

Re-Circulatory Aquaculture System

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Re-Circulatory Aquaculture System Latest News

The Union Minister, Ministry of Fisheries, Animal Husbandry and Dairying is set to inaugurate state-of-the-art Re-circulatory Aquaculture System (RAS) Facility in Hyderabad, Telangana.

About Re-circulatory Aquaculture System

- It is a technology where **water is recycled and reused** after mechanical and biological filtration and removal of suspended matter and metabolites.
- This method is used for **high- density culture** of various species of fish, **utilizing minimum land area and water**.

Key Features of Re-circulatory Aquaculture System

- It is an **intensive high density fish culture** unlike other aquaculture production systems.
- It is also a **closed-loop tank-based farming** that recycles water after filtration.
- RAS filters and cleans the water in the tank, removing waste and keeping it safe for the fish to live in.

- It has automated set up of culture tanks with **both mechanical and biological filtration units**, and effectively prevents the entry of pathogens from external sources.
- It **requires the minimal interventions** to assess the culture, water and disease monitoring, which allows for improved biosecurity.
- It can be **set up indoors or in areas without natural water sources**, allowing fish to be raised closer to cities and where demand is high.

Source: PIB

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