



Genetic Improvement Program for Indigenous Fish Species

For Prelims: Pradhan Mantri Matsya Sampada Yojana, Fishing Harbours, Ocean currents, Marine Products Export Development Authority Act (MPEDA) 1972.

For Mains: Status of Fishery Sector in India, Issues Associated with India's Fishery Sector, Recent Government Initiatives Related to Fishery Sector.

Why in News?

Union Minister of Fisheries, Animal Husbandry and Dairying, launched three national flagship programmes at [Indian Council of Agricultural Research-CIBA Campus, Chennai](#).

What are the Three National Flagship Programmes Launched?

- **Genetic Improvement Programme of Indian White Shrimp:**
 - The farmed shrimp sector contributes about **70% of India's seafood exports worth Rs. 42000 crores**, but it mostly depends on **one exotic Specific Pathogen-Free stock of Pacific white shrimp species** (*Penaeus vannamei*).
 - To break this dependence on one species and to promote indigenous species, **ICAR-CIBA has taken up the genetic improvement program** of Indian white shrimp, *P. indicus*, as a national priority under the [Make in India](#) flagship program.
- **Shrimp Crop Insurance:**
 - ICAR-CIBA developed a **Shrimp Crop Insurance** product where the product charges differential premium based on location and requirements of the individual farmer from **3.7 to 7.7 %** of input costs and farmer will be compensated to the tune of 80 % loss of input cost in the event of total crop loss. i.e., more than 70% crop loss.
- **National Surveillance Programme for Aquatic Animal Diseases (NSPAAD): Government of India is implemented** the NSPAAD since 2013 with a major emphasis on strengthening farmer-based disease surveillance system. The results of the first phase proved **the reduction in revenue losses due to diseases, increased farmers' income and exports**.
 - **Phase II:** Government of India has sanctioned the NSPAAD: Phase-II under the [Pradhan Mantri Matsya Sampada Yojana](#) programme of the Govt. of India. It will be implemented at pan-India.

UPSC Civil Services Examination Previous Year Question (PYQ)

Q. Defining blue revolution, explain the problems and strategies for pisciculture development in India. (2018)

Source: PIB

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