

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA
STARRED QUESTION NO- *247
ANSWERED ON 17/03/2023

DEVELOPMENT OF RIVERS

*247. SHRI GOPAL CHINNAYA SHETTY:

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

- (a) whether any progress has been reported in development of any of the 111 rivers proposed for nationalization by the Government;
- (b) if so, the details thereof along with the names of the rivers which have been selected for development; and
- (c) the works proposed or carried out for the development of the said rivers and the objections raised regarding nationalization of the said rivers?

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 part (a) to (c) of Lok Sabha
Starred Question No. 247* for 17.03.2023 raised by Shri Gopal
Chinnaya Shetty, Hon'ble M.P. on "Development of Rivers"

(a) & (b) To promote Inland Water Transport in the country through rivers, 111 waterways including the 5 previously notified National Waterways (NWs) have been declared as National Waterways under the National Waterways Act, 2016. List of 111 National Waterways is at **Annexure I**. On the basis of outcome of techno-economic feasibility study and Detailed Project Report (DPR) of these NWs, action plan has been formulated for 26 NWs which were found viable for cargo and passenger movement. List of 26 NWs selected for development is at **Annexure II**.

(c) The works taken up for development on the 18 National Waterways is at **Annexure III**.

During the formulation of National Waterways Bill, 2015, all the 24 State Governments were requested to provide a list of all State Waterways and give their consent for declaration as National Waterways. Accordingly, after due diligence, 111 waterways, were declared as National Waterways vide National Waterways Act, 2016.

Annexure I**List of 111 National Waterways declared vide National Waterways Act, 2016**

Sr. No.	NW No.	Length (km)	Details of Waterways	STATES
1	NW 1	1620	Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)	Uttar Pradesh, Bihar, Jharkhand & West Bengal
2	NW 2	891	Brahmaputra River (Dhubri - Sadiya)	Assam
3	NW 3	205	West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals	Kerala
		169.794	West Coast Canal (Kottapuram - Kozhikode)	
4	NW 4	50	Kakinada Canal (Kakinada to Rajahmundry)	Andhra Pradesh, Telangana, Karnataka, Tamil Nadu, Pondichery, Chhatisgarh and Maharashtra
		171	Godavari river (Bhadrachalam to Rajahmundry)	
		139	Eluru Canal (Rajahmundry to Vijayawada)	
		157	Krishna river (Wazirabad to Vijayawada)	
		113	Commamur Canal (Vijayawada to Peddaganjam)	
		316	North Buckingham Canal (Peddaganjam to Central Station of Chennai)	
		110	South Buckingham canal (Central Station of Chennai to Marakanam)	
		22	Marakanam to Puducherry through Kaluvelly tank	
		1201.6	River Godavari (Bhadrachalam - Nashik) Maharashtra (736.1km), Telangana (528km), Andhra Pradesh (6km) & Chhattisgarh (20km) (20km common in Tel-Chhattisgarh, 6 km in Telangana-A.P. and 62.5km in Tel-Mah)	
		636.2	River Krishna (Wazirabad - Galagali) Karnataka (297.8km),	

			Telangana (375.7km) & Andhra Pradesh (247km) (247km common in AP-Tel and 37.3km in Tel-Karn)	
5	NW 5	256.0	East Coast Canal	Odisha and West Bengal
			Matai river	
		265	Brahmani-Kharsua-Dhamra rivers	
		67	Mahanadi delta rivers (Consisting of Hansua river, Nunanala, Gobrinala, Kharnasi river and Mahanadi river)	
6	NW 6	68.484	Aai River	Assam
7	NW 7	89.573	Ajoy (Ajay) River	West Bengal
8	NW 8	29.3	Alappuzha- Changanassery Canal	Kerala
9	NW 9	40.2	Alappuzha- Kottayam – Athirampuzha Canal	Kerala Alternate route: 11.5km
10	NW 10	44.971	Amba River	Maharashtra
11	NW 11	98.9	Arunawati - Aran River System	Maharashtra
12	NW 12	5.5	Asi River	Uttar Pradesh
13	NW 13	11.3	Avm Canal	Kerala (2.8km) & Tamil Nadu (8.5km)
14	NW 14	48.477	Baitarni River	Odisha
15	NW 15	135.165	Bakreswar - Mayurakshi River System	West Bengal
16	NW 16	121	Barak River	Assam
17	NW 17	189	Beas River	Himachal Pradesh (40.36km) & Punjab (153.5km) (4.86km common)
18	NW 18	68.9	Beki River	Assam
19	NW 19	67.05	Betwa River	Uttar Pradesh
20	NW 20	94.65	Bhavani River	Tamil Nadu
21	NW 21	138.9	Bheema River	Karnataka (138.9km) & Telangana (8.66km) (8.66km common)
22	NW 22	155.564	Birupa - BadiGenguti - Brahmani River System	Odisha
23	NW 23	55.896	BudhaBalanga	Odisha
24	NW 24	60.86	Chambal River	Uttar Pradesh
25	NW 25	33.001	Chapora River	Goa
26	NW 26	51.072	Chenab River	Jammu & Kashmir

27	NW 27	17	Cumberjua River	Goa
28	NW 28	45.228	Dabhol Creek -Vashishti River System	Maharashtra
29	NW 29	132.41	Damodar River	West Bengal
30	NW 30	109.136	Dehing River	Assam
31	NW 31	113.752	Dhansiri / Chathe	Assam
32	NW 32	63.205	Dikhu River	Assam
33	NW 33	61.368	Doyans River	Assam
34	NW 34	136.957	Dvc Canal	West Bengal
35	NW 35	107.809	Dwarekeswar River	West Bengal
36	NW 36	119.165	Dwarka River	West Bengal
37	NW 37	295.7	Gandak River	Bihar (255.8km) & Uttar Pradesh (33.68km) and 6.22km in NEPAL
38	NW 38	62	Gangadhar River	Assam (62km) & West Bengal (17.1km) (17.1km common)
39	NW 39	49.143	Ganol River	Assam (31.44km) & Meghalaya (17.56)
40	NW 40	353.6	Ghaghra River	Bihar (90.97km) & Uttar Pradesh (344.83km) (82.2km common)
41	NW 41	111.76	Ghataprabha River	Karnataka
42	NW 42	514.31	Gomti River	Uttar Pradesh
43	NW 43	10.041	Gurupur River	Karnataka
44	NW 44	63.381	Ichamati River	West Bengal
45	NW 45	650.1	Indira Gandhi Canal	Punjab (149.48km), Haryana (19.83km) & Rajasthan (480.69km)
46	NW 46	34.67	Indus River	Jammu & Kashmir
47	NW 47	130.59	Jalangi River	West Bengal
48	NW 48	615.445	Jawai-Luni-Rann of Kutch River System	Gujarat (410.043km) & Rajasthan (205.402km)
49	NW 49	110.27	Jhelum River	Jammu & Kashmir
50	NW 50	42.576	Jinjiram River	Assam (42.576km) & Meghalaya (28.246km) (28.246km common)
51	NW 51	23.171	Kabini River	Karnataka
52	NW 52	53.415	Kali River	Karnataka
53	NW 53	144.64	Kalyan-Thane-Mumbai Waterway, Vasai Creek And Ulhas River System	Maharashtra
54	NW 54	86	Karamnasa River	Bihar (86km) & Uttar

				Pradesh (86km) (86km common)
55	NW 55	310.847	Kaveri - Kollidam River System	Tamil Nadu
56	NW 56	22.104	Kherkai River	Jharkhand
57	NW 57	49.9	Kopili River	Assam
58	NW 58	233.04	Kosi River	Bihar
59	NW 59	18.8	Kottayam-Vaikom Canal	Kerala
60	NW 60	80.446	Kumari River	West Bengal
61	NW 61	27.87	Kynshi River	Meghalaya
62	NW 62	86	Lohit River	Assam (17.89km) & Arunachal Pradesh (68.11km)
63	NW 63	336.35	Luni River	Rajasthan
64	NW 64	426.32	Mahanadi River	Odisha
65	NW 65	80.391	Mahananda River	West Bengal
66	NW 66	246.989	Mahi River	Gujarat
67	NW 67	93.500	Malaprabha River	Karnataka
68	NW 68	41	Mandovi River	Goa
69	NW 69	4.750	Manimutharu River	Tamil Nadu
70	NW 70	245	Manjira River	Maharashtra (35.5km) & Telangana (245km) (35.5km common)
71	NW 71	26.638	Mapusa / Moide River	Goa
72	NW 72	58.7	Nag River	Maharashtra
73	NW 73	226.343	Narmada River	Maharashtra (38.44km) & Gujarat (226km) (38.44km common)
74	NW 74	79.205	Netravathi River	Karnataka
75	NW 75	141.704	Palar River	Tamil Nadu
76	NW 76	23	Panchagangavali (Panchagangoli) River	Karnataka
77	NW 77	19.508	Pazhyar River	Tamil Nadu
78	NW 78	261.51	Penganaga - Wardha River System	Maharashtra (261.51km) & Telangana (116.1km) (116.1km common)
79	NW 79	28.28	Pennar River	Andhra Pradesh
80	NW 80	126.239	Ponniyar River	Tamil Nadu
81	NW 81	34.61	Punpun River	Bihar
82	NW 82	58.234	Puthimari River	Assam
83	NW 83	30.645	Rajpuri Creek	Maharashtra
84	NW 84	44.276	Ravi River	Jammu & Kashmir (24km), Himachal Pradesh (20.267km) & Punjab

				(12km) (12km common in J&K-Pun and 12km in J&K-HP)
85	NW 85	30.736	Revadanda Creek - Kundalika River System	Maharashtra
86	NW 86	72.039	Rupnarayan River	West Bengal
87	NW 87	210.042	Sabarmati River	Gujarat
88	NW 88	14.059	Sal River	Goa
89	NW 89	45.47	Savitri River (Bankot Creek)	Maharashtra
90	NW 90	28.674	Sharavati River	Karnataka
91	NW 91	52.02	Shastri River - Jaigad Creek System	Maharashtra
92	NW 92	25.619	Silabati River	West Bengal
93	NW 93	62.6	Simsang River	Meghalaya
94	NW 94	141	Sone River	Bihar
95	NW 95	106.452	Subansiri River	Assam
96	NW 96	310.932	Subarnrekha River	Jharkhand (150.48km), West Bengal (95.14km) & Odisha (93.52km) (4.95km common in Jhar-WB, 13.06km in WB-Odi and 10.13km in Jhar-Odi)
97	NW 97	172	Sunderbans Waterway	West Bengal
		55.823	Bidya River	West Bengal
		15.207	Chhota Kalagachi (Chhoto Kalergachi) River	West Bengal
		6.711	Gomar River	West Bengal
		15.827	Haribhanga River	West Bengal
		37.202	Hogla (Hogal)-Pathankhali River	West Bengal
		8.513	Kalindi (Kalandi) River	West Bengal
		22.465	Katakhali River	West Bengal
		98.731	Matla River	West Bengal
		28.418	Muri Ganga (Baratala) River	West Bengal
		53.381	Raimangal River	West Bengal
		14.392	Sahibkhali (Sahebkhali) River	West Bengal
		37.163	Saptamukhi River	West Bengal
		63.865	Thakurran River	West Bengal
98	NW 98	377	Sutlej River	Himachal Pradesh (129.42km) & Punjab (247.58km)
99	NW 99	62.41	Tamaraparani River	Tamil Nadu
100	NW 100	436.244	Tapi River	Maharashtra (203.94km) &

				Gujarat (232.06km)
101	NW 101	42	Tizu - Zungki Rivers	Nagaland
102	NW 102	87.136	Tlwan (Dhaleswari River)	Assam (23.68km) & Mizoram (65.506km) (2.05km common)
103	NW 103	73.25	Tons River	Uttar Pradesh
104	NW 104	232.4	Tungabhadra River	Karnataka(134.9km), Telangana (97.5km) & Andhra Pradesh (158.4km) (60.9km common in AP-Karn. and 97.5km in AP-Telg)
105	NW 105	15.211	Udayavara River	Karnataka
106	NW 106	20.05	Umngot (Dawki) River	Meghalaya
107	NW 107	45.6	Vaigai River	Tamil Nadu
108	NW 108	52.83	Varuna River	Uttar Pradesh
109	NW 109	165.78	Wainganga - Pranahita River System	Maharashtra (165.78km) & Telangana (114km) (114km common)
110	NW 110	1081	Yamuna River	Delhi (33.6km), Haryana (100.63km) & Uttar Pradesh (1016.092km) (5.27km common in Del-UP and 65.36km in Har-UP)
111	NW 111	50	Zuari River	Goa
		20186.65		

Annexure. II**LIST OF 26 NATIONAL WATERWAYS (NWs) FOUND FEASIBLE FOR CARGO AND PASSENGER MOVEMENT & SELECTED FOR DEVELOPMENT**

Sl. No	NW	Details of Waterways	Length (Km)	STATES
1	NW 1	Ganga-Bhagirathi-Hooghly River System (Haldia – Allahabad)	1620	Uttar Pradesh, Bihar, Jharkhand & West Bengal
2	NW 2	Brahmaputra River (Dhubri – Sadiya)	891	Assam
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
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 111	Zuari River (Sanvorden bridge to Marmugao Port)	50	Goa
12	NW 86	Rupnarayan River (PratapPur to Geonkhali)	72	West Bengal
13	NW 97	Sunderbans Waterway (Namkhana to AtharaBankiKhal)	172	West Bengal
14	NW 40	Ghagra River (Faizabad to ManjhiGhat)	345	Bihar & U.P.
15	NW 52	Kali River (Kodasalli Dam to Sadashivgad Bridge, Arabian Sea)	53	Karnataka
16	NW 44	Ichamati River (Bridge at Gobra to Bansjhari near Bangladesh Border)	63	West Bengal
17	NW 57	Kopili River (BanthaiGaonTinali Bus Stop to Chandrapur No.2 confluence with Brahmaputra)	50	Assam
18	NW 31	Dhansiri River (Morongi T.E.	110	Assam

		village Bridge to Numaligarh)		
19	NW 10	Amba River (Arabian Sea, Dharamtaar Creek to Nagothane ST Stand)	45	Maharashtra
20	NW 28	Dabhol Creek Vasisti River (Arabian Sea at Dabhol to Bridge at Pedhe)	45	Maharashtra
21	NW 25	Chapora River (Bridge near Maneri village to Morjim, Arabian Sea)	25	Goa
22	NW 37	Gandak River (Bhaisalotal Barrage to Hazipur)	296	Bihar & U.P.
23	NW 73	Narmada River (Pandhariya to Gulf of Khambhat)	226	Maharashtra & Gujarat
24	NW 85	Revadanda Creek – Kundalika River System (Arabian Sea at Revadanda to Bridge near Roha Nagar)	31	Maharashtra
25	NW 94	Sone River (Sone Barrage, Dehri to Confluence with the Ganga)	141	Bihar
26	NW 100	Tapi River (Hatnur Dam to Gulf of Khambhat)	436	Maharashtra & Gujarat

Annexure-III**Development works taken up by Inland Waterways Authority of India (IWAI) on National Waterways (NWs)**

Sr. No.	Works on NWs													
1	<p>Jal MargVikas Project (JMVP) on NW-1 (Varanasi-Haldia stretch, 1390 km) at the cost of Rs. 5369.18 Cr. approved by Cabinet Committee on Economic Affairs (CCEA) on 03.01.2018. Major Components are:</p> <table><tr><td>Sub Project with States</td></tr><tr><td>MMT Varanasi (Uttar Pradesh)</td></tr><tr><td>MMT Sahibganj (Jharkhand)</td></tr><tr><td>MMT Haldia (West Bengal)</td></tr><tr><td>New Navigational Lock Gate at Farakka (West Bengal)</td></tr><tr><td>IMT Kalughat (Bihar)</td></tr><tr><td>Development of Community Jetty in Uttar Pradesh</td></tr><tr><td>Fairway Development</td></tr><tr><td>Farakka – Kahalgaon stretch (146 Km) – (W.B., Jharkhand & Bihar)</td></tr><tr><td>Sultanganj – Mahenderpur stretch (74km)- (Bihar)</td></tr><tr><td>Mahenderpur – Barh stretch (71 Km)- (Bihar)</td></tr><tr><td>Channel Stabilization Works at 7 locations (JMVP-II)-(U.P.)</td></tr><tr><td>Tendering process for development of fairway for the remaining stretches initiated (W.B., Bihar & U.P.).</td></tr></table> <p>Arth Ganga (JMVP-II) has been conceptualised to energize socio-economic-development along the banks of National Waterway-1 including river Hooghly. Project implementation under JMVP-II may play a vital role in improving the livelihoods of communities living along the river with an aim to integrate people's participation and economic development with Ganga rejuvenation. This programme under JMVP-II will provide simple logistics solutions for small farmers, fishery units, unorganized farm producing units, horticulturists, florists and artisans to reach the nearest market place, which would steer a massive economic revolution in the region generating substantial employment.</p> <p>Sub-Projects status under JMVP-II is as under:</p> <ul style="list-style-type: none">• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – I (Uttar Pradesh)• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – II (Bihar & Jharkhand)• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – III (West Bengal)• Construction of 5 pairs of Ro-Ro terminals-	Sub Project with States	MMT Varanasi (Uttar Pradesh)	MMT Sahibganj (Jharkhand)	MMT Haldia (West Bengal)	New Navigational Lock Gate at Farakka (West Bengal)	IMT Kalughat (Bihar)	Development of Community Jetty in Uttar Pradesh	Fairway Development	Farakka – Kahalgaon stretch (146 Km) – (W.B., Jharkhand & Bihar)	Sultanganj – Mahenderpur stretch (74km)- (Bihar)	Mahenderpur – Barh stretch (71 Km)- (Bihar)	Channel Stabilization Works at 7 locations (JMVP-II)-(U.P.)	Tendering process for development of fairway for the remaining stretches initiated (W.B., Bihar & U.P.).
Sub Project with States														
MMT Varanasi (Uttar Pradesh)														
MMT Sahibganj (Jharkhand)														
MMT Haldia (West Bengal)														
New Navigational Lock Gate at Farakka (West Bengal)														
IMT Kalughat (Bihar)														
Development of Community Jetty in Uttar Pradesh														
Fairway Development														
Farakka – Kahalgaon stretch (146 Km) – (W.B., Jharkhand & Bihar)														
Sultanganj – Mahenderpur stretch (74km)- (Bihar)														
Mahenderpur – Barh stretch (71 Km)- (Bihar)														
Channel Stabilization Works at 7 locations (JMVP-II)-(U.P.)														
Tendering process for development of fairway for the remaining stretches initiated (W.B., Bihar & U.P.).														

	<p>NIT issuance by June 2023</p> <ul style="list-style-type: none"> Supply of FRP (12 nos.) and Inspection Boats (04 nos.)- FRP boats (12 Nos.) O&M and CAMC of River Information Systems (RIS) System in Sagar-Farakka stretch at a cost of Rs. 10.92 cr. awarded in June 2022. Renovation and Modernization of Existing Navigation Lock at Farakka
2	<p>Comprehensive Project for development of National Waterway (NW)-2:</p> <ul style="list-style-type: none"> National Waterway 2 (NW-2) is a section of the Brahmaputra River having a length of 891 km between Dhubri (Bangladesh Border) and Sadiya (Assam). A project @ 474 Crore has been approved for comprehensive development of NW-2. The project includes fairway development, construction of terminals at Joghishopa and Bogibeel besides other activities viz., Fairway Development, O&M of Terminals & Vessels etc. Also, a project for Construction of Ship Repair Facility at Pandu, Guwahati in Assam @ cost of Rs. 208 Crore & Alternate approach road to Pandu Port in Guwahati @ cost of Rs. 180 Crore has been approved for implementation.
3	<p>Comprehensive Project for development of NW-16 & IBP route:</p> <ul style="list-style-type: none"> National Waterway-16 (NW-16) is a section of River Barak having a length of 121 km from Bhanga to Lakhimpur including Indo Bangladesh Protocol Route IBP route in India. A project @ 148 Crore has been approved for comprehensive development of NW-16 & IBP. The project includes fairway development, construction of terminals at Sonamura on Gumti River and Maia on Ganga River. It also includes up-gradation of Badarpur and Karimganj terminals.
4	NW-3 (West Coast Canal, Champakara & Udyogmandal Canals) projects -
(i)	Construction of new Navigational Lock at Thrikkunnapuzha, at a cost of Rs. 38 crore.
(ii)	Execution of balance capital dredging and widening in Edappallikotta and Kollam stretch, at a cost of Rs. 6.75 cr.
(iii)	Operation and maintenance works of fairway, terminals, navigational aids and vessels on annual basis on the waterway.
5	<p>Projects on part of NW-4 {Krishna River Vijayawada – Muktyala Stretch}:</p> <p>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 terminals at Harshchandrapuram and Muktyala. Land acquisition for the Ro-Ro terminal at Ibrahimpatnam is underway with the State Govt. of Andhra Pradesh for which fund has been transferred.</p>

6	<p>Projects on part of NW-5 from Pankapal - Dhamra Port – Mangalgadi– Paradip Port covering 212 km is being developed in phase-I with the following activities:</p> <ul style="list-style-type: none"> a) Monthly Longitudinal Thalweg Survey for assessing depth and horizontal / vertical clearance for cross structures / bridges (212 km). b) 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 & EMP) including CRZ and Wildlife Clearance - MoEF&CC informed on 05th Jan, 2021 that no EC is required. Only CRZ & Wild life clearances are to be obtained from Govt. of Odisha. <ul style="list-style-type: none"> • Navigational clearance below existing power lines from Dhamra / Paradip to Pankapal on deposit basis through Govt. of Odisha is nearing completion. • 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. • An EoI has been published for development of the waterway transport on rivers Brahmani (NW-5) and Mahanadi (NW-64) under PPP for connecting Ports of Paradip and Dhamra to Kalingnagar - Talcher mining and industrial areas.
7	<p>NW-8 (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>NW-9 (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>NW-27 Cumberjua River</p>
10	<p>NW-68 Mandovi River</p>
11	<p>NW-111 Zuari River</p>
12	<p>NW-40 (River Ghagra -Ayodhya to Ghaghra-Ganga Confluence)- 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. Scheme at a cost of Rs. 3.12 cr. has been sanctioned during 2022-23 for development under Phase-I of the waterway.</p>

13	NW-86 {Rupnarayan River (PratapPur to Geonkhali) in West Bengal}- 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.
14	NW-97 {Sunderbans Waterway (Namkhana to AtharaBankiKhal) in West Bengal}- 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.
15	NW 52 Kali River (Kodasalli Dam to Sadashivgad Bridge, Arabian Sea) in Karnataka through State Govt.- (Released fund of Rs.2.70 crore to Director, Port & IWT Dept., Karwar, Govt. of Karnataka on 12.08.2021 (FY 2021-22) for development of NW-52 (river Kali) on deposit basis through Govt. of Karnataka towards providing floating jetty (2 nos.) viz., Sadashivgad and Katne village (at a cost of Rs.2.54 crore) and navigational aids (at a cost of Rs.0.16 crore) for tourism promotion.
16	NW 44 Ichamati River (Bridge at Gobra to Bansjhari near Bangladesh Border) -As per the DPR prepared on Ichamati river (NW-44), development of waterway proposed in 10 Km stretch from Bansjhari, Mallikpur (Ch. 0 Km) to Parnaihati (Ch. 10 Km) in Class-III standards and hydrographic survey activities in progress in above stretch.
17	NW 57 Kopili River (BanthaiGaonTinali Bus Stop to Chandrapur No.2 confluence with Brahmaputra) - Development of Navigational route of 10 km stretch of NW-56 has been assigned to Dredging Corporation of India (DCI).
18	NW 31 Dhansiri River (Morongi T.E. village Bridge to Numaligarh) -Dredging of River Dhansiri to facilitate ODC / OWC and project cargo movement assigned to Dredging Corporation of India (DCI).
