

केन्द्रीय मात्स्यिकी तटवर्ती इंजीनियरी संस्थान
CENTRAL INSTITUTE OF COASTAL ENGINEERING FOR FISHERY

ईस्रोआवास के सामने, जालहल्ली, बेंगलूर 560 013
Opp. to ISRO Qrts., Jalahalli, Bengaluru-560 013

दिनांक/ Dated: 10th December, 2025

विषय / Sub: Lok Sabha Unstarred Question Dy No.8985 due for answer on 16.12.2025 regarding "Modernization and Expansion of Fisheries Infrastructure".

Question (a) Whether the Government has taken any steps to modernize and expand fisheries infrastructure under initiative such as Eco-Fishing, Smart Harbours and the Blue Ports Imitative;

Reply: Yes.

Question (b) If so, the details thereof;

Reply: The concept of Eco Fishing Ports is similar to the Blue Port Initiative of Food and Agriculture Organization of the United Nation (FAO). The Eco Fishing Ports are to implement a comprehensive set of interventions designed to modernize infrastructure, promote sustainability, and strengthen governance. The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying has signed an agreement of Technical Cooperation Programme (TCP) with Food and Agriculture Organization of the United Nation (FAO) for Strengthening of Blue Ports in India in March, 2025. Further, the Government of India had signed an agreement with French Development Bank (AFD) on Technical Cooperation between India and France on Blue Transformation of Fishing Harbors in December, 2024. These initiatives envisions development of more numbers of Smart and Integrated Fishing Harbours in conformity with the Blue Port Initiatives in future. As part of AFD's TCP Government of India has conducted a workshop on development of Eco Fishing Port in May, 2025.

Question (c) Whether the targeted interventions are undertaken by the Government to integrate environmental sustainability,

digital technologies and climate resilience in fishing harbours and if so, the details thereof;

Reply:

Yes. The Government of India has undertaken targeted interventions to integrate environmental sustainability, digital technologies and climate resilience in fishing harbours, mainly through national flagship programmes and technical guidelines. The key elements are as below.

i) Environmental Sustainability Measures:

(1) Blue and Green Infrastructure:

- Renewable energy system such as solar power plant etc.,
- Rain water harvesting system
- Conversion of conventional electric lighting system to LED lighting system in existing facilities

(2) Ecosystem Protection:

- Environmentally sensitive harbour layout planning to minimize dredging and shoreline alteration.
- Mangrove and coastal vegetation protection / regeneration near harbour areas.
- Mandatory Environmental Impact Assessment (EIA) and Coastal Regulation Zone (CRZ) compliance

ii) Digital technologies:

- IoT devices, sensors, communication networks, and data management systems
- software for data management, analysis and visualization
- communication infrastructure including internet connectivity, satellite communication systems and wireless networks
- networking equipment and cybersecurity measures
- training programs for fishermen
- GPS tracking devices, distress beacons, life jackets etc.
- surveillance cameras, drones, access control and other smart technologies
- Navigational and Radio- communication equipment.

iii) Climate Resilience:

- Design standards aligned with storm surge, wave and sea-level rise projections.

- Strengthened breakwaters, revetments and berthing structures.

Question (d) the details of collaborations made with international agencies such as French Development Agency (FDA), Food and Agriculture Organisation (FAO), multilateral development banks etc., for capacity building and financing?

Whether the Government has collaborated with international agencies or banks for technical assistance, financing, or capacity building, and if so, the outcomes of such partnerships.

Reply:

The Department of Fisheries, Ministry of Fisheries, Animal Husbandry and Dairying has collaborated a Technical Cooperation Programme (TCP) with Food and Agriculture Organization of the United Nation (FAO) in March, 2025 for technical assistance and capacity building in developing smart, blue and integrated fishery harbours in the country.

Under the FAO's Blue Ports Initiative programme, following webinars were organized by FAO and Department of Fisheries, Government of India:

- i. Webinar on "Sustainable Finance and Entrepreneurship" held on 25th June, 2025.
- ii. Webinar on "Capacity Building Programme towards Blue Port Initiatives" held on 18th September, 2025.

Further, the Government of India also signed an agreement with French Development Bank (AFD) on Technical Cooperation between India and France on Blue Transformation of Fishing Harbors in December, 2024.

These initiatives would help in great way for developing sustainable fisheries sector particularly in development of fishery infrastructure in coming future.