

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS  
RAJYA SABHA  
STARRED QUESTION NO- \*143  
ANSWERED ON- 02/08/2021

**DEVELOPMENT OF WATERWAYS**

\*143. SMT. PRIYANKA CHATURVEDI:

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

- (a) whether Government is working on several projects to develop waterways;
- (b) if so, the number of projects which have been completed during the last three years and the number of projects which are still in progress; and
- (c) whether the Ganga water route from Haridwar to the Bay of Bengal is included in these projects?

**ANSWER**

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

(a) to (c) A statement is laid on the Table of the House.

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (c) OF RAJYA SABHA  
STARRED QUESTION NO.\*143 FOR 02.08.2021 RAISED BY SHRIMATI  
PRIYANKA CHATURVEDI, HON'BLE M.P. ON "DEVELOPMENT OF  
WATERWAYS"**

(a) & (b) Yes, Sir. To Promote Inland Water Transport (IWT) in the country, 111 waterways have been declared as National Waterways (NWs) under the National Waterways Act, 2016 which came into effect from 12<sup>th</sup> April, 2016. Based on the outcome of techno-economic feasibility of NWs, 23 NWs have been found viable for cargo and passenger movement by Inland Waterways Authority of India (IWAI). Out of these, developmental activities have been taken up in 13 NWs. The status of the 23 NWs viable for cargo and passenger movement is at **Annex-1**.

The details of projects completed/ in progress during last three years is at **Annex-2**.

(c) Only the stretch from Prayagraj (Allahabad) to Haldia (1620 km) of the River Ganga was declared as National Waterway-1 (NW-1) in 1986. This stretch of NW-1 has been taken up for development of IWT infrastructure for the purpose of shipping and navigation.

**LIST OF 23 NATIONAL WATERWAYS FOUND FEASIBLE FOR CARGO & PASSENGER MOVEMENT**

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

**List of National Waterway projects completed / in progress during last three years :****(A) Projects completed during last 3 years-**

Sl. No.	National Waterway (NW)	Details of the Projects completed
1.	National Waterway (NW) -1 (Ganga - Bhagirathi-Hooghly river system from Allahabad to Haldia- 1620 km) in Uttar Pradesh, Bihar, Jharkhand & West Bengal	(i) Multimodal terminal at Varanasi, UP- Phase-I completed. (ii) Multi modal terminal at Sahibganj Phase-I completed (iii) Annual works for fairway development (Bandalling, Channel Marking, Hydrographic Surveys and maintenance dredging), maintenance of terminals completed each year to maintain least available depth of 1.5 m to 3.0 m in the stretch. (iv) Day navigational aids, night navigational aids and DGPS stations.
2.	NW – 2 (River Brahmaputra from Dhubri to Sadiya- 891 km) in Assam;	(i) This work includes regular annual activities such as Hydrographic Survey, Bandalling, dredging, operation & management and manning of vessels already deployed on NW2 is being carried out on yearly basis. (ii) Day navigational aids, night navigational aids and DGPS stations. (iii) Construction of permanent terminal at Dhubri.
3.	NW -3 (West Coast Canal from Kottapuram to Kollam along with Udyogmandal and Champakara Canals- 205 km) in Kerala	1. Channel developmental works that includes dredging for providing fairway of 2.20m LAD, channel width of 38 / 32m, 24 hours navigational facilities and terminal facilities equipped with mechanical cargo handling equipment. 2. constructions of Allapuzha Terminal.
4.	Development works in Vijayawada – Muktyala stretch of river Krishna in Andhra Pradesh (Part of NW-4) under Phase – I.	Fairway development works in Vijayawada – Muktyala stretch of river Krishna in Andhra Pradesh (Part of NW-4) under Phase – I and establishment of 3 nos. floating terminals.
5.	Development of river Barak (NW-16) between Ujjainigram (73km) & Sridharpur (95km) – <b>Stretch B</b> and between Sridharpur (95 km) & Bhanga (121km) – <b>Stretch C</b>	Dredging & providing fairway maintenance for a least available depth of 2m along with navigational aids between Sridharpur and Bhanga is completed.

**(B) Ongoing Projects on National Waterways -**

Sl. No.	National Waterway (NW)	Details of the Projects ongoing
1.	National Waterway (NW) -1 (Ganga - Bhagirathi-Hooghly river system from Allahabad to Haldia- 1620 km) in Uttar Pradesh, Bihar, Jharkhand & West Bengal	(i) Multimodal terminal at Haldia, West Bengal (ii) Construction of New Navigational Lock at Farakka (iii) Fairway development with Least Assured Depth in NW-1:-Farakka-Kahalgaon stretch (146 Kms), Sultanganj-Mahendrapur stretch (74 kms) and Mahendrapur-Barh stretch (71 kms) through Performance Based Assured Dredging contracts. (iv) Ro-Ro terminals : Rajmahal (Jharkhand) – Manikchak (West Bengal), Samdaghat (Jharkhand) – Manihari (Bihar), Bakhtiyarpur (Bihar) – Mahnar (Hasanpur) (Bihar), Kahalgaon (Bihar) – Tintanga (Bihar), Buxar (Bihar)- Sarai Kota (Uttar Pradesh).
2.	NW – 2 (River Brahmaputra from Dhubri to Sadiya- 891 km) in Assam;	Cargo / Ro-Ro terminals at Dhubri&Hatsinghimari Slipway at Pandu Maintenance of Least available depth of 2.5 m, 2.0 m & 1.5 m
3.	NW -3 (West Coast Canal from Kottapuram to Kollam along with Udyogmandal and Champakara Canals- 205 km) in Kerala	(i) Reconstruction of one lock gate at Trikkunnappzha (ii) Construction of road over bridge at Kovilthottam
4.	Development works in Vijayawada – Muktyala stretch of river Krishna in Andhra Pradesh (Part of NW-4) under Phase – I.	(i) Land acquisition for fixed Ro-Ro terminals (3 nos.) at Ibrahimpatnam, Harischandrapuram, andMuktryala. (ii) Establishment of one more floating terminal (in addition to 3 floating terminals).
5.	Development of river Barak (NW-16) between Ujjainigram (73km) &Sridharpur (95km) – <b>Stretch B</b> and between Sridharpur (95 km) &Bhanga (121km) – <b>Stretch C</b>	(i) Terminal at Karimganj. (ii) Terminal at Badrpur

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