



## Vannamei Shrimp Farming in Biofloc System Promising for Andaman: ICAR-CIARI

By Denis Giles / April 8, 2026



**Sri Vijaya Puram, April 8:** The Fisheries Science Division (FSD) of ICAR–Central Inland Agricultural Research Institute (CIARI), Sri Vijayapuram, has successfully standardized a biofloc-based culture system for *Penaeus vannamei*, demonstrating strong potential for sustainable, high-yield shrimp production under controlled tank conditions.

The system was validated using three indoor circular biofloc tanks, each with a diameter of 4 m and a water holding capacity of 10,000 L. The shrimp production is found to be economically promising, indicating significant scope for enhancing livelihoods and augmenting local shrimp food production in the Andaman & Nicobar Islands.

Biofloc management practices and harvest strategy have been standardized for a mean shrimp production of about 30–33 kg per tank of 10,000 L at each harvest phase.

This scalable and resource-efficient model is particularly suitable for regions with limited land and water availability. The technology will be showcased at the forthcoming Andaman Food Festival scheduled from 17–19 April 2026, offering a practical demonstration for farmers and stakeholders interested in adopting sustainable shrimp farming practices.