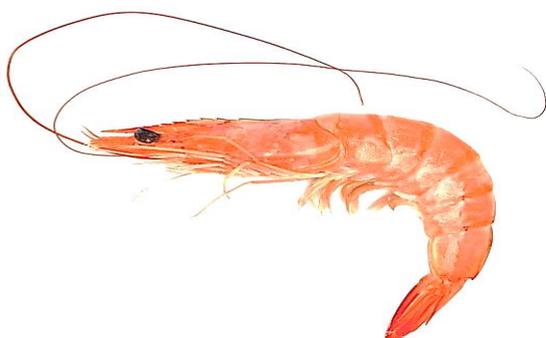


TWO YEARS (2018-19 to 2019-20) ACHIEVEMENTS OF DEPARTMENT OF FISHERIES, PUNJAB

A. SUPPORT PROGRAM

1. Shrimp Farming:



- **Name of Project:** “Shrimp farming cluster development project”
- **Cost of the Project:** Rs. 2647.025 Government share.
- **Project gestation period:** 2019-20 to 2023-24.
- Subsidy in ratio of 75:25 (Govt: Farmer) during first year and 50:50 during second year on Shrimp **seed** and **feed**.
- One farmer can avail the facility for 5 acres or 10 acres. Total estimated cost of shrimp seed+feed for one acre is Rs.4,00,000/-.
- Subsidy process was scheduled to start from current year (2020-21) but because of short funding due to COVID-19, it will be started from the next year (2021-22).

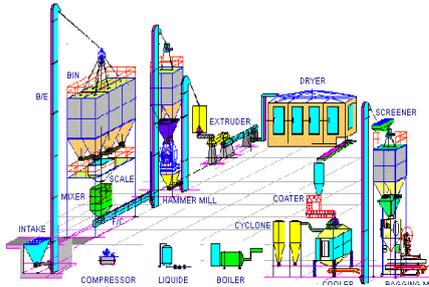
2. Cage Fish Culture:



- **Name of Project:** “Cage culture cluster development project”
- **Cost of the Project:** Rs.1474.867/- Government share.
- **Project gestation period:** 2019-20 to 2023-24.

- Total 5000 cages will be installed through financial support program in different water bodies (Reservoirs, Small dams, Rivers etc.) of Punjab.
- Subsidy is 80:20 (Govt.: Farmer) in respect of **cage construction**.
- For one cage the estimated cost is Rs.3,00,000/- . & farmer's share only Rs. 60,000/- .
- One farmer can avail a subsidy for 10 or 20 cages only.
- Fish production targets for one cage is 1.2 MT (1200 Kg)

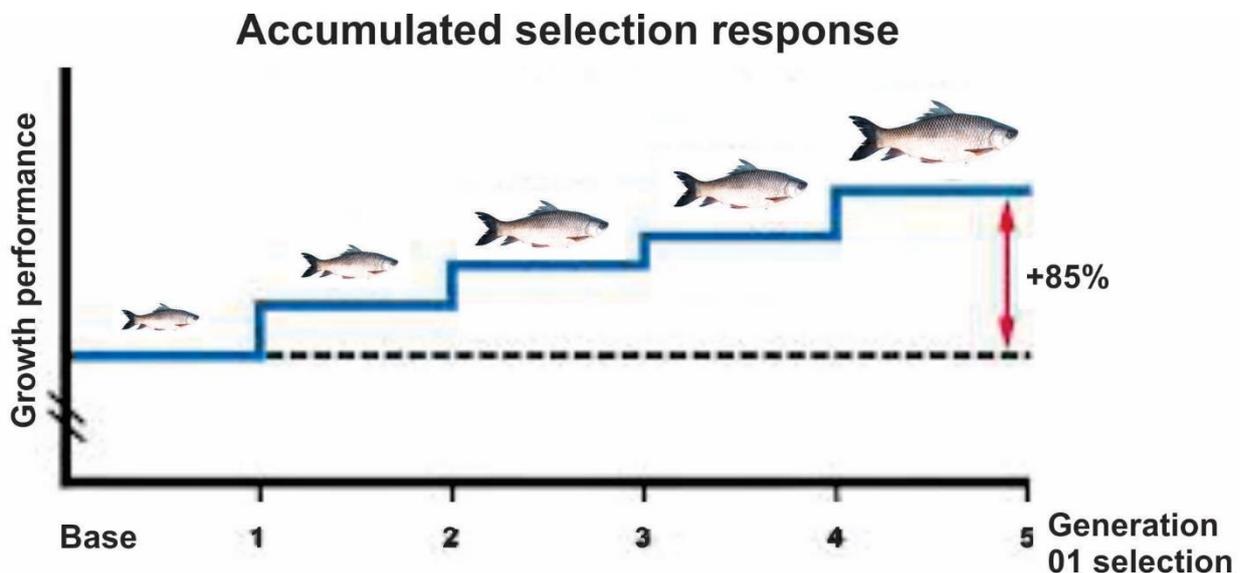
3. Value Chain Development (VCD):



- To overcome the shortcomings of aquaculture sector, a project for Value Chain Development has been approved with gestation period of 2019-20 to 2023-24; with following interventions:
 - 2 High value fish hatcheries
 - 2 shrimp hatcheries
 - 2 fish/shrimp feed mills
 - 2 fish/shrimp processing plants
 All these said components will be established through financial support program with cost share 50:50 (G:P)

B. INNOVATIVE INITIATIVES

1. Genetic Improvement of Fish:



Project gestation period is 2019-20 to 2021-22. Long time inbreeding process in our culture system has retarded the growth pattern of fish. The program of growth improvement has been started in the project which will be continued after gestation period of the project. This genetically improved fish and seed will be disseminated in public and private sector.

2. Provision of Fish Health Management Units (Mobile Health Labs):



Project gestation period is 2019-20 to 2023-24.

In support of modern aquaculture 08 fish health labs with mobile units are being established in 08 civil divisions of Punjab.

3. Local production of Sex Reversed Tilapia:



Tilapia fish has been introduced in our culture system but its seed was imported due to lack of its hatchery system in Punjab. In this regard a new SR Tilapia hatchery, Tilapia research center and provision of SRT seed production on 5 existing hatcheries has been started. This intervention will positively shift our trade balance.

4. Establishment of Saline Water Aquaculture Research Center:

Project gestation period is 2019-20 to 2023-24.

Saline water aquaculture is first time being introduced in Punjab, which need applied and adoptive research for its success. In this regard a fully facilitated research center is being established in South Punjab at Muzaffargarh.

C. MEGA DEVELOPMENT THROUGH WORLD BANK PROGRAM

1. Establishment of Information Communication technology center
2. Extension services up to Tehsil level
3. Establishment of Directorate of Marketing and quality control.
4. Demand driven and applied nature research to introduce modern aquaculture technology.

D. DIGITALIZATION TO IMPROVE DELIVERY SERVICES

1. ISO-17025:2017 Certification of Fish Quality Control Labs (for fish, feed and water testing).
2. Developed a response website using modern tools and technology to promote fisheries in the province.
3. Development of online fish farm registration system to register private fish farms (**in progress**).
4. Development of Human Resource Management and Information System (HRMIS) of department of Fisheries in coordination with PITB to digitalize the employee data (**in progress**).
5. Development of Monthly Progress Report (MPR) in coordination with Punjab information & Technology Board. (**In progress**).
6. Drafted rules for installation of cages for fish culture in public waters (**under approval**)
7. Establishment of Punjab Aquaculture Development Corporation. (**In progress**).
8. Provision of on farm test / diagnostic facilities in Punjab
9. Dissemination of online information to the stakeholder.
10. Resolved 100 Pakistan Citizen Portal complaints to facilitate public.
11. Held Round Table Conference to bring whole aquaculture related industry at one table on 25.11.2019.
12. Utilization of saline & brackish and barren lands to develop aquaculture units to provide livelihood of masses.
13. Resource replenishment in natural waters through stocking of 123 million fish seed.