

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

LOK SABHA

STARRED QUESTION No.*375
ANSWERED ON 19th AUGUST, 2025

Nucleus Breeding Centres under PMMSY

*** 375. Shri Appalanaidu Kaliseti:**

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

(a) the number of proposals received by the Government for setting up of Genetic Improvement Programmes and Nucleus Breeding Centres (NBCs) under the Pradhan Mantri Matsya Sampada Yojana (PMMSY) during the last five years, State/UT-wise and district-wise in Andhra Pradesh;

(b) the number of projects approved, proposals pending along with the reasons for delay and non-approval under this sub-component and the details of funds allocated, released and utilized for each project, State-wise and district-wise in Andhra Pradesh; and

(c) the current status of implementation of these approved projects, including timelines for completion and operationalisation?

ANSWER

THE MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
(SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH)

(a) to (c): A Statement is placed on the Table of the House.

Statement referred to in reply to the Lok Sabha Starred Question No.375 due for answer on 19th August, 2025 put in by Shri Appalanaidu Kaliseti, Hon'ble Members of Parliament, Lok Sabha regarding Nucleus Breeding Centres under PMMSY

(a) to (c): The Pradhan Mantri Matya Sampada Yojana (PMMSY) implemented by the Ministry of Fisheries, Animal Husbandry and Dairying, Department of Fisheries with effect from the year 2020-21 *inter alia* support for Genetic Improvement Programmes of economically important aquaculture species and establishment of Nucleus Breeding Centres (NBCs) besides supporting establishment of Brood Banks and Broodstock Multiplication Centre (BMCs) for supply of quality brooders. These efforts aim to enhance productivity, self-reliance, and sustainability in aquaculture and ensures availability of high-quality brood and seed for long-term sectoral growth. The Genetic Improvement Programmes and establishment of Nucleus Breeding Centres are implemented as Central Sector activities under PMMSY with 100% central funding in association with the central and State Government research and academic institutions.

Recognizing the importance of genetically improved and high-quality seed for aquaculture, Rs.200.00 crore has been allocated under PMMSY for establishment of NBC and Genetic Improvement Programmes of economically important aquaculture species. The Department of Fisheries, GoI has approved programmes for the genetic improvement of commercially important species such as: (i) Scampi (*Macrobrachium rosenbergii*), (ii) *Penaeus indicus*, (iii) *P. monodon*, (iv) Common Carp (*Cyprinus carpio*), (v) Indian Pompano, (vi) Catla, (vii) Rohu, (viii) Murrel, and (ix) Rainbow Trout. These projects sanctioned under PMMSY during the year 2020-21 to 2024-25, are being implemented by various ICAR Institutes and State Fisheries Universities at a total cost of ₹60.03 crore. The Government of Andhra Pradesh has not submitted any proposal on genetic improvement programme or NBC under the PMMSY. The organization-wise project details and duration are given in Annexure-I.

Further, the Department of Fisheries, Government of India has designated the ICAR-Central Institutes of Freshwater Aquaculture (ICAR-CIFA), Bhubaneswar, as the NBC for freshwater species and the Regional Centre of ICAR-Central Marine Fisheries Research Institutes (ICAR-CMFRI), Mandapam, Tamil Nadu, as the NBC for Marine species. The DoF, GoI has also extended financial support to the Marine Products Export Development Authority (MPEDA) for the establishment of an Evaluation Centre-cum-BMC for genetically improved *Peneus monodon* at Kanyakumari, Tamil Nadu. Besides, the guidelines for establishment and operation of Nucleus Breeding Centre and Broodstock Multiplication Centres in India has been notified under the Coastal Aquaculture Authority Act 2005 and the States/UTs can established NBC/BMC as per the said guideline.

The improved broodstock developed through these genetic improvement programme and the NBCs are supplied to the State Brood Banks established under the erstwhile Blue Revolution Scheme and PMMSY as well as to the private hatcheries across the country - including those in Andhra Pradesh - for production of high-quality seed to support aquaculture.

Statement referred to in reply to the part (b) and (c) of the Lok Sabha Starred Question No.375 due for answer on 19th August,2025 raised by Shri Appalanaidu Kaliseti, regarding Nucleus Breeding Centres under PMMSY

(Rupees in Lakh)

Sl. No	Name of Sub-components/Activities	Cost of the project	Timeline of Project completion
(i)	(ii)	(iii)	(iv)
1	Scaling up of genetic Improvement programme of <i>Macrobrachium rosenbergii</i> (Scampi), ICAR-CIFA, Bhubaneswar	400.07	31.03.2025
2	Establishment of Pilot Scale Broodstock Multiplication Centre for <i>P monodon</i> , MPEDA, RGCA, Vishakhapatnam.	532.00	31.12.2025
3	Establishment of Shrimp Evaluation Study Unit (SEU) for <i>P. monodon</i> to evaluate the reproductive and growth performance of founder families of DTSP at Rajakkamangalam, Kanyakumari District	675.50	31.12.2025
4	Development of Indigenous Shrimp (Indian white shrimp) Aquaculture: Genetic Improvement Program of <i>Penaeus indicus</i> , Phase-I, ICAR-CIBA, Chennai	2504.40	31.3.2026
5	Development of pure lines for genetic improvement in rainbow trout: up scaling and sustainable quality seed production in Kashmir Valley to enhance aquaculture production, Sri Nagar	212.84	31.12.2025
6	Genetic Improvement of Common Carp <i>Cyprinus carpio</i> for Inland Saline Aquaculture: Strain development for underutilized water resources, Regional centre of ICAR-CIFE, Rahtak, Haryana	928.81	31.12.2025
7	Strengthening of Nucleus Breeding Center (NBC) of Freshwater Fishes (AhR-Jayanti, CIFA-Amrit Catla and CIFA-GI Scampi) and Establishment of NBC for Striped Murrel, ICAR-CIFA, Bhubaneswar	250.00	31.03.2026
8	Nucleus Breeding Centre for Marine Fish Species at Regional Centre of ICAR-CMFRI, Mandapam, Tamil Nadu	500.00	31.03.2028
	Total	6003.62	
