

GOVERNMENT OF INDIA  
MINISTRY OF PORTS, SHIPPING AND WATERWAYS  
LOK SABHA  
UNSTARRED QUESTION NO. 1759  
ANSWERED ON 16/12/2022

**SCHEME TO PROMOTE WATERWAYS**

1759. SHRI PARTHIBAN S.R.:

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

**पत्तन, पोत परिवहन और जलमार्ग मंत्री**

- (a) whether the Government has implemented any scheme to promote waterways during the last three years;
- (b) if so, the funds allocated and spent by Government for the said scheme;
- (c) the details of National Waterways proposed to be developed by Government;
- (d) the steps being taken by Government to augment the capacity of the waterways; and
- (e) the details of work initiated on National Waterways considering that 25 National Waterways have been identified by Inland Waterways Authority of India?

**ANSWER**

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

(a) to (c) To promote Inland Water Transport in the country, 111 Inland Waterways (Including 5 existing and 106 new) spread over 24 states have been declared as National Waterways vide National Waterways Act, 2016. Action plan has been formulated for development of shipping & navigation for 26 viable National Waterways (NWs) based upon the outcome of study reports completed for the National Waterways as detailed at **Annex.-1**. Projects worth Rs. 5520 Crore have been approved for development of these National Waterways.

(d) & (e) For capacity augmentation of NWs, works have been initiated on 14 NWs, details of which is at **Annex.-2**.

**LIST OF 26 NATIONAL WATERWAYS (NWs)  
FOUND FEASIBLE FOR CARGO / PASSENGER MOVEMENT**

Sl. No	NW	Details of Waterways	Length (Km)	STATES	Status
1	NW 1	Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)	1620	Uttar Pradesh, Bihar, Jharkhand & West Bengal	Development taken up with Assistance from World Bank <b>JalMargVikas Project</b>
2	NW 2	Brahmaputra River (Dhubri - Sadiya)	891	Assam	Development taken up as per approved SFC for FY 2020-21 to 2024-25
3	NW 16	Barak River (Lakhipur -Tuker Gram)	121	Assam	
4	NW 3	West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals	205	Kerala	
5	NW 4	Krishna River (Vijayawada - Muktyala)	82	Andhra Pradesh	Mostly Operational Waterways and development and maintenance work taken up.
6	NW 5	Dhamra-Paradip via Mangalagadi to Pankopal	233	Odisha	
7	NW 8	Alappuzha- Changanassery Canal	29	Kerala	
8	NW 9	Alappuzha - Kottayam - Athirampuzha Canal	40	Kerala (Alternate route: 11.5km)	
9	NW 27	Cumberjua River (Cortalim-Ferry to Sao MartiasVidhanParisad)	17	Goa	
10	NW 68	Mandovi River (Usgoan bridge to Arabian Sea)	41	Goa	
11	NW 86	Rupnarayan River (PratapPur to Geonkhali)	72	West Bengal	
12	NW 97	Sunderbans Waterway (Namkhana to AtharaBankiKhal)	172	West Bengal	
13	NW 111	Zuari River (Sanvorden bridge to Marmugao Port)	50	Goa	
14	NW 40	Ghagra River (Faizabad to ManjhiGhat)	345	Bihar & U.P.	
15	NW 10	Amba River (Arabian Sea, Dharamtaar Creek to Nagothane ST Stand)	45	Maharashtra	Development work (Phase-I) approved by Delegated
16	NW 44	Ichamati River (Bridge at Gobra to	63	West	

		Bansjhari near Bangladesh Border)		Bengal	Invest Board
17	NW 52	Kali River (Kodasalli Dam to Sadashivgad Bridge, Arabian Sea)	53	Karnataka	
18	NW 57	Kopili River (BanthaiGaonTinali Bus Stop to Chandrapur No.2 confluence with Brahmaputra)	50	Assam	
19	NW 25	Chapora River (Bridge near Maneri village to Morjim, Arabian Sea)	25	Goa	
20	NW 37	Gandak River (Bhaisalotal Barrage to Hazipur)	296	Bihar & U.P.	
21	NW 28	Dabhol Creek Vasisti River (Arabian Sea at Dabhol to Bridge at Pedhe)	45	Maharashtra	
22	NW 73	Narmada River (Pandhariya to Gulf of Khambhat)	226	Maharashtra & Gujarat	
23	NW 85	Revadanda Creek - Kundalika River System (Arabian Sea at Revadanda to Bridge near Roha Nagar)	31	Maharashtra	
24	NW 94	Sone River (Sone Barrage, Dehri to Confluence with the Ganga)	141	Bihar	
25	NW 100	Tapi River (Hatnur Dam to Gulf of Khambhat)	436	Maharashtra & Gujarat	
26	NW 31	Dhansiri River (Morongi T.E. village Bridge to Numaligarh)	110	Assam	

Details of works taken up on NWS-

Sr. No.	Works on NWS
1	<p>JalMargVikas Project (JMVP) on NW-1 (Varanasi-Haldia stretch, 1390 km)</p> <p>MMT Varanasi (Uttar Pradesh)</p> <p>MMT Sahibganj (Jharkhand)</p> <p>MMT Haldia (West Bengal)</p> <p>New Navigational Lock Gate at Farakka (West Bengal)</p> <p>IMT Kalughat (Bihar)</p> <p>Development of Community Jetties</p> <p>Fairway Development</p>
2	<p><b>National Waterway (NW)-2:</b></p> <p>Following activities have been taken up on NW-2:</p> <ul style="list-style-type: none"><li>i. Fairway Development for NW-2</li><li>ii. Fairway Development for Dredging on Ro-Ro routes of NW-2</li><li>iii. O&amp;M of existing terminals (fixed and floating)</li><li>iv. Jogighopa Terminal</li><li>v. Construction of Cargo cum passenger terminal at Bogibeel, Dibrugarh (New Component)</li><li>vi. License fees for B.G. siding</li><li>vii. Boundary walls at IWAI parcels of land at Pandu, Neamati and Nagaghuli</li><li>viii. Improvement of existing approach road including study &amp; land acquisition for Dhubri Terminal</li><li>ix. Connectivity and widening of road from Pandu to NH including land acquisition</li><li>x. O&amp;M of Navigational Aids</li><li>xi. Extension of navigational Aids up to Dibrugarh</li><li>xii. O&amp;M of DGPS stations/RIS</li><li>xiii. Development of Ship Repair facility at Pandu</li><li>xiv. Vessels Maintenance</li><li>xv. Vessels/dredgers Operation including Dry docking repairs.</li><li>xvi. Consultancy, training &amp; capacity building, periodical evaluation, Miscellaneous items and contingencies (NER)</li><li>xvii. Development and maintenance of e-portal for NER</li><li>xviii. Amenities at Ports of Call (NW-2)</li></ul>

<b>3</b>	<b>National Waterway (NW)-16 &amp; IBP route:</b>  Following activities taken up on NW-16 & IBP route:  <ol style="list-style-type: none"><li>i. Construction of Terminal at Sonamura on Gumti river,</li><li>ii. Construction of terminal at Maia on Ganga River and</li><li>iii. Upgradation of Badarpur and Karimganj terminals, which are in consideration.</li><li>iv. Fairway development</li><li>v. O&amp;M of navigational aids</li><li>vi. Consultancy training</li><li>vii. Cargo promotion, and</li><li>viii. Amenities at Ports of Call etc.</li></ol>
<b>4</b>	<b>National Waterway (NW)-3 (West Coast Canal, Champakara &amp; Udyogmandal Canals):</b>  <ul style="list-style-type: none"><li>• Channel development works in NW-3 for providing fairway for 24 hours navigational and terminal facilities</li><li>• Construction of 09 permanent terminals at Kottapuram, Aluva, Maradu, Vaikom, Thanneermukkom (Cherthala), Alappuzha, Kayamkulam, Thrikkunnapuzha and Kollam</li><li>• Construction of new Navigational Lock at Thrikkunnapuzha</li><li>• Construction of Road over Bridge at Kovilthottam. NW-3 is fully navigable.</li></ul>
<b>5</b>	<b>National Waterway (NW)-4 (Krishna River (Vijayawada – Muktyala)):</b> Projects completed so far include fairway development works in the Vijayawada-Muktyala stretch of river Krishna, fabrication / installation of four floating pontoons and land acquisition for the RO-RO terminal at Harshchandrapuram.  Land acquisition for the RO-RO terminals at Ibrahimpatnam and Muktyala has been initiated with the State Govt. of Andhra Pradesh

6	<p><b>National Waterway(NW)-5</b> (Pankapal - Dhamra Port – Mangalgadi– Paradip Port):</p> <ul style="list-style-type: none"> <li>i. Monthly Longitudinal Thalweg Survey for assessing depth and horizontal / vertical clearance for cross structures / bridges (212 km).</li> <li>ii. Consultancy / Work has been initiated / completed for preparation of Detailed Project Report (DPR) followed by Front End Engineering Design (FEED) for hydraulic interventions, modification of cross structures for navigational clearances. Environmental clearance (EIA &amp; EMP) including CRZ and Wildlife Clearance - MoEF&amp;CC informed on 05th Jan, 2021 that no EC is required. Only CRZ &amp; Wild life clearances are to be obtained from Govt. of Odisha.</li> </ul> <ul style="list-style-type: none"> <li>• Navigational clearance below existing power lines from Dhamra / Paradip to Pankapal on deposit basis through Govt. of Odisha is nearing completion.</li> <li>• Under New initiative movement of Gypsum started from IFFCO Riverine Jetty on NW-64 (Mahanadi) to Paradip Port (NW-5). Nearly 1,55,181 MT have been shipped till 31st October 2022. This will clear the huge accumulation of (approx. 52 million MT) gypsum at the IFFCO plant. MoU signed between IWAI and UltraTech cement for transport of the gypsum to its plants around Hooghly-Ganga River systems in West Bengal and Bihar.</li> <li>• An Eol has been published for development of the waterway transport on rivers Brahmani (NW-5) and Mahanadi (NW-64) under PPP (Design, Built, Finance, Operate&amp; Transfer - DBFOT model) for connecting Ports of Paradip and Dhamra to Kalingnagar - Talcher mining and industrial areas.</li> </ul>	
7	<p><b>National Waterway(NW)-8</b> (Alappuzha- Changanassery Canal): Development proposed as per DPR recommendations. 24 hours navigational aids (15 nos.) provided at critical locations and being maintained.</p>	
8	<p><b>National Waterway(NW)-9</b> (Alappuzha -Kottayam – Athirampuzha Canal): Development of the waterway at an estimated cost of INR 1.60 crore has commenced in 2017-18. Night navigation facilities (25 nos.) have been installed and maintained.</p>	
9	<p><b>National Waterway(NW)-27</b> Cumberjua River:</p>	<p>NWs of Goa are operational under a Tripartite MoU with Govt. of Goa, Mormugao Port Authority &amp; IWAI. Development of NWs in Goa at an estimated cost of INR 22.65 crore has commenced. Work for installation of 04 nos. floating Jetties amounting to Rs.11.33 crores on river Mandovi and river Chapora taken up. In addition, a fund of Rs 6.84 Crore has been released to Mormugao Port Authority on 02.04.2022 for induction of navigational Aids. A provision of Rs. 15 cr. has been made till 2023-24.</p>
10	<p><b>National Waterway(NW)-68</b> Mandovi River:</p>	
11	<p><b>National Waterway(NW)-111</b> Zuari River:</p>	
12	<p><b>National Waterway(NW)-40</b> (River Ghagra -Ayodhya to Ghaghra-Ganga</p>	

	<p>Confluence):</p> <p>An amount of Rs. 11.60 cr. has been approved for fairway development by bandalling and day channel marking, creation of floating terminals and monthly surveys.</p> <p>Scheme at a cost of Rs. 4.46 cr. has been sanctioned during 2021-22 for development under Phase-I of the waterway.</p>
<b>13</b>	<p><b>National Waterway(NW)-86</b> (Rupnarayan River (PratapPur to Geonkhali) in West Bengal):</p> <p>Development of the waterway at an estimated cost of INR 24.00 crore has commenced. Improvement to road from NH to water front terminal at Kolaghat at a cost of Rs.15.45 crore is being executed by Irrigation Dept., Govt. of West Bengal on deposit basis. Floating pontoon jetty is under construction for facilitating loading and unloading of fly-ash cargo. Permanent terminal is also proposed at Kolaghat for which land acquisition completed in June 2022 and development is considered through annual scheme.</p>
<b>14</b>	<p><b>National Waterway(NW)-97</b> (Sunderbans Waterway (Namkhana to AtharaBankiKhal) in West Bengal):</p> <p>Development of waterway at an estimated cost of INR 18.10 crore has commenced. Navigational marks/buoys have been provided and maintained. Waterway is part of Indo-Bangladesh Protocol route and already operational for vessels.</p>

\*\*\*\*\*