

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS

RAJYA SABHA
UNSTARRED QUESTION NO. 1275
ANSWERED ON 10.02.2026

**INVESTMENTS, R&D, BUDGET UTILISATION, AND EMPLOYMENT IN
MARITIME SECTOR**

1275. SMT. JEBI MATHER HISHAM:

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

- (a) the details of domestic and foreign investments in the maritime sector over the last five years, port-wise;
- (b) the expenditure on Research and Development over the last five years, port-wise;
- (c) the list of central sector port development schemes and projects over the last five years, with year-wise budget allocation and actual utilisation, port-wise;
- (d) the details on grants released to the Tariff Authority for Major Ports over the last five years;
- (e) the details on grants released to the Indian Maritime University over the last five years; and
- (f) the details of job creation from maritime sector development over the last five years, port-wise?

ANSWER

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

(a) and (f) The details of domestic and foreign investments and job creation at Major Ports for last five years is as under:

Sl. No.	Name of the Major Port	Details of domestic and foreign investments over the last five years (₹ in crore)	Number of jobs created at Ports during the last five years, including those pertaining to regular employees / personnel engaged on contractual basis
1.	Chennai Port Authority	313.83	224
2.	Cochin Port Authority	70.45	312
3.	Deendayal Port Authority	3312.24	2650

4.	Jawaharlal Nehru Port Authority	7908.92	1560
5.	Kamarajar Port Limited	1898.3	4000
6.	Mormugao Port Authority	495.6	375
7.	Mumbai Port Authority	1222.02	2100
8.	New Mangalore Port Authority	406.63	1227
9.	Paradip Port Authority	1900.08	2100
10.	Syama Prasad Mookerjee Port Authority	1424.49	9800
11.	Visakhapatnam Port Authority	1941.53	2156
12.	V.O. Chidambaranar Port Authority	1127.78	819

(b) The project wise expenditure under the scheme of research and development ports over the last five years is available at Annexure - 1.

(c) Sagarmala is the flagship Central Sector scheme of the Ministry of Ports, Shipping and Waterways to promote port-led development in the country. Under the Sagarmala scheme, the Ministry provides financial assistance to State/UT Governments for Port infrastructure projects. The year wise funds allocation and utilisation under Sagarmala scheme is as under:

Year	Budget allocation (₹ in crore)	Actual utilization / expenditure (₹ in crore)
2020-21	147	146.86
2021-22	355.73	355.73
2022-23	412.78	412.31
2023-24	433.54	398.66
2024-25	709	688.14

The details of the projects funded under Sagarmala scheme is available at Annexure - 2.

(d) The details of grant released to Tariff Authority for Major Port over the last five years is as under:

Year	Grant released (₹ in crore)
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2020-21	9.60
2021-22	6.66
2022-23	8.75
2023-24	9.00
2024-25	9.50

(e) The details of grant released to Indian Maritime University over the last five years is as under:

Year	Grant released (₹ in crore)
2021-22	01
2022-23	62.46
2023-24	87.85
2024-25	99.54
2025-26	65.62

Annexure - 1

The project wise expenditure under the scheme of research and development ports over the last five years:

Sl. No.	Name of the Research Project	Organisation	Year	Expenditure / utilized fund (in ₹)
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	All Major Ports	2020-21	1,11,000
			2021-22	12,12,412
			2022-23	11,16,588
2.	Design, Analysis and Development of Hybrid Floating Offshore Breakwater	New Mangalore Port Authority	2021-22	3,44,219
			2022-23	28,54,664
			2023-24	12,09,936
3.	Ameliorate Dredged Sediments.	Jawaharlal Nehru Port Authority	2021-22	2,32,006
			Mumbai Port Authority	2022-23
		2023-24		55,73,171
		2024-25		3,99,090
		4.	New resilient breakwater for the safety of Port and Harbour against Tsunami	New Mangalore Port Authority
2023-24	3,65,000			
5.	Submerged vanes for river training and sediment management in streams and their field application	Inland Waterways Authority of India	2021-22	5,86,165
			2022-23	56,43,215
			2023-24	37,70,620
			2024-25	24,82,746
			2025-26	30,54,673

Sl. No.	Name of the Research Project	Organisation	Year	Expenditure / utilized fund (in ₹)
6.	Valorization of Dredged Sediments	Mumbai Port Authority	2024-25	15,12,304
			2025-26 (as on 31.12.2025)	11,03,939
7.	Comprehensive Analysis of Siltation Behaviour of Navigation Channels and basins of MbPT& JNPT	Jawaharlal Nehru Port Authority	2024-25	27,99,611
		Mumbai Port Authority	2025-26 (as on 31.12.2025)	43,16,389
8.	R&D Scheme “Improved draft forecasting and morphological change predictions affecting navigation in River Hooghly using computer applications”	Inland Waterways Authority of India	2024-25	8,31,600
			2025-26 (as on 31.12.2025)	22,03,096

The details of 128 projects funded under Sagarmala scheme:

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
1	Providing separate approach way for cargo movement in Havelock jetty at Havelock	Andaman and Nicobar Islands	15/01/2021	10.91
2	Construction of coastal Berth at VPT	Andhra Pradesh	01/04/2014	43.00
3	Construction of grade separator from H-7 area to Port connectivity Road by passing Convent Junction - Visakhapatnam Port	Andhra Pradesh	27/02/2017	46.34
4	2 to 4 laning of port road connectivity to NH – 5 -Phase II	Andhra Pradesh	30/12/2015	77.00
5	DDUGKY Phase I Andhra Pradesh	Andhra Pradesh	28/07/2016	0.28
6	Centre of Excellence in Maritime and Shipbuilding - CEMS - AP - 18 out of 24 Labs	Andhra Pradesh	30/10/2017	574.00
7	Construction of fishing harbour at Juvvaladinne in Nellore District	Andhra Pradesh	18/03/2020	288.00
8	Improvement of Kakinada Anchorage Ports infrastructure in East Godavari district	Andhra Pradesh	02/06/2021	73.34
9	Recycling/Reuse of Sewage Treated Water from Sewerage Infrastructure Development Corporation of goa Ltd (SIDCGL) located at Katem Baina	Goa	13/03/2024	3.18
10	Road circulation plan for ease of movement of break bulk cargo at Mormugao	Goa	20/09/2018	19.35
11	Full rake wagon handling line with paving 30m wide at Mormugao	Goa	26/09/2016	17.65
12	Removal of 2 Nos. Mooring of Spiral in the area of Cruise Berth - Mormugao	Goa	25/02/2019	13.87
13	2nd Full rake handling line RD 8A with 30m paving	Goa	27/09/2019	6.59
14	Construction of an Up-Ramp at MPT Railway yard Baina.	Goa	11/11/2020	21.99
15	Construction of 12m wide concrete road connecting berth 5 6 7 8 & 9 to new entry / exit road	Goa	09/02/2021	9.51
16	Balance Portion 4 Lane road connectivity to NH17 - for Mormugao Port	Goa	16/03/2024	719.00
17	Installation of 3 MWp Solar Power Plant with Virtual Net Metering on Turnkey	Goa	19/06/2025	11.91

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
	Basis			
18	Coastal jetty at Navlakhi for cement	Gujarat	27/02/2017	108.00
19	Capital Dredging work of Ro-Pax Ferry services between Gogha and Dahej in Gulf of Cambay.	Gujarat	21/09/2016	208.85
20	Construction of RoRO/ Ro-Pax Facility at Hazira	Gujarat	15/03/2021	98.42
21	Upgradation of Dredging of Ghogha Channel, Turning Circle and Approach Channel to achieve depth of 7 meter".	Gujarat	30/03/2022	62.49
22	Third stage expansion including modernisation of the existing fishing harbour of Malpe in Udupi District in Karnatak	Karnataka	25/01/2017	50.00
23	Modernisation of the existing fishing harbour at Amadalli in Uttara Kannada	Karnataka	29/12/2016	19.00
24	DDUGKY Phase I Karnataka	Karnataka	05/08/2016	1.53
25	Installation of Fire Fighting Equipment at Karwar Port	Karnataka	03/03/2022	18.21
26	Refurbishment and Capacity enhancement of Coastal liquid terminal - COT and NTB at CoPT	Kerala	24/04/2015	19.27
27	Construction of Multipurpose Coastal Berth at Kollam	Kerala	21/11/2017	18.50
28	Construction of Fishing Harbour at Thalai in Kannur District	Kerala	29/12/2016	35.00
29	Construction of Mini Fishing Harbour Chettuva in Thrissur District	Kerala	25/01/2017	30.00
30	Reconstruction of South Coal Berth at Cochin Port for handling chemicals	Kerala	13/12/2019	19.30
31	Development of RORO facilities for handling propylene and other cargo at Cochin Port	Kerala	22/04/2022	12.46
32	Passenger Jetty at Janjira Fort, Raigad District	Maharashtra	14/10/2022	121.23
33	Construction of break water at Mandwa	Maharashtra	04/03/2016	72.14
34	Ro Ro service at Mandwa -Phase 2 of Mandwa port development	Maharashtra	26/09/2016	63.00
35	Construction of Ro-Ro jetties at Vasai	Maharashtra	14/12/2016	6.73
36	Construction of approach jetty and sloping berth jetty and approach road to facilitate Ro Ro jetty at Bhayander	Maharashtra	14/12/2016	7.25
37	Construction of Ro Ro jetty at Narangi	Maharashtra	27/12/2016	6.75

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
	(Virar)			
38	Construction of jetties at Ghodbunder	Maharashtra	22/12/2016	7.40
39	Construction of Ro Ro Jetty at Malvan Passenger Jetty at Sindhudurg Port in Maharashtra	Maharashtra	27/12/2016	10.63
40	Dredging in the Navigational Channel for Ro-Ro Pax Services at Mandwa	Maharashtra	20/11/2017	16.54
41	Stage II expansion of Mirkawada Fishing Harbour in Ratnagiri	Maharashtra	29/12/2016	75.00
42	DDUGKY Phase I Maharashtra	Maharashtra	28/07/2016	5.50
43	Centre of Excellence in Maritime and Shipbuilding -CEMS - Maharashtra-6 out of 24 Labs	Maharashtra	30/10/2017	191.00
44	Construction of passenger boat landing jetty at KanhojiAngre Island	Maharashtra	17/08/2020	7.68
45	Construction of Coastal Berth at JNPT	Maharashtra	22/09/2017	143.00
46	Construction of Fishing Harbor at Karanja, Raigad district	Maharashtra	13/08/2018	149.80
47	Construction of Tourism jetty at Belapur	Maharashtra	23/07/2018	6.50
48	Construction of tourism Jetty at Veldur, Distt.-Ratnagiri	Maharashtra	18/07/2018	7.06
49	Construction of Ro-Ro Jetty at AmbadaveShigwan in Raigad District	Maharashtra	23/07/2018	7.37
50	'Construction of Approach road to Kharwadeshwari Jetty in District Palghar	Maharashtra	26/03/2019	15.00
51	Construction of Third Chemical Berth at Pirpau, MbPT	Maharashtra	27/01/2022	161.00
52	SCADA and PLC automation system at Marine Oil Terminal at Mumbai Port	Maharashtra	04/05/2022	22.77
53	DDUGKY Phase I Odisha	Odisha	01/08/2016	3.72
54	Capital Dredging for Puducherry Port	Puducherry	30/03/2018	27.65
55	Development and Operation of a full-fledged Truck Parking Terminal adjacent to NH7A opposite to Fisheries college at V. O. Chidambaranar	Tamil Nadu	24/03/2016	23.69
56	Coastal berth with dredged depth of 10.0m to handle vessels up to 15000 DWT -length 150m at VoCPT	Tamil Nadu	23/06/2015	36.00
57	Coastal Cargo Berth at ChPT	Tamil Nadu	2015-16	80.00
58	Construction of Breakwater both in North and South side of entrance channel- Berth-1- Berth-2 and Capital Dredging at Cuddalore Port -From entrance channel	Tamil Nadu	27/02/2017	135.00

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
	till cargo berths			
59	Development of paved storage yard at Chennai Port for handling export cargo	Tamil Nadu	16/02/2018	51.46
60	Construction of Bunker berth at Chennai Port	Tamil Nadu	23/02/2018	44.00
61	Construction of a fishing harbour at Poompohar in Nagapattinam District	Tamil Nadu	26/12/2016	148.00
62	Expansion of fishing harbour at Chinnamuttomin Kanyakumari District	Tamil Nadu	25/01/2017	74.00
63	DDUGKY Phase I Tamil Nadu	Tamil Nadu	09/08/2016	2.94
64	Construction of widening the Korampallam Surplus course bridge and rail over bridge -RoB including widening of road from western boundary to TTPS	Tamil Nadu	07/10/2020	41.55
65	Dredging the dock basin for coastal cargo berth at VOCPT -Dredging in front of dedicated coastal berth	Tamil Nadu	21/11/2017	98.00
66	National Technology Centre for Ports, Waterways and Coasts (NTCPWC) at IIT Madras.	Tamil Nadu	30/06/2018	77.03
67	Fishing harbor at Mookaiyur in Ramanathapuram district	Tamil Nadu	19/07/2018	113.90
68	Construction of fish landing centre at Kunthukal in Ramanathapuram District of Tamil Nadu.	Tamil Nadu	27/02/2019	74.00
69	Modern elevated steel bridge for safe transport of tourists from Vivekananda Rock to Thiruvalluvur statue	Tamil Nadu	17/12/2020	37.00
70	Development of Buffer Parking yard for Trailers / Trucks at the backup areas of Berth No. 24B(BD-II) in Chennai Port Authority	Tamil Nadu	13/03/2024	49.06
71	RoB cum Flyover at Ranichak level crossing at KoPT	West Bengal	24/11/2015	127.80
72	Improvement of road connectivity to facilitate trade and port users at KoPT	West Bengal	27/09/2016	13.52
73	Upgradation of the track 10-12-14-16-18-19-20-21- 22 and 23 at EJC yard of KoPT	West Bengal	27/09/2016	47.00
74	Upgrade of existing rail network at Kolkata Dock System	West Bengal	05/10/2016	9.00
75	2nd Railway Line from Durgachak take off point to 'A' cabin at Durgachak at	West Bengal	01/02/2016	117.00

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
	HDC			
76	Improvement of road connectivity to facilitate trade and port users at KoPT, Phase-2	West Bengal	24/09/2018	87.91
77	Design, Engineering & Construction for Rehabilitation of No.7, NSD Old Berth including Development of Backyard at N.S. Dock of KDS - SMP, Kolkata'	West Bengal	12/07/2022	80.74
78	Anti-erosion work on the left bank of river Hooghly/ Bhagirathi Block & P.S. Kalyani, Nadia district, Kolkata (WB)	West Bengal	23/03/2023	14.99
79	DDUGKY Phase II Andaman & Nicobar Islands	Andaman and Nicobar Islands	24/08/2021	7.09
80	Development of Sea Port Terminal at Havelock SwarajDweep	Andaman and Nicobar Islands	14/01/2021	24.98
81	Modernisation of Visakhapatnam Fishing Harbour	Andhra Pradesh	30/03/2022	178.51
82	DDUGKY Phase II Andhra Pradesh	Andhra Pradesh	12/03/2019	5.98
83	Augmentation of Firefighting facilities at Berth no. 8 of MgPA on Turnkey basis	Goa	05/06/2025	17.76
84	International & Domestic Cruise Terminal and Ferry Terminal at Mormugao Port, Goa	Goa	15/07/2020	87.44
85	Construction of Ro-Ro/ Ro-Pax facility at Muldwarka	Gujarat	03/11/2021	90.49
86	DDUGKY Phase II Gujarat	Gujarat	04/07/2019	10.85
87	National Maritime Heritage Complex, Lothal	Gujarat	25/02/2019	573.12
88	Construction of fishing harbor at Mangrol (Phase-III), Junagarh	Gujarat	16/10/2017	158.00
89	Occupational Safety and Health Training in Alang	Gujarat	20/09/2016	30.00
90	DDUGKY Phase II Karnataka	Karnataka	29/02/2024	2.18
91	Development of Fishing Harbour at Kulai	Karnataka	28/02/2018	196.51
92	Development of existing fish landing center at HejamadiKodi in Udupi district of Karnataka	Karnataka	13/08/2018	138.60
93	Construction of coastal cargo berth at Old Mangaluru Port	Karnataka	14/09/2017	65.00
94	DDUGKY Phase II Kerala	Kerala	12/03/2019	25.46
95	Modernization and up-gradation of Cochin Fishing Harbour	Kerala	11/03/2022	169.17

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
96	DDUGKY Phase II Maharashtra	Maharashtra	21/10/2019	15.11
97	Modernization of existing Fishing Harbor at Sassoon Dock, Mumbai	Maharashtra	02/04/2016	92.52
98	Development of Fishing Harbour at Mallet Bunder, Mazgaon	Maharashtra	20/01/2022	96.60
99	Development of Ro-Ro Service at Rewas	Maharashtra	03/08/2020	21.66
100	Construction of Ro-Pax jetty and Terminal at Mora, Distt. Raigad	Maharashtra	06/08/2021	82.92
101	Construction of fishing harbour at Anandwadi (Deogad) in Sindhudurg District	Maharashtra	28/03/2018	88.44
102	Construction of Approach Jetty and sloping berth jetty and Approach Road to facilitate Ro-Ro Jetty at Manori, Maharashtra	Maharashtra	14/12/2016	6.59
103	Construction of jetty at Arnala fort- Tal Vasai- Dist. Thane	Maharashtra	25/09/2020	9.94
104	Up-gradation/modernization of International Cruise Terminal at Indira Dock, Mumbai	Maharashtra	27/01/2017	363.30
105	Tourism Jetty at Kashid in Raigad District	Maharashtra	30/03/2018	99.82
106	DDUGKY Phase II Odisha	Odisha	11/02/2025	22.83
107	Ro-pax Jetty and allied infrastructure connecting Kaninali in Bhadrak District & Talchua in Kendrapada District".	Odisha	05/04/2021	136.98
108	Modernization and upgradation of Paradip Fishing Harbour	Odisha	03/01/2022	99.75
109	Construction of fishing harbor at Chandipur (Balaramagadi) in Balasore district, Odisha.	Odisha	06/08/2018	49.94
110	Ro-pax Jetty and allied infrastructure connecting Balugaon in Khurda District & KrishnaprasadGada in Puri District	Odisha	21/09/2020	37.02
111	DDUGKY Phase II Puducherry	Puducherry	14/02/2022	2.22
112	Upgradation of Nagapattinam Port Infrastructure for the passenger ferry service from Nagapattinam (India) to Kankesanthurai (Sri Lanka)	Tamil Nadu	21/08/2024	10.47
113	Creation of Berthing facilities for the tourist vessels at Agni Theertham, Tamil Nadu	Tamil Nadu	07/03/2023	7.58

Sl. No.	Project Name	State/UT	Sanction Date	Project cost (in ₹ crore)
114	Creation of additional berthing facilities for the tourist vessels at VilloondiTheertham, Tamil Nadu	Tamil Nadu	08/02/2023	3.66
115	DDUGKY Phase II Tamil Nadu	Tamil Nadu	27/03/2019	10.67
116	Modernization and up-gradation of Chennai Fishing Harbour	Tamil Nadu	22/02/2022	97.95
117	Development of Passenger jetty at Kanyakumari	Tamil Nadu	23/03/2018	20.00
118	Setting up of Centre for Inland and Coastal Maritime Technology (CICMT) at Indian Institute of Technology, Kharagpur	West Bengal	07/03/2019	69.20
119	Development of River Cruise terminal and river tourism facility along with riverfront beautification works at KDS, SMP, Kolkata'	West Bengal	11/08/2025	75.82
120	Augmentation of Firefighting facilities at Pir Pau Terminal of Mumbai Port	Maharashtra	30/09/2025	52.69
121	Construction of Approach road to Narangi Jetty	Maharashtra	17/10/2025	29.41
122	Construction of four EXIM Godowns and concrete roads around EXIM Godowns at Chennai Port	Tamil Nadu	25/11/2025	54.34
123	Development of paved storage yard at marshalling yard and JD (east) back up area for handling EXIM cargoes	Tamil Nadu	25/11/2025	45.90
124	Smart Lighting on Willingdon Island	Kerala	25/11/2025	2.01
125	2.3 MWp roof mounted grid connected solar power plant at Khidderpre Dock-II	West Bengal	24/11/2025	30.70
126	Extension and Improvement of Loading Platform of full rake No.8 and modification to railway infrastructure for Handling two rakes simultaneously at Line No. 08 and 8A at Mormugao Port	Goa	02/12/2025	12.58
127	Revamping/upgradation of 6 roads in port operational areas of KDS under SMPA	West Bengal	11/12/2025	19.35
128	Creation of additional berthing and Land side facilities at Chellanam Fishing Harbor in Kerala	Kerala	19/12/2025	7.65
