

3. Re-circulatory Aquaculture system for General and SC/ST candidate :

A Re-circulatory Aquaculture System/Flow through system is an enclosed system for fish farming where water replacement is only to the extent of loss to evaporation and cleaning. In recirculation system, water is reused or partial exchange while a production system that uses water only once is referred exclusively as a flow through system. It is an intensive approach (higher densities and more rigorous management) than other aquaculture production system. Instead of the traditional method of growing fish outdoors in open ponds and raceways, this system rears fish in indoor tanks within a controlled environment. Recirculating systems filters and clean the water for recycling back through fish culture tanks. The technology is based on the use of mechanical and biological filters.

Objective:

- ◆ High output from minimal area with fish density ranging from 50-150 kg/m³ under perfect condition.
- ◆ Increased bio-security and ease in treating disease outbreaks if any.
- ◆ Free from land based large water source.
- ◆ Minimize land & water requirement as compared to pond aquaculture system.
- ◆ Maximizing production efficiency through closely monitoring and controlled environmental conditions with reduction in waste water effluent volume.

Unit cost and sharing pattern:

- In accordance with approved guidelines/revised guidelines of Govt. of India for Blue Revolution.
- 40% of the unit cost of Rs. 50 lakh/unit i.e. Rs.20 lakh as project share and remaining 60% of the unit cost of Rs. 50 lakh i.e. Rs. 30 lakh will be the beneficiary share in case of General category.
- 60% of the unit cost of Rs. 50 lakh/unit i.e. Rs.30 lakh as project share and remaining 40% of the unit cost of Rs. 50 lakh i.e. Rs. 20 lakh will be the beneficiary share in case of SC/ST category
- Details of unit cost and sharing pattern is tabulated below:

➤ Unit cost	➤ Government share	➤ Beneficiary share
➤ Rs. 50 lakh per unit	➤ Rs.20 lakh/ unit for General category (40% of the project cost)	➤ Rs.30 lakh/ unit for General category (60% of the project cost)
	➤ Rs.30 lakh/unit for SC/ST category.	➤ Rs.30 lakh/unit for SC/ST category.

- Beneficiaries shall submit self-contained Detailed Project Report (DPR) with full justification & technical details etc.
- Beneficiaries shall provide documentary evidence of availability of requisite land free from all encumbrances, financial resources, necessary clearances/ permissions etc. in the DPR. No funds shall be provided for the land.
- DPRs shall also contain details of anticipated direct & indirect employment generation to local populations, enhancement of fish production, specific time lines for the implementation of the project etc.
- The Govt. assistance will be provided as back-ended subsidy.
- Applicants may be Entrepreneurs/ State Government organizations/ federations/ corporations/ Cooperatives/ NGOs etc.
- Post construction operation, management and maintenance of the RAS shall be carried out in a satisfactory manner by the beneficiaries at their own costs.

Selection procedure:

- Application shall be called through advertisement in leading local dailies/publication of advertisement in website/notification by DFDOs locally etc.
- The DFDOs will process the applications/verify/survey/check documents and recommend the final list through DSI.C to the DoF, Assam for final selection. The selection committee at State level will be headed by the Director of Fisheries, Jt. Director/Dy. Director of Fisheries, Nodal Officer, Executive Engineer etc. as member.
- The State level selection committee will finalize the list and submit for approval of the Govt. headed by the Secretary of the Department.
- The DFDOs must ensure while forwarding/recommending the beneficiary that the applicant has the capability to contribute his share of the project cost apart from Govt. assistance. The beneficiaries must provide evidence of availability of sufficient financial resources for completion of project on its own.

Implementation:

- The DFDO will implement the project proposal as per approved plan and estimate.
- The Engineering section will give guidance and supervision to the DFDO and its staff at district level for implementation of the project as per plan and estimate.
- The beneficiary from his/her own source may engage or take expert opinion from any certified agency/expert that has expertise in this field for technical guidance with due approval of the DF. The Govt./Department will not bear any cost for the same in this regard. The cost of consultancy will be additional financial implications to be borne by the beneficiary apart from beneficiary share of Rs. 30 lakh/unit for SC/ST and Rs. 20 lakh/unit for General category.

Fund Release and Mode of Payment:

- The DF will release the fund to the DFDO in PFMS account.

- DFDO will release the fund through DBT preferably in 2-3 installments based on the satisfactory completion of the beneficiary share of work based on the physical progress.
- The 1st installment will be released on completion of beneficiary share. Thereafter, the subsequent installments will be released based on the progress of the work on the ground. All installments shall be released with due approval of the DF.
- The DFDO shall be responsible for day to day monitoring of the work and reporting to DF.
- The Engineering section of DF will be supervising the work directly from the Directorate under the guidance of DF. The DFDO will monitor the work utilizing Engineering staff and field level officers no less than FDO and place demand for release of fund to the DF after completion of the beneficiary share. The Govt. share of funds can be released in installments only after verification of the work on the ground, assessment of the work, bills and vouchers etc. by the Engineering section of DF duly approved by DF.
- The Engineering section will submit report to the DF every fortnightly on the physical and financial progress.