

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

**LOK SABHA**  
**UNSTARRED QUESTION NO.1176**  
ANSWERED ON 06.02.2026

**ASSISTANCE TO SHIPBUILDING, RESEARCH AND DEVELOPMENT SCHEME**

1176. SHRI. APPALANAIDU KALISSETTI:  
SHRI TANGELLA UDAY SRINIVAS:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:

**पत्तन, पोत परिवहन और जलमार्ग मंत्री**

- (a) the details of projects approved under the Assistance to Shipbuilding, Research and Development Scheme including funds allocated, released and utilised during the last five years, year-wise and State-wise;
- (b) the details of projects approved under the said Scheme in Andhra Pradesh and their present status, district-wise;
- (c) the details of proposals received from various State Governments, including Andhra Pradesh, that are pending with the Union Government, along with funds requested and reasons for pendency; and
- (d) the measures being taken to expedite appraisal, approval and implementation of pending proposals under the said Scheme?

**ANSWER**

MINISTER OF PORTS, SHIPPING AND WATERWAYS  
(SHRI SARBANANDA SONOWAL)

(a) to (d) The Projects approved towards the grant of financial assistance under Shipbuilding Financial Assistance Policy (SBFAP) pertain specifically to the Shipbuilding contracts of various vessels built across shipyards in Goa, Gujarat, West Bengal, Kerala, Maharashtra, Karnataka & Andhra Pradesh. The details of SBFAP is at **Annexure-1**. Further, the details of projects approved under the Research and Development (R&D) Scheme including funds allocated, released and utilised during the last five years, year-wise and State-wise is at **Annexure-2 & 3**. At present, no proposal of State Government is pending with Union Government. However, the receiving of applications and their approval under SBFAP and R&D Schemes is a continuous and ongoing process. Further, to expedite the process, continuous review meetings are undertaken at various levels.

A. The year wise financial assistance disbursed under SBFAP is placed as follows:

Financial Year	Amount disbursed
FY 2020-2021	₹ 49,98,33,610.00
FY 2021-2022	₹ 64,62,52,605.00
FY 2022-2023	₹ 58,03,99,287.00
FY 2023-2024	₹ 89,93,42,483.00
FY 2024-2025	₹ 1,37,24,95,799.00
FY 2025-2026 (till 3 <sup>rd</sup> Qtr.)	₹ 1,23,13,33,159.00
<b>Total Amount disbursed</b>	<b>₹ 5,22,96,56,943.00</b>

B. The details of funds allocated, released and utilised during the last five years, year-wise and State-wise under SBFAP are as follows:-

(In rupees)

State / FY	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
<b>Goa</b>	30,37,09,387	32,48,51,781	15,89,00,055	51,65,07,089	1,07,08,33,023	75,44,99,420
<b>Gujarat</b>	9,86,42,223	1,33,47,261	2,96,60,580	5,27,29,219	2,23,81,560	2,99,94,300
<b>Kerala</b>	—	30,80,53,563	37,52,13,616	10,49,81,250	4,04,02,977	3,42,21,498
<b>West Bengal</b>	9,74,82,000	—	1,66,25,036	15,60,63,785	2,79,32,503	3,84,24,995
<b>Karnataka</b>	—	—	—	6,90,61,140	20,03,81,140	32,12,76,054
<b>Maharashtra</b>	—	—	—	—	1,05,64,596	—
<b>Andhra Pradesh</b>	—	—	—	—	—	5,29,16,892

C. The details of project approved under SBFAS in Andhra Pradesh are as follows

Application No.	Shipyard Name	Application Submitted Date	Hull No(s)	Present Status (till date)
Y015100352	San Maritime India Private Limited	14-01-2026	116	Vessel under construction
Y005400289	San Marine	10-02-2025	1016	Vessel under construction
Y005400231	San Marine	13-07-2024	1020	Vessel under construction
Y005400230	San Marine	27-07-2024	1017	Vessel under construction
Y005400200	San Marine	18-03-2024	111	Financial Assistance Disbursed
Y005400201	San Marine	18-03-2024	1015	Financial Assistance Disbursed
Y005400175	San Marine	02-08-2023	109	Financial Assistance Disbursed

## R&amp;D (Shipping)

Sl.No.	Name of the Research Project	Funds allocated (In Lakhs)	Project Proponent (State)	Fund Released during the last five years (Amount in Rs. Lakh)	Utilised fund during the last five years (Amount in Rs.)	Status of the Project
1	Hydrogen Fuel Cell Vessel	1750	CSL, Kochi	2021-2022: 393.75 Lakh 2022-2023 : Nil 2023-2024 : 708.64 Lakh 2024-2025 : 210 Lakh	2021-2022 : Nil 2022-2023 : 240.98 Lakh 2023-2024 : 774.91 Lakh 2024-2025 : 96.50 Lakh	Completed
2	Green shipping: Drag reduction of underwater bodies by modifying the surface and flow conditions.	76.09624	IIT Delhi	FY 2023-24 : 210.10 Lakh FY 2024-25 : 126.53 Lakh FY 2025-26 : 38.56 Lakh	FY 2023-24 : 111.06 Lakh FY 2024-25 : 123.67 Lakh FY 2025-26 : 38.56 Lakh	Approved
3	Analysis of Fiber Reinforced/Sandwich Composite Ship Structural System.	81.02	IIT Delhi			
4	Development of a shallow-water towing simulation software for complex bathymetry and hull shapes.	69.81304	IIT Delhi			
5	Robust machine learning based optimization of ship hull by IIT Delhi.	71.06	IIT Delhi			
6	Structural health monitoring of ship hulls using artificial intelligence for increased safety and condition-based decision-making.	76.472	IIT Delhi			
7	The design, Development construction and demonstration of fully indigenous autonomous surface vessel (ASV) pilot project.	4000	CSL, Kochi	FY 2024- 25 : 925.06 Lakh 2025-2026 : 164.52 Lakh* (Rs 164.52 Lakh Diverted by MoPSW to IMU & IIT Delhi from CSL fund)	FY 2024- 25 : 314.28 Lakh FY 2025-26 : 446.26 Lakh	Approved
8	Synthesis, Characterization and Applications of Doped Titanium Nano-Metal Oxide Additives in Bio-based Vegetables Gear Oil Lubricant for Marine Applications.	55.72	Indian Maritime University, Chennai	FY 2024 -25 : 7.43 Lakh FY 2025 -26 : 17.27 Lakh (As on 15.01.2025)	FY 2024 - 25: 37.43 Lakh FY 2025 -26 : 7.43 Lakh	Approved

9	Development of mathematical model for the maneuverability, predictions of island vessels.	104.35	Indian Maritime University, Visakhapatnam	FY 2024 -25 : 30.00 Lakh FY 2025 -26 : 9.42 Lakh (As on 15.01.2025)	Approved
10	Studies for ensuring channel stability off Haldia multi-model terminal of IWAI.	37.4	Indian Maritime University, Visakhapatnam	FY 2025 -26 : 37.40 Lakh (As on 15.01.2025)	Approved
11	Underwater Radiated Noise from Port-related activities and its mitigation measures.	18.55	Indian Maritime University	FY 2025 -26 : 18.55 Lakh (As on 15.01.2025)	Approved
12	Numerical studies on Hull form optimization of Indian Inland vessels for minimum wave wash.	78.272	Indian Maritime University, Visakhapatnam	FY 2025 -26 : 24.18 Lakh (As on 15.01.2025)	Approved
13	Design and development of an innovative methodology for advanced assessment of the lubricating oil performance based on frequency domain spectroscopy used for marine applications.	62.3656	Indian Maritime University, Kolkata	FY 2025 -26 : 22.00 Lakh (As on 15.01.2025)	Approved

## R&amp;D (Ports Sectors)

Sl. No.	Name of the Research Project	Funds allocated (In Lakhs)	Project Proponent (State)	Fund Released during the last five years (Amount in Rs.)	Utilised fund during the last five years (Amount in Rs.)	Status of the project
1	Utility of High Strength Self Compacting Alkali Activated Slag Concrete) HS-SC-AASC) filled steel tubes in the enhancement of strength and durability in Ports, Harbour, and offshore structures.	24.4	IIT Roorkee, Uttarakhand	FY 2020-21 : 12,20,000.00 FY 2021-22 : 12,20,000.00 FY 2022-23 : Nil <b>Total Amount Rs. 24,40,000</b>	FY 2020-21 : 1,11,000.00 FY 2021-22 : 12,12,412.00 FY 2022-23 : 11,16,588.00 <b>Total Amount Rs. 24,40,000</b>	Completed
2	Design, Analysis and Development of Hybrid Floating Offshore Breakwater.	49.2184	NITK, Karnataka	FY 2021-22 : 28,00,000.00 FY 2022-23 : 15,00,000.00 FY 2023-24 : 6,21,840.00 <b>Total Amount Rs. 49,21,840.00</b>	FY 2021-22 : 3,44,219.00 FY 2022-23 : 28,54,664.00 FY 2023-24 : 12,09,936.00 <b>Total Amount Rs. 44,08,819.00</b>	Completed
3	Ameliorate Dredged Sediments.	140.55	IIT Bombay Maharashtra	FY 2021-22 : 20,00,000.00 FY 2022-23 : 24,90,000.00 FY 2023-24 : 35,10,000.00 FY 2024-25 : Nil <b>Total Amount Rs. 80,00,000.00</b>	FY 2021-22 : 2,32,006.00 FY 2022-23 : 8,72,158.00 FY 2023-24 : 55,73,171.00 FY 2024-25 : 3,99,090.00 <b>Total Amount Rs. 70,76,425.00</b>	Completed
4	New resilient breakwater for the safety of Port and Harbour against Tsunami	45.00 (22.5 MoPSW +22.5 NMPA)	NITK, Karnataka	FY 2022-23 : 15,10,000.00 FY 2023-24 : 3,75,000.00 FY 2024-25 : 3,65,000.00 <b>Total Amount Rs. 22,50,000.00</b>	FY 2022-23 : 5,58,635.00 FY 2022-23 : 13,26,365.00 FY 2023-24 : 3,65,000.00 <b>Total Amount Rs. 22,50,000.00</b>	Completed
5	Submerged vanes for river training and sediment management in streams and their field application.	172.5	IIT Roorkee, Uttarakhand	FY 2021-22 : 35,00,000.00 FY 2022-23 : 45,00,000.00 FY 2023-24 : 20,00,000.00 FY 2024-25 : 48,67,800.00 FY 2025-26 : 6,75,039.00 <b>Total Amount Rs. 1,55,42,839.00</b>	FY 2021-22 : 5,86,165.00 FY 2022-23 : 56,43,215.00 FY 2023-24 : 37,70,620.00 FY 2024-25 : 24,82,746.00 FY 2025-26 : 30,54,673.00 <b>Total Amount Rs. 1,55,37,419.00</b>	Completed

6	Valorization of Dredged Sediments.	46.4738	IIT Bombay Maharashtra	FY 2024-25 : 24,46,400.00 FY 2025-26 : 8,68,400.00 <b>Total Amount  Rs.  33,14,800.00</b>	FY 2024-25 : 15,12,304.00 FY 2025-26 : 11,03,939.42 (as on 31.12.2025) <b>Total Amount  Rs.  26,16,243.42</b>	Approved
7	Comprehensive Analysis of Siltation Behaviour of Navigation Channels and basins of MbPT& JNPT.	96.899	IIT Bombay Maharashtra	FY 2024-25 : 60,41,200.00 FY 2025-26 : 21,50,000.00 <b>Total Amount  Rs.  81,91,200.00</b>	FY 2024-25 : 27,99,611.00 FY 2025-26 : 43,16,389.00 (as on 31.12.2025) <b>Total Amount  Rs.  71,16,000.00</b>	Approved
8	R & D Scheme "Improved draft forecasting and morphological change predictions affecting navigation in River Hooghly using computer applications"	82.968	IIT Kharagpur West Bengal	FY 2024-25 : 49,89,600.00 FY 2025-26 : Nil <b>Total Amount  Rs.  49,21,840.00</b>	FY 2024-25 : 8,31,600.00 FY 2025-26 : :22,03,096.00 (as on 31.12.2025) <b>Total Amount  Rs.  30,34,696.00</b>	Approved

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