

programmes for the officers of Administrative Department in other states in order to equip them with latest technologies of fish farming.

1.5.9 Against an expenditure of Rs.35.18 lac during the 11th Five Year Plan , an outlay of Rs.38.63 crore has been provided in 12th Five Year Plan. An outlay of Rs.10.00 crore is provided in the Annual Plan 2012-13.

Ongoing Centrally Sponsored Schemes (100%)

CS (FH)-04/1 Strengthening of data base and information networking for the Fisheries Sector

Outlay- Rs.16.00 lac

1.5.10 The main objective of the scheme is to upgrade the existing data base on water resources such as (i) ponds and tanks (ii) reservoirs and lakes (iii) rivers, canals, streams and water logged/brackish water area etc. with respect to their quality and capacity of fish production and economic status of the persons engaged in various fisheries activities by conducting assessment survey of inland fisheries. The scheme also includes information technology networking and census on inland fisheries along with strengthening and increasing the efficiency of the fisheries personnel responsible for implementation of the scheme.

1.5.11 An outlay of Rs.80.00 lac has been provided in 12th Five Year Plan. An outlay of Rs.16.00 lac is provided in the Annual Plan 2012-13.

1.6 AGRICULTURAL RESEARCH AND EDUCATION

Ongoing Scheme

State Funded Scheme

AGRE-1 Provision for Research and Development Schemes of PAU, Ludhiana

Outlay - Rs.60.00 crore

1.6.1 Punjab Agriculture University, Ludhiana plays a vital role in raising productivity levels & ensuring food security of the nation. To address the emerging challenges of soil degradation, water depletion, climatic aberrations and shortage of labour, Punjab Agricultural University (PAU) has reoriented its research and technology transfer programmes towards natural resources conservation and input use efficiency (e.g. developed/adapted laser levelers, leaf colour chart, tensiometer, drip irrigation, protected cultivation etc.) and enhanced productivity in accordance with available resources. There is an urgent need to expand the programmes to cover processing and value addition, integration of biotechnology with crop improvement, mechanization using energy efficient machinery/focus on small farmers, crop production/protection for export, bio energy, development of climate resilient technologies of which multiple cropping system (e.g. early maturing wheat, rice and pulses) are going to be a

critical component. Further, productivity of quality seed and planting material is to be upgraded which is critical for resource generation.

1.6.2 Against an expenditure of Rs.77.00 crore during the 11th Five Year Plan , an outlay of Rs.300.00 crore has been provided in 12th Five Year Plan. Against an expenditure of Rs.10.00 crore during 2011-12, an outlay of Rs.60.00 crore is provided in the Annual Plan 2012-13.

1.7 AGRICULTURAL FINANCIAL INSTITUTIONS

Ongoing Scheme

State Funded Scheme

AFI - 1 State Government contribution in the purchase of debentures of SADB

Outlay -Rs.1.00 crore

1.7.1 The Punjab State Cooperative Agricultural Development Bank is engaged in meeting the long term credit requirements of the farmers for the improvement of land, methods of cultivation, mechanization of farms, minor irrigation, soil conservation works, development of horticulture etc. and the diversified activities such as dairy farming, poultry farming, sheep/piggery, fish farming etc. in the state. The bank is advancing the loans for these developmental obligations of the state government in the interest of the increased agricultural production and to improve the economic conditions of the farming community in the state.

1.7.2 Under this scheme funds for advancement of long-term loans are collected through floating of debentures. In these debentures major contribution of 90% is subscribed by NABARD, whereas, the remaining 10% is subscribed by the state government and Government of India on matching basis i.e. 5% each. The Government of India's contribution is received on recommendations of NABARD. As such, with a small contribution from the state government of 5%, the bank collects the remaining 95% of funds from outside the state resources which are utilized for the development of the state.

1.7.3 Against an expenditure of Rs.12.00 crore during the 11th Five Year Plan , an outlay of Rs.5.00 crore has been provided in 12th Five Year Plan. Against an expenditure of Rs.1.00 crore during 2011-12, same outlay is provided in the Annual Plan 2012-13.

1.8 COOPERATION

Outlay – Rs.23.01 crore

1.8.1 Cooperative movement is very crucial for the agriculture sector of the state which has gained momentum in the post green revolution period by availing the facilities of