

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA
UNSTARRED QUESTION NO- 4870
ANSWERED ON 31/03/2023

RO-RO/RO-PAX FERRY

4870. SHRI RAMESH CHAND BIND:
SHRI MITESH RAMESHBHAI PATEL (BAKABHAI):
SHRIMATI SHARDABEN ANILBHAI PATEL:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:
पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) whether it is a fact that there is a need to connect all Major and non-Major ports through waterways on the line of RO-RO/RO-PAX ferry services along the coast of India;
- (b) if so, whether the Government proposes to connect all ports along the coast for viable waterways ecosystem, if so, the details thereof;
- (c) whether tourist potential cities along the western coast will be taken up, on priority to enhance tourism in the region; and
- (d) if so, the details of the steps taken by Government and the number of ports identified under the proposal, State-wise?

ANSWER

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

(a) & (b) Yes Sir. Objective is to connect all Major and non-Major ports along the coast of India with most efficient, green and economic mode of transport, including river waterways wherever possible.

Out of the 111 National Waterways (NWs) declared under National Waterways Act, 2016, 9 NWs provide connectivity with 7 Major Ports and 14 NWs provide connectivity with 22 non major ports. The NWs linking the Ports in the coastal States are detailed at **Annexure 1**.

(c) & (d) In view of immense potential and distinct advantages of ferry services, Ministry of Ports, Shipping and Waterways is financially supporting 47 projects with total project cost of Rs. 1960 crore. Out of the 47 Ro-Ro/Ro-Pax/Passenger ferry projects in the ports of various states, 5 projects are in the State of Gujarat, 28 in Maharashtra, 5 in Karnataka and 1 in Goa. Details of 47 projects are at **Annexure 2**. Apart from facilitating cargo and passenger movement, this will also provide cost effective and eco-friendly transport to the tourists.

Further, under the ambit of Sagarmala Program, Ministry has operationalised Ro-Pax Ferry service between Ghogha-Hazira in Gujarat and Mumbai-Mandwa in Maharashtra bringing the travel time to 3 hours and 45 minutes with an estimated carbon (CO₂ emissions) reduction of 24 MT per day and 13 MT per day respectively. Till December, 2022 these services have benefited more than 13 lakh passenger and 2.5 lakh passenger vehicles contributing towards clean environment and public welfare.

Details of NWS National Waterways (NWS) linking with Ports in the coastal States

S No	Connectivity with Major Ports	National Waterways (NWS)
1	Shyama Prasad Mookerjee Port, Kolkata & Haldia	1. NW-1 (Ganga-Bhagirathi-Hoogli river system – 1620 km) with Farakka (WB)-Sahibganj (Jharkhand)-Patna (Bihar)-Varanasi (UP) and Prayagraj (UP). 2. NW-97 (Sunderbans-172 km) (WB) 3. NW-86 (river Roopnarayan 72 km) in West Bengal.
2	Paradip	1. NW-5 (Brahmani- Kharsua - Tantighai-PanduaNala- DedheiNala- KaniDhamra- river System, Geonkhali- Charbatia Stretch of East Coast canal, Charbatia- Dhamra Stretch of Matai river and Mahanadi Delta rivers (588) / Odisha) 2. NW-64 (Mahanadi River)
3	Cochin	NW-3 (West coast canal from Kozhikode to Kollam, Champakara canal & Udhoygamandal canal – 205 + 165 km)
4	Mormugao	NW-111 (river Zuari, Goa – 50 km))
5	New Mangalore	NW-43 (Gurupur River, Karnataka – 10 km)
6	Mumbai	NW-10 (Amba river, Maharashtra -45 km)
7	Jawaharlal Nehru Port Authority	

S No	Connectivity with Non Major Ports	National Waterways (NWS)
1	Karwar Port	NW 52 (River Kali, Karnataka - 54 Km)
2	Dhamra	NW 5 (Brahmani- Kharsua - Tantighai-PanduaNala- DedheiNala- KaniDhamra- river System, Geonkhali- Charbatia Stretch of East Coast canal, Charbatia- Dhamra Stretch of Matai river and Mahanadi Delta rivers (588) / Odisha)
3	Kakinada Deep Water	NW 4 (Kakinada-Puducherry Canal integrated with Godavari and Krishna rivers, AP, Telangana, Karnataka, Tamilnadu, Puducherry, Maharashtra – 2890 km)
4	Krishnapatnam	NW 4 (Kakinada-Puducherry Canal integrated with Godavari and Krishna rivers, AP, Telangana, Karnataka, Tamilnadu, Puducherry, Maharashtra – 2890 km)
5	Kollam / Neendakara	NW 3 (West coast canal from Kozhikode to Kollam, Champakara canal & Udhoygamandal canal – 205 + 165 km)
6	Beypore	NW 3 (West coast canal from Kozhikode to Kollam,

		Champakara canal &Udhoygamandal canal – 205 + 165 km)
7	Panaji	NW 68 (Mandovi river, Goa-41km)
8	Old Mangalore	NW 43 (Gurupur River, Karnataka-10km)
9	Bankot	NW 89 (Savitri river-Bankot creek, Maharashtra-46km)
10	Keishi	NW 89 (Savitri river-Bankot creek, Maharashtra-46 km)
11	Bhiwandi	NW 10 (Amba river, Maharashtra -45km)
12	Ulwa-Belapur (Panvel)	NW 10 (Amba river, Maharashtra -45km)
13	Trombay	NW 10 (Amba river, Maharashtra -45km)
14	Vasal	NW 10 (Amba river, Maharashtra -45km)
15	Karanja	NW 10 (Amba river, Maharashtra -45km)
16	Dabhol	NW 28 (Dabhol Creek – Vashishti river system, Maharashtra – 45km)
17	Jaigad	NW 91 (Shastri river-Jaigad Creek system, Maharashtra-52km)
18	Rajpuri / Dighi	NW 83 (Rajpuri Creek, Maharashtra – 31km)
19	Revdanda	NW 85 (Revadanda Creek – Kundalika river system, Maharashtra – 31 km)
20	Dahej	NW 73 (Narmada river, Gujarat & Maharashtra – 227 km)
21	Hazira HPPL & AHPPL	NW 100 (Tapi river, Gujarat & Maharashtra – 436 km)
22	Magdalla	NW 100 (Tapi river, Gujarat & Maharashtra – 436 km)

Annexure 2**The details of 47 Ro-Ro/Ro-Pax/Passenger ferry projects in the ports of various states**

Sr No	Name of Project	Implementing Agency	Project Cost (Rs. Cr)	Fund Released (Rs. Cr)
1	Tourism Jetty at Belapur in Navi Mumbai	Maharashtra Maritime Board	8.38	3.31
2	Ro-Ro Jetty at Bhayander	Maharashtra Maritime Board	14.00	7.10
3	Construction of Ro-Ro jetties at Narangi -Virar	Maharashtra Maritime Board	6.75	3.40
4	Construction of passenger jetty at Malvan- Sindhudurg	Maharashtra Maritime Board	10.23	5.12
5	Construction of passenger boat landing jetty at KanhojiAngre Island	Mumbai Port Trust	7.68	3.84
6	Ro Ro service at Mandwa -Phase 2 of Mandwa port development	Maharashtra Maritime Board	63.00	27.50
7	Construction and Maintenance of Ro-Pax Facility at Hazira	Deendayal Port Trust	69.06	34.53
8	Capital dredging in Navigational Channel for Ro-Ro Pax Services at Mandwa	Maharashtra Maritime Board	16.54	8.27
9	Construction of break water at Mandwa	Maharashtra Maritime Board	72	30
10	Tourism Jetty at Kashid in Raigad District	Maharashtra Maritime Board	112.46	49.91
11	Tourism Jetty at Veldur in Ratnagiri District	Maharashtra Maritime Board	7.63	3.81
12	Passenger jetty at Arnala fort- Tal Vasai- Dist. Thane.	Maharashtra Maritime Board	9.94	4.97
13	Passenger Jetty at Ambavaneshigwan in Ratnagiri district.	Maharashtra Maritime Board	7.91	3.95
14	Ro-Ro facility at Rewas	Maharashtra Maritime Board	25.07	12.54
15	Ro-Ro Jetty at Gorai	Maharashtra Maritime Board	6.90	3.46
16	Ro-Ro Jetty at Vasai	Maharashtra Maritime Board	6.73	3.37
17	Construction of Ro-Ro jetties at Kharwadeshwari -Palghar	Maharashtra Maritime Board	12.92	6.46
18	Construction of Ro-Ro jetties at Manori	Maharashtra Maritime Board	6.59	3.29

19	Construction of Ro-Ro jetties at Ghodbunder	Maharashtra Maritime Board	7.50	5.25
20	Construction of jetties at Borivali	Maharashtra Maritime Board	15.47	7.74
21	Tourism jetty at Bhavani island- Krishna district	Andhra Pradesh Tourism Development Corporation	22.00	10.00
22	Ro Ro Jetty at Mora	Maharashtra Maritime Board	88.72	44.36
23	Extension of passenger berthing facility at Kanyakumari Port	Tamil Nadu Maritime Board	20.00	10.00
24	Tourism Jetty at Durgadi -Kalyan in Thane District	Maharashtra Maritime Board	14.08	4.38
25	Tourism Jetty at Underi in Raigad District	Maharashtra Maritime Board	8.93	4.56
26	Tourism Jetty at Padmadurg in Raigad District	Maharashtra Maritime Board	19.94	9.97
27	Tourism Jetty at Suvarnadurg in Ratnagiri District	Maharashtra Maritime Board	18.16	9.08
28	Passenger jetty and Allied Facilities at DevichapadaDombivali- Tal.Kalyan.	Maharashtra Maritime Board	21.45	6.34
29	Passenger Jetty at Vasco Bay- MoPT	Mormugao Port Trust	21.00	10.00
30	Passenger Jetty at Radio club near Gate Way of India, Mumbai	Maharashtra Maritime Board	162.98	81.49
31	Ropax jetty at Kaninali	Department of Ports, Government of Odisha	55.00	50.30
32	Ropax jetty Talchua	Department of Ports, Government of Odisha	55.00	
33	Construction of jetty at Dombivali, Dist Thane- NW-53	Maharashtra Maritime Board	21.30	10.65
34	Construction of jetty at Kolshet, Dist Thane NW-53	Maharashtra Maritime Board	30.36	15.18
35	Construction of jetty at Mira-Bhayander, Dist Thane NW-53	Maharashtra Maritime Board	24.46	12.23
36	Construction of jetty at Kalher, Dist Thane NW-53	Maharashtra Maritime Board	23.55	11.77
37	Construction and Maintenance of Ro-Pax Facility at Muldwarka	Deendayal Port Trust	144.30	72.15
38	Construction of RoPax jetty at Balugaon in Khurda District	Department of Ports, Government of Odisha	27.00	22.00

39	Construction of RoPax jetty at KrushnaprasadGada in Puri District	Department of Ports, Government of Odisha	27.00	
40	Construction and Maintenance of Ro-Pax Facility at Pipavav	Deendayal Port Trust	170.06	85.03
41	Ferry Service between Satapada and Jahnikudam Odisha	Department of Ports, Government of Odisha	13.96	6.98
42	Passenger Jetty at Janjira Fort, Raigad District	Maharashtra Maritime Board	111.42	55.71
43	Creation of berthing facilities and land-side facilities at JappinaMogaru Old ferry, Karnataka	Ports & IWT, Karnataka	5.23	5.23
44	Creation of berthing facilities and land-side facilities at KasabaBengre ferry, Karnataka	Ports & IWT, Karnataka	4.89	4.89
45	Development of Waterways on Gurupur (NW- 43) in Mangalore Taluka of Karnataka	Karnataka Maritime Board	29.62	14.81
46	Integrated Development of Tadadi- Aghanashini Waterway in Kumta taluka of Uttar Kannada District	Karnataka Maritime Board	20.00	10
47	Development of waterways from Almatti to Bagalkot in Karnataka	Karnataka Maritime Board	12.2	6.10
