

## **New Scheme**

### **DD-03 Provision of essential staff**

*Outlay - Rs.5.21 crore*

1.4.15 Punjab now has 22 Districts. The department has got the staff which was sanctioned for 14 districts. Therefore, there is an urgent need to provide for the staff for the 8 district created subsequently.

1.4.16 An outlay of Rs.30.00 crore has been provided in 12<sup>th</sup> Five Year Plan and Rs.5.21 crore has been provided in Annual Plan 2012-13.

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## **1.5 FISHERIES**

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*Outlay -Rs.10.55 crore*

1.5.1 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. At present 10,856.60 hectare area is under fish culture and there are around 7500 fish farmers, Punjab is having the highest average fish production of 6000 kg/hect against the national average of 3000 kg/hect. There are 868 kms. of rivers and 4370 hectare reservoirs & 16585 kms of canals as notified areas. 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 12<sup>th</sup> 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.

1.5.2 Against an expenditure of Rs 4.68 crore during the 11<sup>th</sup> Five Year Plan , an outlay of Rs 41.26 crore has been provided in 12<sup>th</sup> Five Year Plan. An outlay of Rs.10.55 crore is provided in the Annual Plan 2012-13. The details of the schemes included in the Annual Plan 2012-13 are as under:-

### **Ongoing Schemes**

#### **Centrally Sponsored/ funded Schemes**

##### **FH-01/2 Assistance to Fish Farmers Development Agencies in the state (75:25)**

*Outlay -Rs.52.00 lac*

1.5.3 This scheme aims at assisting the members of all the existing Fish Farmers Development Agencies (FFDA). Under the scheme subsidies are given for excavation of fish

ponds, renovation of old ponds, establishment of fish feed unit, fish seed hatchery, integrated hatchery, soil & water kits, breed bank for ornamental fish & conservation of river fish.

1.5.4 Against an expenditure of Rs.1.00 crore as 75% Government of India's share and Rs. 33.34 lac as 25% state share during the 11<sup>th</sup> Plan, an outlay of Rs.7.62 crore as 75% Government of India share and Rs.2.54 crore as 25% state share has been provided in the 12<sup>th</sup> Five Year Plan. An outlay of Rs.1.56 crore as 75% Government of India's share and Rs.52.00 lac as 25% state share is provided in the Annual Plan 2012-13.

**FH-02/1 National Scheme for Welfare of Fishermen and Fisheries, Training and Extension (80:20)**

*Outlay -Rs.1.55 lac*

1.5.5 The objective of the scheme is to increase and popularize the fish production enhancement of technologies among fisheries entrepreneur and augment fish supplied to public. Under this scheme, funds are given for group accident insurance for active fishermen, training and extension, human resource development & for organizing workshops and seminars.

1.5.6 An outlay of Rs.31.00 lac as 80% Government of India share and Rs.7.75 lac as 20% state share has been provided in the 12<sup>th</sup> Five Year Plan. An outlay of Rs.6.20 lac as 80% Government of India's share and Rs.1.55 lac as 20% state share is provided in the Annual Plan 2012-13.

**FH-03/4 Development of Fisheries in the State**

*Outlay-Rs.10.00 crore*

1.5.7 Under this scheme, the following components would be covered:-

- (i) Renovation, modification/upgradation, modernization of fish seed farms;
- (ii) Training of fisheries personnel;
- (iii) Development of saline affected waterlogged area in the south-west districts of Punjab;
- (iv) Eco-friendly and sustainable development of village ponds for income generation activities and for easing out the foreseen threat of water scarcity;
- (v) Stocking of fish fingerlings in the notified waters/canals of Punjab as a measure to conserve fisheries resources for sustainable fish production.

1.5.8 One year training in inland fisheries is being imparted to the officers of Fishery Department at Guru Angad Dev Veterinary and Animal Sciences University (GADVASU) at Ludhiana from the year 2008-09. This training is compulsory as per the service conditions for the officers of the Department. Besides, it is also proposed to arrange study tour and training

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 11<sup>th</sup> Five Year Plan , an outlay of Rs.38.63 crore has been provided in 12<sup>th</sup> 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 12<sup>th</sup> Five Year Plan. An outlay of Rs.16.00 lac is provided in the Annual Plan 2012-13.

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**1.6 AGRICULTURAL RESEARCH AND EDUCATION**

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**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