

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA
UNSTARRED QUESTION NO. 3870
TO BE ANSWERED ON 18TH MARCH, 2021

USE OF INLAND WATERWAYS

3870 SHRIMATI DARSHANA VIKRAM JARDOSH:

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

पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) whether any action has been taken for the use of inland waterways and if so, the details thereof, State-wise;
- (b) the details of the projects under implementation for the use of inland waterways, State-wise; and
- (c) whether the Government is planning to start ro-ro ferry service from Hazira (Surat) to Diu and Goa?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR PORTS, SHIPPING AND WATERWAYS
(SHRI MANSUKH MANDAVIYA)

(a) To promote Inland Water Transport in the country, 111 waterways have been declared as National Waterways (NWs) under the National Waterways Act, 2016 which came into effect from 12th April, 2016. Based on the outcome of techno-economic feasibility and Detailed Project Reports (DPRs) of NWs, Inland Waterways Authority of India (IWAI) has concluded that 23 NWs have been found viable for cargo movement. Out of these, developmental activities have been taken up in 13 NWs. The list of the 23 NWs viable for cargo movement is at **Annex-1**.

(b) The details of development activities initiated on National Waterways for shipping and navigation including cargo movement in various States are at **Annex-2**.

(c) Yes, Sir. Sagarmala Development Corporation Limited has recently invited Expression of Interest (Eoi) for Ro-Ro/ Ro-Pax/ ferry services, which includes ferry services from Hazira to Diu. Total 82 proposals, including both domestic and international routes, have been received.

LIST OF 23 NATIONAL WATERWAYS FOUND FEASIBLE FOR CARGO MOVEMENT

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES	Status
1	National Waterway 1	1620	Ganga-Bhagirathi-Hooghly River System (Allahabad-Haldia)	Uttar Pradesh, Bihar, Jharkhand & West Bengal	Development taken up with Assistance from World Bank Jal Marg Vikas Project
2	National Waterway 2	891	Brahmaputra River (Dhubri - Sadiya)	Assam	Development taken up as per approved SFC for FY 2020-21 to 2024-25
3	National Waterway 16	121	Barak River	Assam	
4	National Waterway 3	205	West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals	Kerala	
5	National Waterway 4	82	Krishna River (Vijayawada - Muktyala)	Andhra Pradesh	Mostly Operational Waterways and development and maintenance work taken up.
6	National Waterway 5	233	Dhamra-Paradio via Mangalagadi to Pankopal	Odisha	
7	National Waterway 8	29	Alappuzha-Changanassery Canal	Kerala	
8	National Waterway 9	40	Alappuzha-Kottayam - Athirampuzha Canal	Kerala Alternate route: 11.5km	
9	National Waterway 27	17	Cumberjua River	Goa	
10	National Waterway 68	41	Mandovi River	Goa	
11	National Waterway 86	72	Rupnarayan River	West Bengal	
12	National Waterway 97	172	Sunderbans Waterway	West Bengal	
13	National Waterway 111	50	Zuari River	Goa	
14	National Waterway 10	45	Amba River	Maharashtra	
15	National Waterway 44	63	Ichamati River	West Bengal	
16	National Waterway 52	53	Kali River	Karnataka	
17	National Waterway 57	50	Kopili River	Assam	
18	National Waterway 73	226	Narmada River	Maharashtra & Gujarat	Work to be taken subsequent to SFC/EFC approval.
19	National Waterway 83	31	Rajpuri Creek	Maharashtra	
20	National Waterway 85	31	Revadanda Creek - Kundalika River System	Maharashtra	
21	National Waterway 91	52	Shastri River - Jaigad Creek System	Maharashtra	
22	National Waterway 94	141	Sone River	Bihar	
23	National Waterway 100	436	Tapi River	Maharashtra & Gujarat	

Substantial cargo moves in tidal waters/river mouth under respective State Maritime Board. No interventions are contemplated by IWAI as of now.

The details of development activities initiated on National Waterways for shipping and navigation including cargo movement in various States

➤ National Waterway-1 (NW-1) (Ganga-Bhagirathi-Hooghly river system from Haldia to Allahabad) in West Bengal, Jharkhand, Bihar & Uttar Pradesh; NW-2 (River Brahmaputra from Dhubri to Sadiya) in Assam; NW-3 (West Coast Canal from Kottapuram to Kollam along with Champakara and Udyogmandal Canals) in Kerala, have already been developed with fairway, navigational aids, jetties and terminals with mechanized equipment handling facilities for loading and unloading of cargo. These NWs are operational and vessels are plying on them. Projects for operation and maintenance of these waterways are taken up on annual basis.

➤ Government is implementing the Jal Marg Vikas Project (JMVP) at an estimated cost of Rs. 5369.18 crore (revised cost Rs. 4633.81 crore) for capacity augmentation of navigation on National Waterway-1 (NW-1) on the Haldia-Varanasi stretch of Ganga-Bhagirathi-Hooghly River System with the technical and financial assistance of the World Bank for large barge movement.

Jal Marg Vikas Project (NW-1) Project: Status of implementation as on 28.02.2021

The project implementation is progressing as per this time schedule with completion scheduled in December, 2023. The project has achieved an overall financial progress of about 39.15% of the revised cost of JMVP and the physical progress is about 40.85%. Constructions of multi-modal terminals at Varanasi and Sahibganj have been completed and that of the multimodal terminal at Haldia and the Navigational Lock at Farakka have achieved substantial physical progress with 96.85% and 80.37% respectively. Contracts for providing Least Assured Depth (LAD) of 3 m and bottom channel width of 45 m on the stretch between Farakka-Kahalgaon, Sultanganj-Mahendrapur and Mahendrapur-Barh have been awarded on 09th April, 2018, 12th April, 2019 and 12th April, 2019 respectively and are currently in progress with financial progress of Rs. 82.92 crore (out of 177 crore), Rs. 28.83 crore (out of 159.30 crore) and Rs. 30.19 crore (out of 182.90 crore) respectively. Dredging Management Plan (DMP) in consultation with Expert Committee including NTCPWC, IIT Madras has been prepared and approved by IWAI Board for implementation.

(ii) Jal Marg Vikas Project (JMVP)- Phase-II:

Further, the program objectives of "Arth Ganga" as announced by Hon'ble Prime Minister have been aligned with the project development objectives of JMVP Phase-II. This program includes development of floating community jetties, Ro-Ro and Ro-Pax jetties, modernization of existing navigation lock at Farakka, river cruise & passenger ferry terminals including their road linkages along the NW-1 with a total estimated cost of Rs. 746 crore. The program also aims at enhancing connectivity between local communities/ stakeholders and their small/ micro business located along the banks on NW-1 to the nearest urban and market centers through NW-1 with an overall objective of socio – economic development of the region. Institutional and sectoral capacity enhancement is also part of Arth Ganga program.

2. Development of the North East Region through waterway connectivity:

(i) Status of the IWT projects for connectivity to NER from 2014 :

Sl. No.	Name of Project	Status
A	Brahmaputra River (NW-2)	
1	Annual Fairway	This work includes regular annual activities such as Hydrographic

	Development and Maintenance Work	Survey, Bandalling, dredging, operation, management and manning of vessels already deployed on NW-2 on yearly basis.
2	O & M of Navigation aids	The Operation & Maintenance of day navigational aids, night navigational aids and Differential Global Positioning System (DGPS) stations which have already been established is taken up as regular annual activities.
3	O & M of Terminals	Two permanent and 11 floating terminals were constructed as per details mentioned below: <u>Permanent Terminals:</u> (i) Pandu, and (ii) Dhubri <u>Floating Terminals:</u> (i) Hatsingimari (ii) Dhubri (iii) Jogighopa, (iv) Tezpur (v) Silghat (vi) Biswanathghat (vii) Neamati (viii) Sengajan (ix) Bogibeel (x) Dibrugarh/ Oakland, and (xi) Oriumghat.
4	Acquisition of four Ro-PAX vessels (200 passengers, 2 trucks and 4 cars)	Vessels have been handed over to Govt. of Assam and inaugurated by Hon'ble Prime Minister in February, 2021.
5	Construction of ship repair facility (Slipway) at Pandu.	For development of a ship repair facility through PPP mode, no tangible progress has been made. Cochin Shipyard Limited (CSL) has been requested to take up the work.

B: Barak river (NW-16)

1	Dredging & providing fairway maintenance for a least available depth of 2 m along with navigational aids between Sridharpur (95 km) to Bhanga (121 km) – Stretch C	Development at a cost of Rs. 76.01 crore for Phase-1 of NW-16 from Silchar to Bhanga has been commenced. This includes maintenance dredging (completed as per requirement), upgradation of terminals at Badarpur and Karimganj. Waterway is operational with limited infrastructure facility.
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C. Indo-Bangladesh Protocol (IBP) Route :

Dredging for the development of fairway from Sirajganj to Daikhowa (175 km) and Ashuganj to Zakiganj (295 km) on Indo-Bangladesh Protocol route has commenced for providing 2.5 m depth & 30 m wide navigational channel as per Memorandum of Understanding (MoU) signed on 08th April, 2017 between Govt. of India and Bangladesh for 07 years at cost sharing of 80:20. The dredging has commenced from March, 2019 in Ashuganj-Zakiganj stretch with 40.33% upto January, 2021 and April, 2019 in Sirajganj-Daikhowa stretch with 66.65% upto January, 2021.

➤ Fairway development works in Vijayawada-Muktyala stretch of river Krishna in Andhra Pradesh (Part of NW-4) under Phase-I has been completed. Fabrication of three floating pontoons also completed and land acquisition taken up for fixed terminals (4 nos.) at Ibrahimpatnam, Harischandrapuram, Muktyala and Madipadu through Andhra Pradesh State Govt.