GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF FISHERIES

LOK SABHA

UNSTARRED QUESTION No. 4205
TO BE ANSWERED ON 19TH AUGUST, 2025

Recirculatory Aquaculture System

4205. Shri Rajesh Naranbhai Chudasama:

Will the Minister of **FISHERIES, ANIMAL HUSBANDRY AND DAIRYING** be pleased to state:

(a) the strategy adopted by the Government to promote Recirculatory Aquaculture System (RAS) technology among small-scale fish farmers and types of incentives are being offered to fish farmers in order to encourage them to adopt RAS;

(b) the manner in which the Government ensure the biosecurity of RAS systems and the protocols are in place to prevent disease outbreaks and escape of farmed species;

(c) the plan to promote RAS technology for sustainable aquaculture practices and the manner in which its adoption will be incentivized; and

(d) the manner in which the Government will ensure the traceability and certification of RAS produced fish and its standards that are being established for environmental sustainability?

ANSWER

MINISTER OF STATE FOR FISHERIES, ANIMAL HUSBANDRY AND DAIRYING

(SHRI GEORGE KURIAN)

(a) to (d): The Pradhan Mantri Matsya Sampada Yojana (PMMSY) being implemented by the Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying *inter-alia* aims at technology infusion along the value chain for enhancing fish production and productivity, quality and hygiene and modernization and strengthening the supply and value chain. Under the scheme financial assistance to a tune of 40 percent of unit cost for general category including small-scale fish farmers and 60 percent of unit cost for Scheduled Caste/Schedule Tribe/Women beneficiaries is provided for setting up of Recirculatory Aquaculture Systems (RAS). These high-density aquaculture technologies help optimise the use of minimal water and land resources. Biosecurity in RAS systems is ensured through closed-loop water recirculation, controlled water quality, and regular disinfection to prevent pathogen entry and spread. The use of high-health seed and biosecure feed reduces disease risks, while containing all water within the system and treating it before reuse or disposal ensures that live fish or their eggs cannot escape into natural water bodies. PMMSY also supports traceability and certification aspects across the fisheries value chain, including aquaculture system such as RAS and Biofloc, to promote quality assurance and environmental sustainability. The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying during the last five years (FY 2020-21 to FY 2024-25) has approved the proposals for a total of 12,195 Re-circulatory Aquaculture Systems at a cost of Rs.939.57 crore with a central share of Rs.298.72 crore under PMMSY.

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