting soil with formalin and solarization method will also be undertaken.
- (3) **Vegetable Production** -To provide demonstrations of hybrid and other high yielding varieties of vegetables to the growers for quality production by giving maximum of Rs.1000/- per acre per beneficiary for 1000 acre.

2.1.27 The objective of the scheme is to provide current technical know-how relating to horticulture and vegetable programme and scientific use of horticulture inputs like seed, fertilizers, plant protection measures. Training regarding pruning of trees and weed control etc. would be provided in a simplified

way to the fruits and vegetable growers by organizing fruits/vegetable shows and seminars. Farmers training camps will also be organized at district and village level and farmers will be taken on planned field visits to the progressive growers, orchards and other institutions including research stations to expose the fruits growers to the horticultural operations and to create personal contacts by interacting with the progressive growers of the adjoining States.

2.1.28 An outlay of Rs. 365.00 lac was provided under the scheme for 10th Plan against which an expenditure of Rs.169.39 lac was incurred. An amount of Rs.185.00 lac and Rs 37.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

New schemes

Centrally sponsored/funded schemes

HORT- 4 Pilot Project for Development of Mulberry Sericulture in Gurdaspur (50:50)

11th Plan Outlay - Rs. 100.00 lac

Annual Plan 2007-08 Outlay - Rs. 20.00 lac

2.1.29 Punjab is a minor silk producing state. The status of sericulture in Punjab is given as below-

Sericulture statistics of Punjab during 2004-05.

SN	Particulars	Number
1	Sericulture practiced in districts	3
2	Government Sericulture Farms	11
3	Chawki Rearing Centres	11
4	Area under Mulberry at Government Farms.	115 acres

2.1.30 Central Silk Board, being the Nodal Agency for development of silk in the country has taken up a few Sericulture Projects with funding from special SGSY of Ministry of Rural Development, Government of India and has gained experience in implementing special SGSY programme in the sericulture sector for the benefit of the rural poor and the BPL population in rural areas. The project will be implemented in the selected blocks of the Gurdaspur district, which have got good potentials for development and further expansion.

2.1.31 The project will be executed by the Central Silk Board, Ministry of Textiles, Government of India and implemented by the Department of Horticulture, Government of Punjab, designated as implementing Agency (IA) with the help of reputed NGOs or Societies, working in the allied fields in the project area, who will be designated as the Field implementing Agencies (FIAs) under the Project.

2.1.32 The target group would comprise of nursery entrepreneurs, chawki silkworm rearers and reelers. The farmers, who have one-half acre or more of own land/community land/waste land and are willing to take up sericulture as subsidiary occupation would be the project beneficiaries (swarojgaris) in pre-cocoon sector. Even land-less persons would also be selected as project beneficiaries (Swarojgaris) who will have Mulberry foliage of Government Silk Farms. Unemployed youth or interested local entrepreneurs or a traditional reeler would be encouraged to organize post cocoon activities in the project area.

2.1.33 The total cost of the project for a period of 5 years from 2007-2008 to 2011-2012 is estimated at Rs.909.636 lac .

SN	Funding Agency	Cost (lac Rs)	% of the total
1	Credit from Financial Institutions or implementing Agency.	126.153	13.87
2	Swarojgaris' contribution	97.679	10.74
3	Ministry of Rural Development, Government of India.	493.507	54.25 (71.96)
4	Central Silk Board/Department of Horticulture Government of Punjab(50:50)	192.296	21.14 (28.04)
	Total Cost	909.636	100.00

2.1.34 An amount of Rs100.00 lac and Rs20.00 lac as State Share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

HORT -5 State Share of National Horticulture Mission (85:15)

11th Plan Outlay - Rs. 11305.55 lac
Annual Plan 2007-08 Outlay - Rs. 1500.00 lac

2.1.35 The National Horticulture Mission was started as 100% Government of India Programme during 2005-06. The main objectives of the mission are :

- (1) To provide holistic growth of the horticulture sector through an area based regionally differentiated strategies which include research, technology promotion, extension, post harvest management, processing and marketing, in consonance with comparative advantage of the State and its climatic feature.
- (2) To enhance horticulture production, improve nutritional security and income support to farm households.
- (3) To promote, develop and disseminate technologies, through a seamless blend of traditional wisdom and modern scientific knowledge.
- (4) To create opportunities for employment generation for skilled and unskilled persons, especially unemployed youth.

2.1.36 Annual Action Plans amounting to Rs.7846.89 lac and Rs.5974.00 lac were approved by Government of India during 2005-06 and 2006-07 respectively. Against this the Government of India released Rs.2868.82 lac and Rs.1150.00 lac during 2005-06 and 2006-07 respectively. An expenditure of Rs.2434.00 lac has been incurred during 2005-07. However with effect from 2007-08 this mission will be implemented as a Centrally Sponsored Scheme where Government of India's share would be 85% and state's share would be 15%. A sum of Rs.11305.55 lac and Rs.1500.00 lac as 15% state share and Rs.64064.65 lac and Rs.8500.00 lac as 85% Government of India Share has been provided in the 11th plan and Annual Plan 2007-08 respectively.

Centrally Sponsored Schemes (100%)

CS(AGR)-1/CS 2 Agricultural Census Scheme (100%CSS)

11th Plan Outlay - Rs.150.00 lac
Annual Plan 2007-08 Outlay - Rs. 59.90 lac

2.1.37 This is a staff scheme. Under this scheme main characteristics of operational holdings are collected as per instructions of Government of India. Also the number of operational holdings (size/class wise) are collected by conducting sample study after every five years. A sum of Rs.139.08 lac was provided for the 10th plan against which an expenditure of Rs.99.32 lac was incurred. An amount of Rs.150.00 lac and Rs 59.90 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

CS(AGR)-2/CS 3 Scheme for Crop Estimation Survey on Fruits, Vegetables and Minor Crops (100%CSS)

11th Plan Outlay - Rs. 143.00 lac
Annual Plan 2007-08 Outlay - Rs. 24.30 lac

This scheme is run by two departments-

(1) Agriculture Department

2.1.38 Under this scheme reliable statistics regarding area, yield and production of fruits, vegetables and minor crops are obtained by conducting crop cutting experiments. This is also a staff scheme. A sum of Rs.17.23 lac was provided for the 10th Plan against which an expenditure of Rs.15.20 lac was incurred. An amount of Rs.45.00 lac and Rs.4.30 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

(2) Horticulture Department

2.1.39 Under this scheme reliable statistics regarding area, yield and production of fruits, vegetables and minor crops are obtained by conducting crop cutting experiments. This is also a staff scheme. A sum of Rs 85.00 lac was provided for the 10th plan against which an expenditure of Rs. 74.49 lac was incurred. An amount of Rs.66.15 lac and Rs 20.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

CS(AGR)-3/CS 53 Setting up of Bio Control Labs under the Central Sector Scheme for Setting up of IPM Centres (100%CSS)

11th Plan Outlay - Rs. 50.00 lac
Annual Plan 2007-08 Outlay - Rs. 10.00 lac

2.1.40 Under this scheme a Bio-control lab at Mansa is to be established. Thereafter the laboratory will be made operational by re-deploying the staff available with the department.

2.1.41 Under this scheme an outlay of Rs.12.70 lac was been provided in the Annual Plan 2006-07 against which no expenditure was incurred. An amount of Rs.50.00 lac and Rs.10.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

CS(AGR)-4/CS 66(ii) Frontline Demonstration (100%CSS)

11th Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 50.00 lac

2.1.42 A sum of Rs 76.50 lac was provided for the 10th plan against which an expenditure of Rs.10.40 lac was incurred. An amount of Rs.250.00 lac and Rs 50 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

CS(AGR)-5/CS 77 Central Sector Scheme for Promotion and Strengthening of Agricultural Mechanization through Training, Testing and Demonstration(100%CSS)

11th Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac

2.1.43 This is a 100% Central Sector Scheme. The main objectives of the scheme are design and fabrication of crop specific machines and equipment, matching implement/machines to improve efficiency and saving fuel, field demonstrations of these machines, dissemination of information to the farmers.

The scheme is having the following components-

- (1) Demonstration of newly developed agricultural equipment.
- (2) Outsourcing of training through identified Institutions.

2.1.44 A sum of Rs.50.00 lac was provided in 2006-07 against which an expenditure of Rs.34.68 lac was incurred. An amount of Rs.500.00 lac and Rs.100.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

CS(AGR)-6/CS 78 Centrally Sponsored Scheme for AGRISNET Project (100%CSS)

11th Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac

2.1.45 Under 100% Centrally Sponsored Scheme 'AGRISNET', a programme of information technology is proposed to be implemented in Agriculture Department. 'AGRISNET' shall be implemented first at the Directorate, State and District levels. The programme shall be planned/designed in such a way, so as to extend it to the Block and Focal Point Level at a later stage. In order to provide extension services to the farmers, it is proposed to computerize recommendations of the Punjab Agricultural University, Ludhiana with regard to package of practices for crops grown both during kharif and rabi seasons. In addition, efficient use on farm management of irrigation water, maintenance of farm machinery including Bio-Gas plants, information regarding water table depth, ground water level behavior, ground water quality, design of shallow tubewells etc. shall also be computerized. Information relating to sale and stock condition of fertilizers, consumption and sale of pesticides/insecticides, testing of pesticides and fertilizer samples, distribution and production of seeds, statistics of area, yield and production of crops at Block/District and State level, agricultural census, rationalization of minor irrigation and crop estimation data etc. shall also be computerized for the use of Agriculture Department at State, District and Block Level. A sum of Rs.105.00 lac was provided during 2005-07 against which an expenditure of Rs.5.00 lac was incurred. An amount of Rs.500.00 lac and Rs.100.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

New Scheme

CS(AGR)-11 Scheme for Development and Strengthening of Seed Infrastructure for Production and Distribution of Quality Seeds- Implementation of Seed Village Scheme(100%CSS)

11th Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac

2.1.46 This is a 100% new Central Sector Scheme. To meet the increased demand of food grains, growth in agricultural production must be accelerated, which depends more upon enhanced productivity per unit of land than an expansion of area under cultivation. Hence objectives of this scheme are as under-

- (1) Seed multiplication through progressive farmers.
- (2) Replacement of old variety with a fresh lot of quality seed.
- (3) Ensuring adequate seed supply.
- (4) Increase in productivity of different crops.

2.1.47 A sum of Rs.500.00 lac and Rs.100.00 lac for the 11th Five Year Plan and Annual Plan 2007-08 respectively has been provided for implementing this scheme.

2.2 SOIL AND WATER CONSERVATION

11th Plan Outlay - Rs 2401.00 lac
Annual Plan 2007-08 - Rs 439.62 lac

2.2.1 Out of the total geographical area of 50.36 lac hectares of the State, 42 lac hectares is under agricultural use and there is very little scope for further increase in land for agricultural use i.e bringing more area under cultivation to increase production. Thus, various soil conservation measures like land development, water harvesting, water management, conservation irrigation, field drainage, improvement of handicapped area, utilisation of sullage water, improvement of sub soiling etc. are essential to obtain the maximum return from the limited and highly valuable material resource i.e. land, for sustaining agricultural growth/productivity.

2.2.2 At present, the major concern is the decline of water table as 90% area of the state is facing a problem of falling water table. Most of these areas fall in the central part of Punjab. In 1964, the entire area of Central Punjab was having water table above 15 feet depth. With the inception of green revolution in the sixties, the water table started declining and the area having water table below 30 feet depth has increased from 3% in 1973 to 90% in 2004. During 1993-2003, the average fall of water table in the Central Punjab was 2 feet per year. However, in some of the areas, the fall of water table is even more than 3 feet per year. The maximum fall of water table was 3 feet/yr in Moga district followed by Sangrur and Patiala (2.3 feet/yr). In the central part, out of 70 blocks, in 40 blocks the water table has gone down below 50 feet depth and in these blocks submersible motors are being installed to replace the centrifugal pumps. The worst affected districts are Sangrur and Moga where water table has gone down below 50 feet depth in 12 blocks out of 13 and in 4 out of 5 respectively. Similarly in Patiala, out of 10 blocks, water table has gone down below 50 feet depth in 8 blocks. In Jalandhar

and Ludhiana the affected blocks are 6 in each case. At present, 30 % area of the central Punjab has water table below 70 feet depth. It is projected that by 2023 in central Punjab the water table depth will be below 70 feet in 66% area and below 100 feet in 34% area and below 130 feet in 7% area. Correspondingly in each district the per cent area below 70 feet depth will be 100% in Moga and Sangrur, 80% in Patiala, 70% in Ludhiana, 60% in Kapurthala and Jalandhar.

2.2.3 In the 10th Plan , an expenditure incurred was Rs.1275.45 lac. In the Annual Plan 2006-07 the expenditure incurred was Rs.492.16 lac.

Ongoing Schemes

Centrally Sponsored Scheme

SWC-1/SC(A)7.3 Centrally Sponsored Macro Management Work Plan for Soil Conservation Department (90:10)

*11th Plan Outlay - Rs 750.00 lac
Annual Plan 2007- 08 - Rs 150.00 lac*

2.2.4 A Centrally Sponsored Macro Management Work Plan duly approved by GoI was launched in the Annual Plan 2001-2002 with a ratio 90:10 between GoI and GoP. The Central Assistance to the States for the work plan will be in the ratio of 80% grant and 20% loan. The work plan has been formulated with the merger of the old Centrally Sponsored Schemes pertaining to encouraging irrigation through use of drip irrigation and treatment of catchment's area of Ghaggar River and incorporation of new programmes. The main objectives of the scheme are.

(1) **National Watershed Development Programme for Rainfed Areas:** The objective of the programme is enhancing the production of food grains and biomass in the selective watersheds of Kandi Area where irrigation level is less than 20% of the agriculture land on community blocks.

(2) **Treatment of catchment area of flood prone river Ghaggar and river valley project (Thein Dam):** Under the programme, soil conservation works will be done in the catchment area of River Ghaggar falling in Punjab State to check Soil erosion in the sensitive identified watershed of very high priority. The programme will also be implemented in the direct draining Watersheds of River Valley Project (Thein Dam).

(3) **Efficient use of irrigation water:** The programme is aimed at utilizing the irrigation water judiciously through efficient use of irrigation system like drip and micro irrigation system and also conduit system of irrigation. Subsidy will be provided under drip on the norms fixed by the Government of India from time to time. 25% subsidy will also be provided on under ground pipe line system.

2.2.5 An outlay of Rs.537.05 lac has been provided under the scheme for 10th Plan (Rs.80.00 lac as State Share and Rs. 720.00 lac as GOI) and Rs. 80.00 lac in Annual Plan 2006-07, which was revised to Rs. 80.61 lac in 2006-07. An expenditure of Rs.174.15 lac (on State Plan side) was incurred during 2002-07 and Rs. 99.58 lac in 2006-07.

SWC-2/SC(A) 7.7 Centrally Sponsored Scheme on Micro Irrigation (80:20)

*11th Plan Outlay - Rs 500.00 lac
Annual Plan 2007-08 - Rs 100.00 lac*

2.2.6 This scheme on micro irrigation has been started from the year 2005-06 on (80:20) basis with the objective to promote efficient utilization of irrigation water and promotion of horticulture of the state. The scheme is very important for Punjab state in the present scenario where diversification in agriculture is the need of the time and also the depleting ground water resource is a cause of concern. The Micro-Irrigation techniques will go a long way to solve the problem of ground water depletion.

2.2.7 The main feature of the programme is that out of the total cost of the Micro Irrigation System, 40% will be borne by the Central Government, 10% by the State Government and the remaining 50% will be borne by the beneficiary either through his/her own resources or soft loan from financial institutions. Assistance to farmers will be for covering a maximum area of 5 ha per beneficiary family. Assistance for drip and sprinkler demonstration will be 75% of the cost for a maximum area of 0.5 ha per beneficiary which will be met entirely by the Central Government. The focus will be on horticultural crops being covered under the National Horticulture Mission. Assistance will be available to the farmers growing all horticultural crops like fruit, vegetables including potato, onion and other root and tuber crops, spices, medicinal and aromatic plants, all plantation crops excluding tea, coffee, rubber and oil palm etc. The expenditure during 2006-07 was Rs 112.64 lac.

SWC-3/SC(A)7.5 Scheme for Special problem and degraded soils (under TDET Scheme) (60:40% State Share only)

*11th Plan Outlay - Rs 200.00 lac
Annual Plan 2007-08 - Rs 9.52 lac*

2.2.8 This scheme is proposed for reclamation of special problematic areas and degraded soils by implementing projects funded by the Government of India under its Technology Development, Extension and Training (TDET) programme.

2.2.9 The GoI Department of Land Resources, Ministry of Rural Development provides assistance to the States under its Scheme for waste lands

development in Non-Forest Areas for individual project proposals for reclamation of ravenous and Gullied Lands under TDET. The department has proposed 5 projects of getting assistance under the scheme for reclamation of problematic and degraded soils and ravenous and gullied land. The major activities proposed under these projects include surface and sub surface drainage, biological drainage, flood water harvesting, downward drainage, bench terracing, land leveling, masonry drop structures, field bunding, planation, sand scrapping, desilting of ponds, roof-top and surface water harvesting and artificial recharging, soil health improvement, increasing irrigation efficiency, precision leveling and demonstration of high value crops.

2.2.10 The Scheme shall be implemented in the districts of Sangrur, Patiala, Amrtisar, Gurdaspur and other districts for which the projects shall be sanctioned by GoI and the State Government

Major objectives and likely benefits are:

- (1) Life-saving irrigation shall be provided.
- (2) Artificial recharging shall help in sustaining our ground water resources.
- (3) On-farm conservation of irrigation water.
- (4) The scheme shall help in creating awareness among people.
- (5) The scheme shall help in restoring ecological balance by conserving underground water resources.

State Funded Schemes

SWC-4/SC(A)3.1 Soil and Water Conservation on Watershed basis in Kandi Areas

11th Plan Outlay - Rs 750.00 lac
Annual Plan 2007-08 - Rs 150.00 lac

2.2.11 The Scheme is mainly meant for undertaking soil and water conservation works in those areas of Kandi areas of the state. The proposed watershed development activities include drainage line treatment, water resource development like water harvesting, perennial flow tapping, lift irrigation, rainwater harvesting for natural ground water recharging, field run-off control structures etc. It is also proposed to develop the land in the command area of micro level irrigation projects of Soil Conservation, Low Dams of Irrigation department and command area of Kandi canal and tubewells, so that water is efficiently used for getting maximum benefits. All the works under this scheme shall be community works and the Water Harvesting Structures will be operated and maintained by the User Groups. 100% cost will be borne on these community projects under the scheme. The scheme shall be implemented in the Kandi area of the state falling in the districts of Ropar, Nawanshaher, Hoshiarpur, Gurdaspur and Part of Patiala.

2.2.12 The outlay approved in the 10th Plan was Rs.1600.00 lac and the expenditure incurred was Rs. 234.27 lac The expenditure during 2006-07 was Rs 100.00 lac.

SWC-5/SC(A)6.1 Provision for Machinery Division at the Headquarter

11th Plan Outlay - Rs. 200.00 lac
Annual Plan 2007-08 - Rs. 30.00 lac

2.2.13 The scheme is for operation of the machinery (5 Bulldozers, 1 excavator-cum loaders, 3 tractors) division located at headquarters which caters to the machinery requirement in the field for undertaking various soil conservation works.

2.2.14 The outlay approved in the 10th Plan was Rs.2.33Cr and the expenditure incurred was Rs..80.00 lac. The expenditure during 2006-07 was Rs 30.00 lac.

SWC-6/SC(A) Externally aided Project for Rainwater Harvesting, Ground Water Recharging(85:15)

11th Plan Outlay - Rs. 1.00 lac
Annual Plan 2007-08 - Rs. 0.10 lac

2.2.15 Japanese Bank of International Cooperation(JBIC) funded project on conservation and management of Soil and Water and ground recharge to tune of Rs. 407.99 crore has been submitted to Government for approval. As per the present JBIC guidelines, the sharing pattern comprises of 85% JBIC share as loan, 15% State share and 5% beneficiary share. The proposal is under consideration, accordingly a token provision of Rs.0.10 lac has been made in the annual plan 2007-08.

2.3 FORESTRY AND WILD LIFE

11th Plan Outlay - Rs. 14337.50 lac
Annual Plan 2007-08 Outlay - Rs. 3702.50 lac

2.3.1 Punjab being a predominantly agricultural state is deficient in forest wealth. Against the norms of 33% forest cover as prescribed in the National Forest Policy 1988, Punjab has 6.13% area under forests. Moreover, on account of high population density, the per capita forest area is only 0.01 ha against the national average of 0.8 ha. (which itself is far below the world per capita forest area).

2.3.2 Ecological and environmental considerations also require that Punjab immediately increase its forest/tree cover from the present level of only 6% to a minimum of 15% of its geographical area.

2.3.3 The total area notified as forests in Punjab at present is 305570 ha, which is about 6% of the geographical area of the State. Breakup of this area according to legal status is given as under:-

SN	PARTICULARS	Area (ha)
A.	GOVERNMENT FORESTS	
1	Reserve Forests	4336
2	Protected Forests	41252
3	Strip forest (Roads, Railways, Canals, Drains)	73582
4	Unclassed Forests	19083
	Total Government Forests	138253
B.	PRIVATE FORESTS	
5	Area closed under section 4 and 5 of the Punjab Land Preservation Act, 1900 and section 38 of the Indian Forest Act, 1927.	167317
	Total Private Forests	167317
	Grand Total	305570

2.3.4 The main commercial species in Punjab have traditionally been Shisham, Kikar and Eucalyptus. However, diversification to other species is being done and species like Teak, Tun, Gmelina, Neem, Siris, Mulberry, Burma Neem, Ailanthas, Drek, Rajain, Simal, Bamboos, Arjunm Bahera, Arnala, Jamun, Mango, Poplar etc. suitable for yielding timber and fruits are also fast becoming popular.

2.3.5 Due to effective planning and implementation of the Government forest policies, the forest cover in the State is showing steady increase. The data incorporated by the Ministry of Environment and Forests in the 'State of Forests Report' gives the position of forests for each State in different years. The State of Forests Report, 2001 has given the forest and tree cover in Punjab as 8.1% of the total geographical area of the State. Major schemes of the Sub-head are as under:-

On going schemes

Centrally sponsored/funded schemes

FT-1/FT 2.8 Externally-Aided Forestry Development Project

11th Plan Outlay - Rs. 6000.00 lac
Annual Plan 2007-08 Outlay - Rs. 3000.00 lac

2.3.6 It is an externally aided project which is being implemented in the State with the assistance of JBIC (Japan Bank of International Cooperation) The operation period for this project which was for 8 years i.e. from 1997-98 to 2004-05, has now been extended up to 31/3/09. The original project cost was Rs. 40810.00 lac against which an amount of Rs. 25081.00 lac was spent during the first tranche (up to 30/11/2002) of the project. Upto 30/11/2002 (first tranche) an

area of 58481 hecta was covered under the project. The 2nd tranche of the project commenced from 1/12/ 2002 and is scheduled to end in March 2009. The estimated project cost for 2nd tranche is Rs. 262.61 Crore.

2.3.7 The Japan Bank for International Cooperation (JBIC) assisted Punjab Afforestation Project aims at improvement in the production of fuel wood, small timber, fuel, fodder and livestock and for reduction in flooding in the plains below. It also seeks to lay the foundation for sustainable increase in production to keep pace with the population growth. In keeping with the past experience, the project would promote known vegetative technologies and strengthen the management of non-arable lands through the adoption of participatory management approach. Proven vegetative technology, which is cost effective and replicable over a wide area has been promoted. The treatments under this technology include shrubs and trees in contour trenches, gully stabilization, stream bank protection, silt detention dams, water harvesting structure etc., which would conserve soil and moisture both in arable and non arable lands, improve ground water recharge and increase the production capacity of the land.

2.3.8 In the plains, the objective has been the reclamation of saline and alkaline lands, waterlogged areas and other degraded lands through afforestation by adopting special soil conservation working techniques. The project provides for enrichment planting, silvipasture and bamboo planting along with agro forestry in the Shivalik belts.

2.3.9 The main activities on which stress is being laid in the Second Tranche are Green House construction and maintenance, species provenance trials, post harvest treatment of wood, soil amelioration and factors effecting tree growth. Besides, new projects to update the existing works and the incomplete studies would be taken up to their logical conclusion.

2.3.10 The works undertaken under this Project have been evaluated/monitored through both in-house departmental means and also through independent external agencies i.e. Tata Energy Research Institute (TERI) and Consulting Engineering Services (India) Pvt. Ltd., New Delhi.

2.3.11 The completion date of the project has been extended from 31st March, 2007 to 31st March, 2009. During this period balance soil conservation works, farm forestry, Research and Training, Monitoring/Evaluation of the project, Extension/ education and maintenance of 20900 ha plantations raised in earlier years will be undertaken.

2.3.12 An outlay of Rs.22950.00 lac was provided under the scheme for the 10th Plan against which an expenditure of Rs.22515.68 lac was incurred . During the 11th plan period, it is proposed to transfer the salary component under

the project to non plan side. An amount of Rs.6000.00 lac and Rs 3000.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-2/FT 5.13 Development of Forests (12th Finance Commission)

11th Plan Outlay - Rs. 200.00 lac
Annual Plan 2007-08 Outlay - Rs. 40.00 lac

2.3.13 This scheme has been included (2005-10) on the recommendation of the 12th Finance Commission for the maintenance of forests which has recommended preparation and implementation of scientific work plans for management of forests for the country as a whole. Punjab has already got working plans approved for all the forest areas from Government of India. The scheme is intended to review the implementation of existing plans, preparation of new plans in place of the expired ones, updation of growing stocks of forests which include enumeration of trees on forest lands, demarcation and survey of forests, preparation of high quality forests maps of some selected areas using modern tools and techniques and up-gradation of existing facilities related to collection, compilation and retrieval of field data.

2.3.14 An expenditure of Rs.36.18 lac has been incurred under the scheme during 10th Plan. An amount of Rs.200.00 lac and Rs 40.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-3/FT 5.5 Assistance for Development of Selected Zoos (50:50)

11th Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 50.00 lac

2.3.15 The objective of the scheme is to acquaint people with the wild animals and to educate them about the preservation of wildlife and its importance to mankind. For the maintenance and development of Chhatbir Zoo, Ludhiana Zoo and Deer parks, central assistance under this scheme is obtained to supplement the State resources for various works like repair and re-carpeting of roads in the Zoos, running education programmes, publicity and awareness campaigns, vehicles such as tractors and pickup vans, tankers, installing public health facilities such as water supply, tubewells, treatment plants, communication network and development of other infrastructure development.

2.3.16 No expenditure has been incurred during 10th Plan. An amount of Rs.250.00 lac and Rs.50.00 lac each as state share and corresponding Government of India's share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-4/FT 5.12 Integrated Forest Protection Scheme(75:25)

11th Plan Outlay - Rs. 187.50 lac
Annual Plan 2007-08 Outlay - Rs. 37.50 lac

2.3.17 The scheme was introduced by the Government of India on 75:25 Central-State funding pattern during 2003-04. The aim of the scheme is to curtail the damage due to fire, by creation and maintenance of fire lines, construction of watch towers, and construction of water storage and deployment of fire watchers. This scheme is also intended to create awareness amongst the people in this regard through JFM(Joint Forest Management) and organizing the camps. Staff shall also be trained in prevention and fighting the forest fire. The scheme also provides for strengthening of infrastructure for forest protection by improved mobility and communication network, modern information technology systems, buildings for forest protection offices and residence for the frontline staff etc.

2.3.18 No expenditure has been incurred during 10th plan. An amount of Rs.187.50 lac and Rs 37.50 lac as state share and Rs 562.50 lac and Rs 112.50 lac as Government of India's share has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

State funded schemes

FT-5/FT 2.4 Farm Forestry

11th Plan Outlay - Rs. 1000.00 lac
Annual Plan 2007-08 Outlay - Rs. 200.00 lac

2.3.19 The objective of the scheme is to increase the tree cover in the State by way of planting trees along the field boundaries and other available lands of private people. Under this scheme, plants are raised in the departmental nurseries and are supplied to the public at rates fixed by the Government. In addition to providing fuel wood and small timber for local needs, the plantation raised under this scheme will also produce raw material for wood based industries.

2.3.20 An outlay of Rs.250.00 lac was provided under the scheme for the 10th Plan against which an expenditure of Rs.89.96 lac was incurred. An amount of Rs.1000.00 lac and Rs.200.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT -6/FT 4.4 Forest Research.

11th Plan Outlay - Rs. 100.00 lac
Annual Plan 2007-08 Outlay - Rs. 10.00 lac

2.3.21 Forest Research is an essential requirement to bring the department abreast of all the latest scientific developments in this sector and also to conduct research trials prior to adoption of new techniques in the field.

2.3.22 To make up for the slow pace of research activities in the past, a two pronged approach has been adopted under the project. An independent Research Circle has been established under the charge of a Conservator of Forests with Headquarters at Hoshiarpur, which has been assigned the work of species and provenance trials, collection and distribution of quality seeds etc. Simultaneously, a number of research projects of importance to the Department have been started in collaboration with premier research institutes of the region.

2.3.23 An outlay of Rs. 25.00 lac was provided under the scheme for the 10th Plan against which no expenditure has been incurred. An amount of Rs.100.00 lac and Rs.10.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-7/FT 5.10 Providing Fencing to Wild-Life Sanctuaries-Bir Moti Bagh, Bir Gurdialpura, Bir Bhunerheri, Bir Bhadson, Bir Ashwan, Bir Mehs and Bir Dosangh

*11th Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac*

2.3.24 There are eleven wildlife sanctuaries in the State. These areas have number of species of wild animals such as Blue Bulls, Wild Bear, Monkey, Hog Deer, Jackal, Jungle cat etc. Only three sanctuaries i.e. Bir Gurdialpura, Bir Bhunerheri and Bir Moti Bagh are partly fenced. One Sanctuary Bir Ashwan in Sangrur district is being fenced. There are always complaints from the farmers having agriculture lands adjoining these sanctuaries of damage to crops by the wild animals. In order to keep the wild animals inside the sanctuaries, it is essential that these sanctuaries are fenced with chain link, so that man-animal conflict is minimized. During the 11th Plan, it is proposed to fence 140 km of the periphery of 10 sanctuaries.

2.3.25 An outlay of Rs. 800.00 lac was provided under the scheme for the 10th Plan against which an expenditure of Rs.60.00 lac was incurred. An amount of Rs. 500.00 lac and Rs.100.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-8/FT 5.11 Plantations on Non Forest Government and Institutional Lands including Urban Planting

*11th Plan Outlay - Rs. 1000.00 lac
Annual Plan 2007-08 Outlay - Rs. 150.00 lac*

2.3.26 It is proposed to take up following programmes for extending the forest area by raising plantations on other non forest areas owned by Government/ Institutions under the scheme-

(1) Departmental Planting on Non-Forest Government/Institutional Lands

As large area is available for plantation with Government/Institutions like Punjab State Electricity Board, Punjab Small Industries and Export Corporation, Punjab State Agricultural Marketing Board etc. which are presently lying waste and these Institutions/Departments lack the necessary know how to successfully afforest these lands, it is proposed to enter into suitable agreements with these Institutions/Government Bodies whereby the land will be made available to the Forest Department for raising/maintaining plantations at cost to be initially borne by the Forest Department and later reimbursed upon maturity of the plantations.

(2) Supply of Plants to Army, Para Military and Educational Institutions

The Army, Air Force, Police and Para-Military forces (PAP, BSF, CRPF etc.) and Educational Institutions etc. have considerable unutilized lands at their disposal which they are keen to bring under tree cover for environmental, aesthetic and economical reasons. They also have the man-power to undertake the afforestation/maintenance work and the infrastructure for protecting the same. However, they do not have adequate funds for purchase of the saplings to be used for plantations.

2.3.27 In order to promote the cause of increasing the green cover of the State, it is proposed to provide the saplings free of cost to the army, air-force, para-military forces and educational institutions etc. for raising plantations on their own lands.

(3) Urban Plantation

2.3.28 As all the large cities and towns of Punjab are facing an acute problem of environmental pollution and the situation has become so alarming that in many cities it is even becoming difficult to breathe properly, it is proposed to undertake the new activity of 'Urban Planting' to provide much needed shade and aesthetic beauty to the ugly urban conglomerates.

2.3.29 An outlay of Rs.3000.00 lac was provided under the scheme for the 10th Plan against which an expenditure of Rs. 177.05 lac was incurred . An amount of Rs.1000.00 lac and Rs150.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

FT-9/Ft 5.4 Provision for Tiger Safari at Ludhiana:

11th Plan Outlay - Rs. 100.00 lac
Annual Plan 2007-08 Outlay - Rs. 15.00 lac

2.57 A modern Zoological Park at Chhatbir near Chandigarh has already been set up by the Punjab Government. The number of tigers in the Chhatbir Zoo has increased considerably and the available space is inadequate for keeping them in a proper environment. There is also grave danger to the life of the animals in the event of outbreak of any epidemic or viral disease. A tiger Safari has, therefore, been established at Ludhiana for accommodating the excess population of Chhatbir Zoo. The funds provided under the scheme are meant for the maintenance of the safari and taking up certain minor works of development. An outlay of Rs.50.00 lacs has been provided for the 10th Plan against which an expenditure of Rs. 48.00 lacs has been incurred. . An amount of Rs. 100.00 lac and Rs.15.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

New Scheme

FT-10 Punjab Forestry and Watershed Development Project

11th Plan Outlay - Rs. 5000.00 lacs
Annual Plan 2007-08 Outlay - Rs. 100.00 lacs

To protect and conserve the wild life and maintain the remaining biodiversity, the following new schemes/projects would be taken up during the 11th Plan period:-

(a) Punjab Forestry Development Project

The overall objectives of the project are to build the capacity of the rural communities to improve the natural environment and maintain land fertility through sustainable management of natural resources undertaken in a participatory manner, with the expected results of increased wood production, improved productivity of common and private lands and greater involvement of stakeholders, including women, in planning and management of common property resources. The project would be implemented in 1021 villages spread out in 15 districts.

(b) Punjab Watershed Development Project

The project will be implemented in 172 villages of 27 sub watersheds in 5 districts i.e. Mohali, Ropar, Nawanshehar, Hoshiarpur and Gurdaspur. Excluding the area of sub watersheds covered under the IWDP Hills and JBIC Projects.

(c) Protection, conservation, management and development of protected area network

The objective is to focus on the existing Wildlife Sanctuaries of the State to improve their habitat to make it suitable for wildlife and to bring more forest

blocks in Shiwalik Hills and Plains under protected area network of the State by developing them into suitable wildlife habitat.

(d) Establishment of Forest Awareness Parks in the State

To make the cities ecologically secure by developing and managing its natural resources in a sustainable way, conserving bio-diversity of forests and wildlife and increasing the forest/trees cover through extensive plantation of appropriate species in a scientific and professional manner, 20 environmental parks will be developed in the cities by the concerned Forest Divisions.

Centrally Sponsored Schemes (100%)

CS(FT)-1/CS 1 Assistance for the Development of Sanctuaries (100% CSS)

11th Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac

2.3.30 This 100% Centrally Sponsored Scheme aims at development of Wild Life Sanctuaries viz Harike Bird Sanctuary, Abohar Wildlife Sanctuary, Bir Gurdialpura Sanctuary, Bir Motibag Sanctuary and Bir Bhunerheri Sanctuary. Works like fencing of the areas, construction of ponds and water holes, construction of check posts, education and scientific studies on Wildlife will be undertaken under this scheme. Machinery and vehicles like tractors, engines, motorboats and projectors will also be purchased. Residential quarters for the field staff will also be constructed under this scheme. An amount of Rs.250.00 lac was provided in the 10th Five Year Plan against which an expenditure of Rs.4.17 lac was incurred. An amount of Rs.500.00 lac and Rs.100.00 lac has been provided for the 11th Plan and Annual Plan 2007-08 respectively.

2.4 ANIMAL HUSBANDRY

11th Five Year Plan Outlay - Rs.11054.65 lac
Annual Plan 2007-08 Outlay - Rs. 1722.25 lac

2.4.1 There being the limited scope of further addition to the net area sown in the state, diversification of state agriculture through allied activities comprising animal husbandry, commercial dairying, fisheries has acquired added significance in the reduction of income disparities between rural and urban population. Livestock keeping alongwith marketing services, manufacture of livestock products, inputs and other subsidiary and supporting industries offer a great scope for gainful employment to the expanding labour force, small and marginal farmers and agricultural labour and thus helps to raise the standard of living of rural population especially of weaker sections of the society.

2.4.2 The whole subject of animal husbandry revolves around the major programmes (i) Animal Health (ii) Animal Production (iii) Fodder Production. Major achievements of the departments are:-

- (1) With the agriculture production already at its saturation point, there is a dire need to exploit the livestock sector. The innovative and hard working farmers of the State have made it possible to contribute the maximum share in the central pool of milk (11% approx.)
- (2) Annual milk production in the State was 89.08 lac MT during 2005-06 and likely achievement is 92.70 lac MT during 2006-07. The per capita availability of milk is 930 grams, which is highest in the country.
- (3) **Veterinary University-** In order to focus on research, education and extension and development in the livestock sector, a separate Veterinary University has been set up at Ludhiana from 6th April, 2006.
- (4) **Semen Banks-** The Animal Husbandry Department has brought in substantial improvement in the genetic potential of the dairy animals. There are two ISO 9001-2000 certified Semen Banks at Nabha and Ropar from where quality semen is supplied to the farmers through the hospitals and dispensaries.
- (5) **Creation of Disease Free Zone-** Eight districts of the State are covered under Government of India sponsored scheme under Foot and Mouth Disease Control Programme (FMDCP), whereas remaining 12 districts are covered under Assistance to States for Control of Animal Diseases (ASCAD) Scheme. Under this programme, all animals are given FMD vaccination so as to make them free from disease. The ultimate aim is to boost the export of livestock and livestock products to the developed countries.
- (6) **Network of Veterinary Institutions-**The Department has a network of veterinary institutions (Hospital and Dispensaries). There are 1378 Hospitals and 1478 Dispensaries in the State to provide health cover to the animals. 582 Veterinary Hospitals out of the above cited number have been shifted to Panchayati Raj Institutions (PRI's) during the year 2006-07.
- (7) **Regional Disease Laboratory at Jalandhar-** The department has Government of India funded lab which caters to the needs of seven Northern States. This is a high-tech lab with all modern diagnostic facilities.
- (8) **“Turkey Farming”** has been introduced for providing self employment to educated unemployed youths of rural areas.
- (9) **Fodder Seed-** The Department is supplying fodder seeds of high yielding varieties to the livestock owners through registered growers for increasing fodder production.
- (10) **Livestock Insurance Scheme-** For safeguarding the precious livestock of the farmers from many infectious and contagious diseases, the department has introduced Government of India sponsored Livestock Insurance Scheme in the State. In this scheme, 50% of the premium is

given by the Punjab Livestock Development Board and the remaining 50% is borne by the farmer.

2.4.3 An expenditure of Rs.477.10 lac has been incurred during the 10th plan against the approved outlay of Rs.5260.56 lac. An outlay of Rs.11054.65 lac and Rs.1722.25 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively. The schemes which are to be implemented under the sub-head are as under:-

Ongoing Schemes

Centrally Sponsored Schemes

AH-1 Scheme for Ambulance services to animals in distress (90:10)

*11th Five Year Plan Outlay - Rs. 154.65 lac
Annual Plan 2007-08 Outlay - Rs. 29.75 lac*

2.4.4 The Department of Animal Husbandry is very keen to provide ambulance services to animals in distress in the State as large number of domestic, stray and uncared animals need care and protection particularly in times of natural calamities such as floods, droughts, forest fires etc. In addition, animals frequently suffer from injuries and disabilities as a result of road accidents or diseases.

2.4.8 Government of India in the Ministry of Environment and Forests, Animal Welfare Board of India has a scheme for ambulance services to animals in distress. An outlay of Rs.154.65 lac and Rs.29.75 lac has been provided in the 11th Five Year Plan and Annual Plan 2007-08 respectively.

AH-2/3.9 Assistance to States for control of animal diseases/creation of Disease Free Zone(75:25)

*11th Five Year Plan Outlay - Rs. 500.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac*

2.4.5 The aim of this scheme is to control livestock diseases and to make livestock rearing a more economic proposition. Intensive vaccination programmes would be taken up for the control of the diseases. Procurement of vaccines and modernization of the veterinary vaccine institute will be taken up. An expenditure of Rs.134.12 lac has been incurred in the 10th Five Year Plan against the outlay of Rs.125.00 lac. An outlay of Rs.500.00 lac and Rs.100.00 lac has been provided for the 11th Five Year Plan and Annual Plan 2007-08 as 25% State Share respectively.

AH-3/9.11 Fodder Seed Production and distribution for Milkfed Punjab under Fodder Development Programme (75:25)

11th Five Year Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs .47.50 lac

2.4.6 The main objective of the scheme is to encourage fodder cultivation by multiplication and distribution of fodder seed and secondly to augment fodder seed production through buy back arrangements of fodder seed by the State from farmers. The salient features of the scheme are as under :-

- (1) The high yielding varieties of breeders/certified fodder seed suitable for the different regions of the State are being identified by the Milkfed and provided to selected breeders/farmers with assurance to buy back the fodder seed.
- (2) Subsidy is being provided for procurement of fodder seed produced by breeders/farmers.

2.4.7 This scheme will be implemented on 75:25 sharing basis between Centre and State. The subsidy portion of 25% on procurement of seeds will be provided by the State Government. An outlay of Rs.250.00 lacs and Rs.47.50 lacs has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

AH-4/10.16 Integrated Sample Surveys and cost of production of milk and egg (50:50)

11th Five Year Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 45.00 lac

2.4.8 The cost of production study for milk and egg is an important study. It is proposed to carry out this study in 4 districts of the State to ascertain fluctuations in cost of production on the basis of area. The cost studies are very useful in formulating policies relating to the procurement price, trade control, subsidization, tariff determination etc. An outlay of Rs.250.00 lac and Rs.45.00 lac have been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

AH-5/3.2 Setting up of new and strengthening of existing Veterinary Polyclinics (ACA 2006-07)

11th Five Year Plan Outlay - Rs. 400.00 lac
Annual Plan 2007-08 Outlay - Rs. 400.00 lac

2.4.9 The main objective of the scheme is to improve the quality of veterinary services and to provide health cover to the animal wealth of the state. Under this scheme, funds are provided for the construction of new and strengthening of existing Veterinary Polyclinics. A sum of Rs.500.00 lac as one

time ACA was provided in the annual plan 2006-07 for this purpose. However, an amount of Rs.100.00 lac was released to the Department during 2006-07 out of Rs.500.00 lac. An outlay of Rs.400.00 lac has been provided in the 11th Five Year Plan and in the Annual Plan 2007-08.

State Funded Scheme

AH-6/3.5 Establishment of Sh. Guru Angad Dev University of Veterinary and Animal Sciences at Ludhiana

11th Five Year Plan Outlay - Rs. 9000.00 lac
Annual Plan 2007-08 Outlay - Rs. 1000.00 lac

2.4.10 An amount of Rs.1000.00 lac was provided in the 10th plan for Setting up of the Veterinary & Animal Sciences University in the State against which an expenditure of Rs.100.00 lac was incurred. An outlay of Rs.9000.00 lac has been provided for the 11th Five Year Plan and Rs.1000.00 lac has been provided in the Annual Plan 2007-08 under this scheme.

AH-7/3.3 Punjab State Animal Health Institute and Mobile Animal Health Care Units

11th Five Year Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 50.00 lac

2.4.11 For improving the animal health care in the State, there is a need for strengthening the State Animal Health Institute at Jalandhar. 45 Animal Health Care Units have already been set up at the District/Sub-divisional level in the State for providing veterinary services at the door steps of live-stock owners. During 11th Five Year Plan, Veterinary Vaccine Institute Ludhiana will be strengthened, Avian labs. would be set up in the Veterinary Poly Clinic for diagnosis and control of poultry diseases in the State and 28 more Mobile Animal Health Care Units would be set up in the remaining Sub-divisional levels in a phased manner. It is proposed to set up 12 new Mobile Units during 2007-08. No expenditure was incurred in the 10th Five Year Plan against the provision of Rs.400.00 lacs. An outlay of Rs.250.00 lacs and Rs.50.00 lacs has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

AH-8 Scheme for Development of Piggery Sector in the State

11th Five Year Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 50.00 lac

2.4.12 Presently about 1500-2000 piglets of superior germplasm are being produced from Pig Breeding Farms for further supply to the interested beneficiaries for fattening/breeding. The demand for piglets has increased but the

present strength of breed able stock maintained at these farms is not in a position to meet the enhanced demand of piglets. Therefore, strengthening of the existing Pig Breeding Farms is required to be undertaken. For this purpose breed able stock maintained at these farms will be increased and also the existing infrastructure of the farms will be renovated/updated. The expenditure will be done on the feeding, maintenance etc. of the additional breedable stock & on wages.

2.4.13 Besides strengthening of Government farms it is felt that private participation may be encouraged to escalate the supply of piglet. The Private new-tech/high-tech swine units/processing units may got established with Government Assistance with an objective of supplementing the Government efforts to make available superior quality piglet and to provide remunerative market to pig farmers by purchasing the grown up pig for processing. Such an arrangement will meet the increased demand of piglet in the State and also provide a remunerative market besides generating employment and wealth for the State. An outlay of Rs.250.00 lacs and Rs.50.00 lacs has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

Centrally Sponsored Schemes(100%)

CS(AH)-1 National Project on Rinderpest Eradication (100% CSS)

*11th Five Year Plan Outlay - Rs. 300.00 lac
Annual Plan 2007-08 Outlay - Rs. 60.00 lac*

2.4.14 The main objectives of the scheme are to strengthen the disease diagnostic capability of the State Laboratories and to carry out the activities of National Project on Rinderpest Eradication in order to satisfy the OIE(Office International Epizootes) specification so as to get the country declared free of rinderpest. An expenditure of Rs.53.68 lac has been incurred against the outlay of Rs.500.00 lac in the 10th Five Year Plan. An outlay of Rs.300.00 lac and Rs.60.00 lac has been provided for 11th Five Year Plan & Annual Plan 2007-08 respectively.

CS(AH)-2/3 Assistance to States for Integrated Piggery Development (100% CSS)

*11th Five Year Plan Outlay - Rs. 8.55 lac
Annual Plan 2007-08 Outlay - Rs. 8.55 lac*

2.4.15 The aim of the scheme is strengthening of pig breeding farms for production of quality piglets for the distribution among the pig breeders belonging to the weaker sections of the society and other farmers to give an impetus to piggery development in the state. No expenditure was incurred during 10th Five Year Plan. An outlay of Rs.8.55 lac has been provided for 11th Five Year Plan & for Annual Plan 2007-08.

CS(AH)-3/12 Livestock Census(100% CSS)

11th Five Year Plan Outlay - Rs. 600.00 lac
Annual Plan 2007-08 Outlay - Rs. 270.00 lac

2.4.16 The 17th quinquennial livestock census was carried out in Punjab State in the year 2003. This census was carried as per guidelines issued by Government of India with the existing sanctioned field staff of the Animal Husbandry Department. An expenditure of Rs. 134.22 lac was incurred against the outlay of Rs.110.00 lac in the 10th Five Year Plan towards incentive/rewards and payments to the staff engaged on casual labour. An outlay of Rs.600.00 lac and Rs.270.00 lac has been provided for 11th Five Year Plan & Annual Plan 2007-08 respectively.

**CS(AH)-4/47 Animal Disease Management and Regulatory Medicines-
Establishment of Regional Disease Diagnostic Lab. (100%
CSS)**

11th Five Year Plan Outlay - Rs. 638.00 lac
Annual Plan 2007-08 Outlay - Rs. 140.00 lac

2.4.17 The objective of the scheme is to strengthen the regional disease diagnostic lab. Jalandhar so as to make it a model one to meet national/international standards. An expenditure of Rs.172.43 lac was incurred against the outlay of Rs.839.50 lac in the 10th Five Year Plan. An outlay of Rs.638.00 lac and Rs.140.00 lac has been provided for 11th Five Year Plan & Annual Plan 2007-08 respectively.

CS(AH)-5/52 Foot and Mouth Disease Control Programme(100% CSS)

11th Five Year Plan Outlay - Rs. 2250.00 lac
Annual Plan 2007-08 Outlay - Rs. 450.00 lac

2.4.18 The main objective of this scheme is to take up intensive Foot and Mouth Disease Programme in the 8 selected districts(i.e. Gurdaspur, Amritsar, Ferozepur, Bathinda, Mansa, Sangrur, Patiala and Fatehgarh Sahib) of the state for the control of foot and mouth disease. An expenditure of Rs.325.39 lac was incurred in the 10th Five Year Plan. An outlay of Rs.2250.00 lac and Rs.450.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

**CS(AH)-6/53 Assistance to State Poultry Farms-Strengthening of
Government Poultry Farms (100% CSS)**

11th Five Year Plan Outlay - Rs. 10.20 lac
Annual Plan 2007-08 Outlay - Rs. 10.20 lac

2.4.19 The objective of the scheme is to supply day old chicks of low inputs technology to the poor and new beneficiaries interested in poultry farming where there is no organized poultry farming. These farmers will be imparted training in rearing and management of these poultry birds which are hardy and resistant to diseases and can be easily reared by farmers in the form of backyard farming. Day old chicks will be produced at Government Poultry Farm Patiala and will be distributed to the target group. An amount of Rs.10.20 lac has been provided for 11th Five Year Plan and for Annual Plan 2007-08.

CS(AH)-7/54 Conservation of threatened breeds of small ruminants, pigs, pack animals and equines (100% CSS)

11th Five Year Plan Outlay - Rs. 200.00 lac
Annual Plan 2007-08 Outlay - Rs. 85.50 lac

2.4.20 The objective of the scheme is the conservation and development of horses of Sindhi breeds in the state. An expenditure of Rs.19.70 lac was incurred against an outlay of Rs.90.00 lac during 2006-07. An outlay of Rs.200.00 lac has been provided for 11th Five Year Plan and Rs.85.50 lac for Annual Plan 2007-08.

CS(AH)-8/55 Scheme for stray cattle at Kothi Rani Dhee and other problematic districts (100% CSS)

11th Five Year Plan Outlay - Rs. 360.00 lac
Annual Plan 2007-08 Outlay - Rs. 180.00 lac

2.4.21 There are about 94000 stray cattle in the Punjab. The problem is more prominent in the Districts of Patiala, Bathinda, Mansa and Sangrur and in Kandi area. Stray cattle are a source of a variety of problems of the society. The above mentioned programme is being implemented so that the stray cattle are able to pass off their unproductive and useless days in peace. The Department has prepared a project on 17 acre land for the stray cattle at Kothi Rani Dhee near

Nabha. The total cost of the project is Rs.180.00 lac with the following financial detail:

(Rs. lac)	
Major Works	120.70
Minor Works	2.00
M&S	50.30
OE	5.00
POL	2.00
Total	180.00

2.4.22 The project has already been submitted to Ministry of Social Justice & Empowerment, Government of India for release of funds under 100% CSS. An

outlay of Rs.360.00 lac has been provided for 11th Five Year Plan under this scheme and Rs.180.00 lac in the Annual Plan 2007-08 for this purpose.

CS(AH)-9/56 Bio-Technology Research Projects under Fodder Development (100% CSS)

11th Five Year Plan Outlay - Rs. 360.00 lac
Annual Plan 2007-08 Outlay - Rs . 71.92 lac

2.4.23 The component “Fodder Seed Distribution” is proposed to be implemented by the Animal Husbandry Department and the component “Bio-Technology Research Projects” is to be implemented by Department through Punjab Agricultural University, Ludhiana. Entire amount provided by Govt. of India as 100% Central Assistance will be given to PAU Ludhiana as grant-in-aid for the implementation for this component. The main objective of this scheme/component “Bio-Technology Research Project” is to improve the productivity of fodder crops. At present approximately 23.00 Kg. of fodder per animal is available against the requirement of 40.00 Kg. This gap between demand and supply is likely to widen further due to increased pressure as a result of growing more foodgrains, oilseeds and commercial crops. This scheme could not be implemented during 2006-07. An outlay of Rs.360.00 lac has been provided in the 11th Five Year Plan and Rs.71.92 lac for Annual Plan 2007-08 under this scheme respectively.

CS(AH)-10/30 Modernization/improvement of slaughter houses and establishment of carcass Utilization Centres (100%)

11th Five Year Plan Outlay - Rs. 100.00 lac
Annual Plan 2007-08 Outlay - Rs . 100.00 lac

2.4.24 Under this scheme, the unspent amount of Rs.100.00 lac Central share which is required to be refunded to Government of India has been provided in the Annual Plan 2007-08 and 11th Five Year Plan.

New Schemes

Centrally Sponsored Schemes (100%)

CS(AH)-11/58 Scheme for birth control and immunization of Stray Dogs (100% CSS)

11th Five Year Plan Outlay - Rs. 700.00 lac
Annual Plan 2007-08 Outlay - Rs. 306.00 lac

2.4.25 The prevailing system of indiscriminate destruction of stray dogs to control their population and to minimize the incidence of rabies has not succeeded as per expectations. The municipal bodies have been killing stray dogs under the pretext of controlling rabies by Health Department. Though the Animal Welfare

Board of India have been trying to control the dog population by encouraging the voluntary organizations to conduct sterilization programmes but the same have not had much impact owing to limited funding. A shift in policy to an alternative and more humane system of sterilization-cum-immunization is required for proper dog control and management. The basic objective of this scheme is to control the population of stray dogs by sterilization and reduce the incidence of rabies by immunization. The sterilization-cum-immunization of stray dogs will be conducted zone/colony wise and proper records will be maintained. Immunization of stray dogs will be conducted in the locality itself to assure the community about the safety from stray dogs.

2.4.26 Under this scheme, financial assistance is given to the Animal Welfare Organizations (AWOs)/Societies for Prevention of Cruelty to Animals (SPCAs) working under the municipalities for:-

(1)	Animal birth control of stray dogs through sterilization @ Rs.300 per dog.	= 300.00
(2)	Immunization of stray dogs to reduce the incidence of Rabies @ 40.00 per dog.	= 40.00
	Total	= 340.00

2.4.27 Under this scheme, the funds will be provided to the AWOs/SPCAs working under municipalities/rural areas by the Ministry of Social Justice and Empowerment on receipt of the application in the prescribed Performa and subject to terms and conditions laid down for this purpose. An outlay of Rs.700.00 lac and Rs.306.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

CS(AH)-12/59 Construction of Animal Shelters (Gaushalas) (100%CSS)

11th Five Year Plan Outlay - Rs. 2500.00 lac
Annual Plan 2007-08 Outlay - Rs. 500.00 lac

2.4.28 Stray Cattle are a source of variety of problems to the society, stray Cattle population in the State is rising day by day. At present, there are about one lac stray cattle in Punjab. They feed themselves on the standing crops and thereby destroy the valuable crops of the farmers. Besides they cause traffic hazards as they move freely on the busy roads and prefer to rest in the middle of the roads. These stray cattle sometimes cause physical injuries to the people. The cow dung here and there causes environment pollution. In the process, the stray cattle sometimes suffer badly due to starvation, accidents and unkind behaviour of the people. So, there is a dire need to provide facilities for the rehabilitation of the stray cattle (especially for cows) keeping in view the interest of society and the cattle themselves. The reasonable rehabilitation programme may provide home to these vagabound cattle i.e. maintenance ration, a minimum level of health cover and the home care.

2.4.29 There exists a scheme for “Construction of Animal Shelters (Gaushalas)” in the Ministry of Social Justice and Empowerment, Government of India. New Delhi for which 100% funds will be provided by Government of India. The Department intends to construct Gaushalas at block level headquarters. The budget estimates for the construction of shelter houses are to be furnished as per following items:-

SN	List of Items	Maximum amount admissible (Rs. in lac)
1	Cost of construction of boundary wall with Man proof fencing	3.00
2	Cost of construction of in house Dispensary	3.00
3	Cost of medical equipment	1.25
4	Cost of construction of shelter	13.00
5	Cost of construction of water tank	1.75
6	Cost of construction of drains	1.75
7	Contingencies	1.25
	Total	25.00

2.4.30 It is proposed to construct 100 such shelter houses (Gaushalas) in 11th Five Year Plan and 20 shelters in 2007-08. An outlay of Rs.2500.00 lac and Rs. 500.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

2.5 DAIRY DEVELOPMENT

11th Five Year Plan Outlay - Rs. 13600.00 lacs
Annual Plan 2007-08 Outlay - Rs. 1719.00 lacs

2.5.1 Punjab's average per capita milk consumption, which is 901 gm. against the national average of 214 gm., is comparatively better than that of other states. The Dairy Development Programme launched in the state aims at meeting the nutritional requirements of the growing population in the state as well as in the country.

2.5.2 The Programme can also be viewed as an effective instrument of social change through supplementing the income and providing employment to the small and marginal farmers and land-less agricultural labourers of the state by supplying the surplus milk to the urban people at a price which is remunerative for the milk producers and reasonable for the consumers. Commercial Dairy farming on scientific lines provides the educated unemployed some avenues of gainful self employment. Development of dairy industry on self sustaining and self-supporting basis can go a long way in checking the migration of people from rural to urban areas.

2.5.3 Punjab has a suitable climate and good agriculture base for milk production. Besides, there is a network of 47 chilling centres for milk collection and for transferring the milk in bulk to the milk plants. At present there are 43 milk plants, 11 are under the control of MILKFED and 32 are in the private and Joint sector, in Punjab.

2.5.4 An outlay of Rs.2726.56 lac was provided for the 10th plan against which an expenditure of Rs.300.00 lac was incurred. An outlay of Rs.13600.00 lac and Rs.1719.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

Ongoing Schemes

Centrally Sponsored Schemes

DD-1 Strengthening Infrastructure for Quality and Clean Milk Production (75:25)

11th Five Year Plan Outlay - Rs. 3000.00 lacs
Annual Plan 2007-08 Outlay - Rs. 595.00 lacs

2.5.5 The objectives of the scheme are to create infrastructure for production of quality milk and milk products, improvement of milk procurement at farmers' level and training and strengthening of infrastructure to create mass awareness about importance of clean milk production. This scheme is being implemented with the financial assistance from Government of India to provide the facility of Installation of 76 Bulk Milk Coolers at village level for the Milk Unions at Ropar, Gurdaspur, Patiala and Ludhiana. An expenditure of Rs.265.41 lacs was incurred during 10th Five Year Plan. An outlay of Rs.3000.00 lacs and Rs.595.00 lacs has been provided for 11th Five Year Plan and for Annual Plan 2007-08 respectively.

State Funded Schemes

DD-2: Land-less Dairy Farming for weaker sections

11th Five Year Plan Outlay - Rs. 600.00 lacs
Annual Plan 2007-08 Outlay - Rs. 124.00 lacs

2.5.6 Dairy is one sector in which there is lot of potential for employment. The Dairy Development Department is already identifying literate and semi-literate farmers and motivating them for raising commercial dairy farming units.

2.5.7 The Department has proposed to provide one time grant to each successful unit @ Rs.50,000/- each family. The total annual project cost for 238 families shall be as under:

1.	Training/extension services of 250 farmers @ Rs.2000/- each to be paid to the Trainer agency.	5.00 lac
2.	Grant to 238 farmers	119.00 lac
	Total	124.00 lac

2.5.8 An outlay of Rs.600.00 lac and Rs.124.00 lac has been provided for the 11th Five Year Plan and Annual Plan 2007-08 respectively.

DD-3 Strengthening of Punjab Dairy Development Board

11th Five Year Plan Outlay - Rs. 10000.00 lacs
Annual Plan 2007-08 Outlay - Rs. 1000.00 lacs

2.5.9 Punjab Dairy Development Board was established with the enactment of Punjab Dairy Development Board Act, 2000 as an apex body for formulate plans and issue instructions to all other organisations connected with dairy sector for all-round development of dairy in the state and to safeguard the interests of all the stake holders. The Board shall undertake the following programmes in association with Department of Dairy Development Punjab.

(i) Strengthening of Dairy Training Infrastructure

2.5.10 The Department in association with Punjab Dairy Development Board has introduced Dairy Entrepreneurship Training Programme. Adequate infrastructure to give practical training in breeding and milk management has been introduced so that the trainees become competent enough to run their show without depending upon outside assistance in all major operations. The infrastructure will be further strengthened to provide expanded dairy training facilities in the State.

(ii) Implementation of Herd Registration Programme

2.5.11 Punjab is the first state in the country to have passed a legislation for the implementation of Herd Registration programme under which every milch animal is to be registered and a unique identification provided. A comprehensive database of dairy animals is to be prepared containing reliable record of pedigree and performance of each dairy animal right from birth till death. It is a landmark activity for the genetic upgradation of dairy animals, control of stray animals and making a dairy farming a scientific and business like activities.

(iii) Propagation of dairy farming as a career option

2.5.12 Dairy Farming Workshops are organized in the villages, where experts from different fields are invited. These Workshops are to be made high-tech, informative and interesting.

(iv) Commercialisation of Dairy Farming and Provision of unique identification and insurance cover to dairy animals.

2.5.13 The department through the process of inducement makes efforts to convert the maximum number of trainees into the dairy farmers/entrepreneurs. The department arranges Institutional Finance for farmers and subsequently provides guidance and assistance for the establishment of commercial dairy units of high quality milch animals. The objective is to facilitate the dairy trainee to become a successful dairy farmer/entrepreneur.

2.5.14 The Department in association with the banks has bargained with the Insurance Companies to provide insurance cover to the dairy animals purchased with the loan provided by the banks at a reduced rate of premium i.e. 2% against the normal 4%. There are two components, which are very vital for the success of new dairy units. The micro chip is a check against any mal-practice including fictitious loaning and the insurance safeguards the interest of the dairy farmer against any mishap/loss. It is envisaged to compensate full insurance premium & cost of chip for 1st year of the dairy farms/unit.

(v) Strengthening of quality control infrastructure for cattle feed, milk and milk products

2.5.15 Punjab is the only state, which has promulgated "The Punjab Regulation of Compounded Cattle Feed, Concentrates and Mineral Mixture Order, 1988" under the Essential Commodities Act, 1955. To exert quality control, the department needs fairly large and well knit infrastructure facility for the testing of feed samples. For this purpose, the Government. Feed Analytical laboratory needs to be strengthened and its capacity raised manifold. Besides mobile feed testing facility needs to be created for the benefit of cattle feed users.

2.5.16 Similarly, milk and milk products are prone to adulteration which adversely affects the demand and supply equilibrium to the disadvantage of dairy farmers besides causing a health hazard to the milk consumers. A sustained milk consumer awareness campaign is run to apprise the consumers about the quality of milk, they buy, by testing their milk samples on the spot free of cost in the camps held in different localities. Consumer awareness is considered the most potent deterrent against adulteration. These measures are to be further strengthened and coverage increased so that the menace of adulteration and production and supply of spurious milk and milk products is brought to a halt.

2.5.17 For the export of milk and milk products, quality certification by an accredited laboratory is a pre-requisite. At present, there is no such laboratory in this area of the country, therefore, it is proposed to create such a facility in the state.

(vi) Establishment of Dairy Science College at Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

2.5.18 The state produces over 240 lac litres milk daily. The state has many firsts in a number of parameters in dairying in the country, yet it has no Dairy Science College or such Institute. Resultantly, the employment opportunities existing in dairy industry in Punjab are grabbed by Dairy Science/Technology qualifiers from other states, where such institutes are existing. Therefore, there is a dire need for the establishment of a Dairy Science college or an Institute of Dairy Technology in the State. Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana has already decided to establish a Dairy Science College at Ludhiana.

(vii) Genetic Upgradation of dairy animals - Funding of Embryo Transfer Technology Project

2.5.19 Punjab Dairy Development Board has approved the Embryo Transfer Technology project with the objective of quick genetic upgradation of dairy animals. The project is to be implemented jointly by Animal Husbandry Department/Punjab Livestock Development Board and Guru Angad Dev Veterinary and Animal Sciences University.

(viii) Regular monitoring of cost of production of milk and demand and supply position of milk and milk products.

2.5.20 Authentic data and information are utmost necessary for the meaningful planning of every activity and dairying is no exception. The vital data and information required for planning in dairying are the cost of production of milk and milk products and demand and supply position of milk and milk products at any given point of time both indigenously and globally. At present, there is no such mechanism for the monitoring of cost of production of milk and demand and supply position of milk and milk products. It is therefore, proposed to put in place a mechanism for this purpose. This work will be done through the Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana.

2.6 FISHERIES

11th Five Year Plan Outlay - Rs. 1254.65 lac
Annual Plan 2007-08 Outlay - Rs. 327.00 lac

2.6.1 Punjab is now on the threshold of a "Blue Revolution". A trend has already been set in favour of diversification of agricultural land to fish farming. The farmers are adopting intensive fish culture in ponds and tanks on modern scientific lines through composite fish culture of fast growing species. Fisheries resources of Punjab comprise 868 kilometers of rivers, 11200 kilometers of canals,

5084 hectares of small water reservoirs and lakes. In addition to this, there are 7135 village ponds covering an area of 4378 hectares which can be made suitable for fish culture after minor renovation. Another 5228 village ponds covering an area of 2668 hectares which requires major renovation work can also be made fit for fish culture.

2.6.2 For making fish culture more lucrative and attractive to farmers and for bringing more area under fish culture, the main thrust of the department during the 10th plan would be on providing quality fish seed of culturable varieties of fish; adopting more suitable village ponds under fish farming; providing opportunities for gainful self-employment in rural areas; providing better extension services at pond site; providing facilities of short term training in fish farming and to arrange visits of fish farmers to other States and developing saline/brackish water into fish farming.

2.6.3 Under the sub-head Fisheries, an expenditure of Rs.61.74 lac was incurred against the approved outlay of Rs.693.00 lac during the 10th plan (2002-2007). The detail of the schemes to be implemented in the 11th Plan under this sub-head at state level are given below:-

Ongoing Schemes

Centrally Sponsored Schemes

FH-1/4.1 Scheme for Fisheries, Training and Extension(80:20)

11th Five Year Plan Outlay - Rs. 19.65 lac
Annual Plan 2007-08 Outlay - Rs. 4.00 lac

2.6.4 The objective of the scheme is to increase and popularise the improved techniques of fish culture in rural tanks and ponds so as to progressively step-up inland fish production and augment fish supplied to public. Under this scheme, training and stipend @ Rs.75/- per day per participant during the training period of 15 days and an actual to and fro train/bus fare to the fish farmers are being provided. For this purpose an amount of Rs.19.65 lac had been provided in 10th plan against which Rs.5.00 lac was incurred. An outlay of Rs.19.65 lac and Rs. 4.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

FH-2/2.7 Assistance to Fish Farmer Development Agencies in the state (75:25)

11th Five Year Plan Outlay - Rs. 1000.00 lac
Annual Plan 2007-08 Outlay - Rs. 200.00 lac

2.6.5 This is a continued centrally sponsored scheme (75:25) which aims at assisting the members of all the existing Fish Farmers Development Agencies.

Under this scheme, Government of India bears the expenditure to the tune of 75% on training to fish farmers, subsidy for the construction of new ponds and tanks, reclamation/renovation of ponds/tanks, first year inputs, integrated fish farming, aerators/pumps & 50% cost of vehicle for each new FFDA and 50% cost for the replaced vehicle (second vehicle) except cost of base as well as incremental staff salary, maintenance of vehicle, office contingencies and acquisition of land. To popularize fish culture, the subsidy is provided @ 40,000 per ha. for all farmers except SCs/STs for whom it is Rs.50,000 per ha, for the construction of new ponds, Rs.12000/- per hect, for reclamation /renovation of ponds/tanks for all farmers except SCs/STs for whom it is Rs.15000/- , Rs.6000/- per hect. for first year inputs for all farmers except SCs/STs for whom it is Rs.7500/- per hect., Rs.16000/- per hect. for integrated fish farming for all farmers except SCs/STs for whom it is Rs.20,000/- per hect. Similarly subsidy is also provided for installation of Aerators/Pumps @ Rs.12500/- for each set of aerators/pump for all categories of farmers who have attained a level of production of 3000 Kg/ha/year and to raise it further. Some additional assistance is also provided as per Govt. of India guidelines.

2.6.6 It is targeted to bring an additional area of 4250 hectares and 850 hectares in the 11th Five Year Plan and Annual Plan 2007-08 respectively. An outlay of Rs.1000.00 lac and Rs.200.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

FH-3/4.5 Scheme for creating additional water area at fish seed farm to enhance fish seed production in the State (ACA 2005-06)

*11th Five Year Plan Outlay - Rs. 100.00 lac
Annual Plan 2007-08 Outlay - Rs. 100.00 lac*

2.6.7 At present only 50% of the total land area available at the Government fish seed farms is being utilized for production of fish seed. Out of the remaining 50% vacant land, 20 hect. will be converted into tanks for fish seed production, which will enhance the fish production to 700 lacs annually. A sum of Rs.100.00 lac has been provided for the 11th Five Year Plan and Annual Plan 2007-08.

State Funded Schemes

FH-4/2.4 Scheme for strengthening of infrastructure at Government Fish Seed Farms for increasing fish seed production.

*11th Five Year Plan Outlay - Rs. 70.00 lac
Annual Plan 2007-08 Outlay - Rs. 10.00 lac*

2.6.8 Under this scheme, fish seed production in the state would be increased by using additional areas, constructing of new nursery/rearing/stocking

tanks, providing suitable arrangement of water and modernization of existing infrastructure at the Government Fish Seed Farms in the state. At present, only 50% of the area at the existing 14 Government Fish Seed Farms in the state is being utilized and to increase the fish seed production from the existing fish seed farms, it is essential that the area at the fish seed farm is fully utilized by constructing more nursery/rearing/stocking tanks, hatcheries, installing new tubewells for providing suitable arrangement of water. The existing infrastructure at the Government Fish Seed Farms also needs major repair work and modernization on scientific lines. For this purpose. An expenditure of Rs.34.00 lac was incurred against the outlay of Rs.100.00 lac in the 10th Five Year Plan. An outlay of Rs.70.00 lac and Rs.10.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08.

FH-5/2.8 Pilot Project for the Development of Fisheries in saline/brackish water in the State

11th Five Year Plan Outlay - Rs. 65.00 lac
Annual Plan 2007-08 Outlay - Rs. 13.00 lac

2.6.9 1.25 lacs hectares area of district Faridkot, Ferozepur, Mukatsar, Moga, Bathinda & Mansa is not fit for agricultural purposes due to saline/brackish water. Saline/Brackish water can be used for the development of Fisheries. To explore the possibility of aquaculture in this area, a pilot project was entrusted to the P.A.U., Ludhiana final report has been obtained from the PAU.

Since the recommended saline water aquacultures will be new to the field officers and in the initial stage, it requires trial as well as demonstration for motivating the farmers to adopt this new saline aquaculture. To achieve this project, trials and demonstrations will continue for at least three years. Farmers will develop fisheries units under the supervision of the Fisheries Department and that the Department will bear the cost of the excavation and renovation of pond @ Rs.1.00 lacs/hectare and Rs.50,000/- hect. respectively. Since these will be trial cum demonstration units, the total cost of inputs and fish seed will have to be borne by the department. An outlay of Rs.65.00 lac and Rs.13.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

Ongoing Centrally Sponsored Schemes(100%)

CS(FH)-1/3 Strengthening of Data base and Information Networking for the Fisheries Sector

11th Five Year Plan Outlay - Rs. 50.00 lac
Annual Plan 2007-08 Outlay - Rs. 10.00 lac

2.6.10 The objective of the scheme is to develop a comprehensive plan of action at the National level for collection of data on scientific lines with regard to

various inland fisheries resources like ponds & tanks, lakes and reservoirs, rivers etc. by adoption of statistically supported methodologies for resource assessment and fish catch estimation. The scheme is to be implemented with 100% financial assistance from Government of India. An outlay of Rs.50.00 lac and Rs.10.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

2.7 COOPERATION

*11th Five Year Plan Outlay - Rs. 11560.00 lac
Annual Plan 2007-08 Outlay – Rs. 2798.50 lac*

2.7.11 Cooperatives have played a significant role in the economic development of the State. This movement has proved to be a boon for the agriculture sector of the State which has gained much in the post green revolution period by availing the facilities of co-operative infrastructure, particularly ready and remunerative market for agricultural produce through creation of sufficient processing capacity pertaining to sugarcane, cotton & other agricultural produce. Today, co-operatives have pervaded almost all spheres of life including supply of articles of daily consumption, housing, milk supply & industrial cooperatives. The major schemes of the sub-head are discussed as under :-

Ongoing Schemes

Centrally Sponsored Schemes

CN-1/IN 10.9 Assistance to Apex & Primary Handloom Workshop Cooperative Societies under Deen Dyal Hathkargha Protsahan Yojana (50:50):

*11th Five Year Plan Outlay - Rs. 60.00 lac
Annual Plan 2007-08 Outlay - Rs. 5.00 lac*

2.7.12 This new scheme included in the 10th Plan aims at taking care of a wide gamut of activities such as basic inputs like looms and accessories, working capital loans, product development infrastructure support, institutional support, training to weavers, supply of equipments and marketing support both at micro and macro levels. The handloom organizations can also get assistance under other components of the scheme like design input, publicity, marketing incentive etc. The scheme plans to cover both the weavers under Cooperative and Non-Cooperative. fold to organise the entire weaving community in such a way that assistance is available to them to produce quality fabric. An outlay of Rs.60.00 lac and Rs. 5.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

CN-2/DM 4.3 Financial Assistance to Dairy Cooperatives to meet out their losses (50:50)

11th Five Year Plan Outlay - Rs. 10000.00 lac
Annual Plan 2007-08 Outlay - Rs. 2500.00 lac

2.7.13 It is a 50:50 sharing Centrally Sponsored Scheme between the Centre (National Dairy Development Board-NDDDB) and the State. It aims at assisting the District Cooperative Milk Unions which are saddled with accumulated losses and have not been operating in a viable manner. The detail regarding financial position of Milk Unions as on 31/3/2007 in respect of cash losses is as under:-

(Rs. Crores)

SN	Milk Union	Amount
1	Jalandhar	6.23
2	Hoshiarpur	2.34
3	Amritsar	29.14
4	Sangrur	24.09
5	Bathinda	18.51
6	Gurdaspur	10.17
	Total	90.48

2.7.14 These financially unviable unions can not serve the cause of farmers and the vary purpose for which these are fourmulated would be defeated. It is necessary to put the unviable units back on the rails. An outlay of Rs.10000.00 lac and Rs. 2500.00 lac has been provided for 11th Five Year Plan and Annual Plan 2007-08 respectively.

CN-3 Financial Assistance to Dairy Cooperatives for (i)Providing Milking Parlour to the Commercial Dairy Farms and (ii) Providing Milking machines & other equipments to exclusive Women Dairy Cooperative Societies.

11th Five Year Plan Outlay - Rs. 1500.00 lac
Annual Plan 2007-08 Outlay - Rs. 293.50 lac

2.7.15 The objective of the Scheme is to improve the yield of milk and health of cattles. All farmers engaged in the dairy farming of Punjab will be covered under this scheme having atleast 5-10 milch cattles.

2.7.16 Milkfed Punjab has set a target of establishing atleast 10 Units each in the each milkshed area in the current year 2007-08 meaning thereby atleast 110

units in the current financial year. The Federation intends to provide milking parlour to these Units on the subsidized rates. The cost of milking parlour is around Rs.5.00 lacs and the Federation wants to subsidize Dairy Farms to the extent of 25%. An amount of Rs.137.50 lac has been provided for the purpose.

2.7.17 The Federation also intends to provide milking machines and other equipments to the exclusive Women Dairy Cooperative Societies on 50% subsidy. For providing milking machine and other equipments 390 Women Dairy Cooperative Societies an outlay of Rs.156.00 lacs has been provided in the Annual Plan 2007-08.

Centrally Sponsored Schemes (100%)

CS(CN)-1 Agricultural Credit Stabilisation Fund (100% CSS)

11th Five Year Plan Outlay - Rs. 1000.00 lac
Annual Plan 2007-08 Outlay - Rs. 200.00 lac

2.7.18 Under this scheme, Government of India provides assistance to strengthen Agricultural Credit Stabilisation Fund of the Punjab State Cooperative Bank on the pattern of 25% of loan and 75% subsidy to provide loans to farmers at the time of damage of crops due to natural calamities. This scheme was a part of Macro Management Work Plan of Cooperative Department. But, Government of India again excluded this scheme from work plan of the State from the year 2005-06.

2.7.19 An outlay of Rs.1000.00 lac has been provided under this scheme for 11th Five Year Plan and a sum of Rs.200.00 lac has been approved for the Annual Plan 2007-08 under this scheme.

CS(CN)-2/4 Share Capital Assistance/Rehabilitation Assistance to Primary Marketing Societies in Developed States (100% CSS)

11th Five Year Plan Outlay - Rs. 250.00 lac
Annual Plan 2007-08 Outlay - Rs. 50.00 lac

2.7.20 Under this scheme, National Cooperative Development Corporation (NCDC) provides 100% financial assistance to State Govt. in the shape of loan which is contributed as share capital of Primary Cooperative Marketing Societies (CMS) for strengthening their financial base. Each CMS can get assistance of Rs.5.00 lac. An outlay of Rs.250.00 lac has been provided for the 11th Five Year Plan and Rs.50.00 lac has been provided for Annual Plan 2007-08.

CS(CN)-3/37 Matching proportionate grants to members of SC/ST towards Share Capital required for borrowing from cooperative institutions. (100% CSS)

11th Five Year Plan Outlay - Rs. 25.00 lac
Annual Plan 2007-08 Outlay - Rs. 5.00 lac

2.7.21 Under this scheme, Government of India provides grant/subsidy for SC/ST members of the cooperative societies. A sum of Rs.25.00 lac has been provided in the 11th Five Year Plan under this scheme and Rs.5.00 lac in the Annual Plan 2007-08.

CS(CN)-4/40 Assistance to Women Cooperative under Government of India Women Cooperative Scheme (100% CSS)

11th Five Year Plan Outlay -Rs. 60.00 lac
Annual Plan 2007-08 Outlay -Rs. 38.24 lac

2.7.22 For the economic development of the Women, Government of India has proposed to implement a new centrally sponsored scheme for providing financial assistance to organized women cooperative societies. The detail of this scheme is as under:-

		Rs. lac
(a)	Subsidy	9.04
(b)	Share Capital	14.80
(c)	Working Capital	14.40
Total		38.24

2.7.23 A sum of Rs.60.00 lac has been provided in the 11th Five Year Plan under this scheme and Rs.38.24 lac has been provided in the Annual Plan 2007-08 for this purpose.

CS(CN)-5/43(i) Assistance under weaker sections cooperative to Labour Federations/Unions/Societies (100% CSS)

11th Five Year Plan Outlay - Rs. 150.00 lac
Annual Plan 2007-08 Outlay - Rs. 30.00 lac

2.7.24 In order to promote and develop the existing and new cooperative labour and construction societies, Government of India provides 100% central assistance. A sum of Rs.150.00 lac has been provided in the 11th Five Year Plan under this scheme and Rs.30.00 lac in the Annual Plan 2007-08 for this purpose.

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