

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA

UNSTARRED QUESTION NO. 4944
TO BE ANSWERED ON 25TH MARCH, 2021

INTER-STATE RIVER WATERWAYS

4944. SHRI PRATAPRAO PATIL CHIKHLIKAR:

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

पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) whether the Government has formulated a scheme regarding inter-State river waterways;
- (b) if so, the details thereof;
- (c) whether the Government has invited domestic and foreign investment for development of river routes of Ganga/ Yamuna and their tributaries; and
- (d) if so, the details thereof?

ANSWER

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

(a) & (b) To promote Inland Water Transport in the country, 111 waterways have been declared as National Waterways (NWs) under the National Waterways Act, 2016 spread over 24 States in the country 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 and river waterways tourism purpose. The list of the 23 NWs viable for cargo movement is at **Annex-1**. Out of these, developmental activities have been taken up in 13 NWs. Some of these NWs viz. NW-1, NW-4, NW-5, NW-73, NW-100 pass through more than one state.

(c) & (d) With the technical and financial assistance of the World Bank, Jal Marg Vikas Project (JMVP) has been taken up 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 for large barge movement. Details of JMVP with status as on 28.02.2021 is at **Annex.2**.

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-Paradip 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: 11.5 km	
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	Work to be taken subsequent to SFC/ EFC approval.
16	National Waterway 52	53	Kali River	Karnataka	

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES	Status
17	National Waterway 57	50	Kopili River	Assam	
18	National Waterway 73	226	Narmada River	Maharashtra & Gujarat	
19	National Waterway 83	31	Rajpuri Creek	Maharashtra	Substantial cargo moves in tidal waters/ river mouth under respective State Maritime Board. No interventions are contemplated by IWAI as of now.
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	

Major Projects of IWAI: Jal Marg Vikas Project (NW-1) Project.

Status of implementation as on 28.02.2021.

1. Jal Marg Vikas Project (JMVP) on National Waterway-1 (NW-1) from Haldia to Varanasi (1390 km) was approved by the CCEA on 03rd January, 2018 at a cost of Rs. 5369.18 crore. The loan agreement with the World Bank was signed on 02nd February, 2018.
2. The estimated cost of JMVP of Rs. 5369.18 crore (US\$ 800.00 million) is to be utilized as per the following funding pattern:
 - (i) IBRD Loan- Rs.2,512.00 crore (US \$ 375.00 million);
 - (ii) Government of India Counterpart Funds (budgetary allocation and proceeds from issue of infrastructure bonds: Rs.2,556.00 crore (US \$ 380.00 million); and
 - (iii) Private sector participation under PPP mode: Rs. 301.00 crore (US \$ 45.00 million).
3. Detailed Feasibility; Environmental & Social Impact Assessment; and Market Development Strategy Studies were carried out on NW-1 in February 2017, December, 2016 & November, 2017 to determine the development strategy on NW-1. Further, the detailed engineering for key infrastructure projects such as Varanasi MMT, Haldia MMT, Sahibganj MMT & Farakka Lock were prepared by the Engineering Consultant subsequently.
4. The following mandatory clearances were obtained in connection with the implementation of JMVP:
 - (i) Clearance under the Wildlife Protection Act, 1972 for passage of vessels through the Kashi Turtle Sanctuary, Varanasi on 12th June, 2017.
 - (ii) Coastal Regulation Zone clearance for the Haldia multimodal terminal on 06th November, 2017.
 - (iii) Clearances from the Ministry of WR, RD & GR and NGRBA for the new navigation lock at Farakka on 28th February, 2016.
 - (iv) MoEF&CC confirmed that inland waterways, terminals, jetties etc. are not covered under EIA Notification, 2006 requiring prior environmental clearance on 21st December, 2017.
5. Consequent to the review held on 10.06.2020 through teleconferencing by Ministry of Ports, Shipping & Waterways under the chair of Secretary (Shipping) with the IWAI, the estimated cost JMVP was revised to Rs. 4,633.81 crore from the original estimated cost of Rs. 5,369.18 crore approved by the CCEA on 03.01.2018, thereby effecting a saving of Rs. 735.51 crore (USD 109.78 million) in the project cost. The savings comprise of Rs. 387.10 crore (USD 57.78 million) from the IBRD loan component and Rs. 348.41 crore from the counterpart fund component. The revised cost estimate also includes several activities aligned to the Arth Ganga Concept estimated to cost Rs. 746.00 crore. Consequently, on the request of IWAI/ Ministry of Ports, Shipping & Waterways, Department of Economic Affairs (DEA) has requested the World Bank on 17.06.2020 for

cancellation of USD 57.78 million from the overall IBRD loan for the JMVP. As a result, the IBRD loan component will get reduced to USD 317.22 million.

6. The project implementation is progressing as per time schedule. 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%. Present status of civil works is as under:

- 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 progress with 96.85% and 80.37% respectively.
- Contracts for providing Least Assured Depth 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, Rs. 28.83 crore and Rs. 30.19 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.
- Tender process for the remaining civil construction works of the project has been initiated.
