

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA
UNSTARRED QUESTION NO.1543
ANSWERED ON 10.02.2023

PORT TERMINALS

1543. SHRI RAVI KISHAN:
SHRI KUNWAR PUSHPENDRA SINGH CHANDEL:
SHRI RAVINDRA KUSHWAHA:
SHRI PRATAP CHANDRA SARANGI:
DR. RAMAPATI RAM TRIPATHI:
SHRI HEMANT TUKARAM GODSE:

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

- (a) the details of the scheme being formulated by the Government to develop waterways;
- (b) the number of ports terminals developed under the waterways development project;
- (c) the names of the waterways on which passengers ferry and freight services have been started during the last three years, State/UT-wise;
- (d) the names of the waterways on which passenger ferry and freight services are proposed to be started in the ensuing year; and
- (e) whether the Government has also made efforts to develop waterways on the Yamuna river and its tributaries in Bundelkhand and if so, the details thereof ?

ANSWER

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

- (a) To promote Inland Water Transport (IWT) in the country, Government declared 111 (including 5 existing and 106 new) National Waterways (NWs) spread over 24 states under the National Waterways Act, 2016. The details are at **Annexure-1**. A techno-economic feasibility study of NWs was carried out and 26 NWs were found feasible for cargo & passenger movement. At present, development initiatives have been taken up in the 18 NWs. The detail is at **Annexure-2**.
- (b) 31 number of river ports/terminals developed under the waterways development project.

(c) Passengers ferry services are in the purview of concerned State Governments. For freight services, there were 13 NWs on which cargo movement recorded in 2018-19 which have been increased to 22 NWs in 2022-23. The detail is at **Annexure -3**

(d) Cumberjua River (NW-27), Ghagra River (NW-40), Kali River (NW-52), Kopili River (NW-57), Chapora River (NW-25), Gandak River (NW-37), Dhabol Creek Vasisti River (NW-28), Dhansiri River (NW-31), Alappuzha-Changanassery Canal (NW-8), Alappuzha-KottayamAthirampuzha Canal (NW-9) & BudhaBalanga (NW-23).

(e) To connect Bundelkhand region to other parts of the country, Government declared river Yamuna (NW-110), river Betwa (NW-19) and river Chambal (NW-24) as National Waterways through National Waterways Act, 2016. The detail is at **Annexure - 4**. As per the techno-economic feasibility study of River Betwa & Chambal and DPR of river Yamuna, these waterways are techno-economically unviable for development of shipping & navigation for cargo movement. The river Chambal and Yamuna are viable for tourism and ferry services.

Annexure-1**List of 111 National Waterways**

Sl. No	National Waterway No.	Length (km)	Details of Waterways	STATES
1	National Waterway 1	1620	Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)	Uttar Pradesh, Bihar, Jharkhand & West Bengal
2	National Waterway 2	891	Brahmaputra River (Dhubri - Sadiya)	Assam
3	National Waterway 3	205	West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals	Kerala
		170	West Coast Canal (Kottapuram - Kozhikode)	
4	National Waterway 4	50	Kakinada Canal (Kakinada to Rajahmundry)	Andhra Pradesh, Telangana, Chhattisgarh, Karnataka, Tamil Nadu, Pondichery 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	
		1202	River Godavari (Bhadrachalam - Nashik)	
5	National Waterway 5	256	East Coast Canal and Matai river	Odisha and West Bengal
		265	Brahmani-Kharsua-Dhamra rivers	
		67	Mahanadi delta rivers (Consisting of Hansua river, Nunanala, Gobrinala, Kharnasi river and Mahanadi river)	
6	National Waterway 6	68	Aai River	Assam
7	National Waterway 7	90	Ajoy (Ajay) River	West Bengal

Sl. No	National Waterway No.	Length (km)	Details of Waterways	STATES
8	National Waterway 8	29	Alappuzha- Changanassery Canal	Kerala
9	National Waterway 9	40	Alappuzha- Kottayam - Athirampuzha Canal	Kerala Alternate route: 11.5km
10	National Waterway 10	45	Amba River	Maharashtra
11	National Waterway 11	99	Arunawati - Aran River System	Maharashtra
12	National Waterway 12	5.5	Asi River	Uttar Pradesh
13	National Waterway 13	11	Avm Canal	Kerala & Tamil Nadu
14	National Waterway 14	48	Baitarni River	Odisha
15	National Waterway 15	135	Bakreswar - Mayurakshi River System	West Bengal
16	National Waterway 16	121	Barak River	Assam
17	National Waterway 17	189	Beas River	Himachal Pradesh & Punjab
18	National Waterway 18	69	Beki River	Assam
19	National Waterway 19	67	Betwa River	Uttar Pradesh
20	National Waterway 20	95	Bhavani River	Tamil Nadu
21	National Waterway 21	139	Bheema River	Karnataka & Telangana
22	National Waterway 22	156	Birupa - BadiGenguti - Brahmani River System	Odisha
23	National Waterway 23	56	BudhaBalanga	Odisha
24	National Waterway 24	61	Chambal River	Uttar Pradesh
25	National Waterway 25	33	Chapora River	Goa
26	National Waterway 26	51	Chenab River	Jammu & Kashmir
27	National Waterway 27	17	Cumberjua River	Goa
28	National Waterway 28	45	Dabhol Creek -Vashishti River System	Maharashtra
29	National Waterway 29	132	Damodar River	West Bengal
30	National Waterway 30	109	Dehing River	Assam
31	National Waterway 31	114	Dhansiri / Chathe	Assam
32	National Waterway 32	63	Dikhu River	Assam
33	National Waterway 33	61	Doyans River	Assam
34	National Waterway 34	137	Dvc Canal	West Bengal
35	National Waterway 35	108	Dwarekeswar River	West Bengal
36	National Waterway 36	119	Dwarka River	West Bengal
37	National Waterway 37	296	Gandak River	Bihar & Uttar Pradesh
38	National Waterway 38	62	Gangadhar River	Assam & West Bengal

Sl. No	National Waterway No.	Length (km)	Details of Waterways	STATES
39	National Waterway 39	49	Ganol River	Meghalaya
40	National Waterway 40	354	Ghaghra River	Bihar & Uttar Pradesh
41	National Waterway 41	112	Ghataprabha River	Karnataka
42	National Waterway 42	514	Gomti River	Uttar Pradesh
43	National Waterway 43	10	Gurupur River	Karnataka
44	National Waterway 44	63	Ichamati River	West Bengal
45	National Waterway 45	650	Indira Gandhi Canal	Punjab , Haryana &Rajashtan
46	National Waterway 46	35	Indus River	Jammu & Kashmir
47	National Waterway 47	131	Jalangi River	West Bengal
48	National Waterway 48	590	Jawai-Luni-Rann Of Kutch River System	Gujarat & Rajasthan
49	National Waterway 49	110	Jhelum River	Jammu & Kashmir
50	National Waterway 50	43	Jinjiram River	Assam & Meghalaya
51	National Waterway 51	23	Kabini River	Karnataka
52	National Waterway 52	53	Kali River	Karnataka
53	National Waterway 53	145	Kalyan-Thane-Mumbai Waterway, Vasai Creek And Ulhas River System	Maharashtra
54	National Waterway 54	86	Karamnasa River	Bihar & Uttar Pradesh
55	National Waterway 55	311	Kaveri - Kollidam River System	Tamil Nadu
56	National Waterway 56	22	Kherkai River	Jharkhand
57	National Waterway 57	50	Kopili River	Assam
58	National Waterway 58	236	Kosi River	Bihar
59	National Waterway 59	19	Kottayam-Vaikom Canal	Kerala
60	National Waterway 60	80	Kumari River	West Bengal
61	National Waterway 61	28	Kynshi River	Meghalaya
62	National Waterway 62	86	Lohit River	Assam & Arunachal Pradesh
63	National Waterway 63	336	Luni River	Rajasthan
64	National Waterway 64	426	Mahanadi River	Odisha
65	National Waterway 65	80	Mahananda River	West Bengal
66	National Waterway 66	247	Mahi River	Gujarat
67	National Waterway 67	94	Malaprabha River	Karnataka
68	National Waterway 68	41	Mandovi River	Goa
69	National Waterway 69	5	Manimutharu River	Tamil Nadu
70	National Waterway 70	245	Manjara River	Maharashtra &Telangana
71	National Waterway 71	27	Mapusa / Moide River	Goa

Sl. No	National Waterway No.	Length (km)	Details of Waterways	STATES
72	National Waterway 72	59	Nag River	Maharashtra
73	National Waterway 73	226	Narmada River	Maharashtra & Gujarat
74	National Waterway 74	79	Netravathi River	Karnataka
75	National Waterway 75	142	Palar River	Tamil Nadu
76	National Waterway 76	23	Panchagangavali (Panchagangoli) River	Karnataka
77	National Waterway 77	20	Pazhyar River	Tamil Nadu
78	National Waterway 78	262	Penganaga - Wardha River System	Maharashtra & Telangana
79	National Waterway 79	28	Pennar River	Andhra Pradesh
80	National Waterway 80	126	Ponniyar River	Tamil Nadu
81	National Waterway 81	35	Punpun River	Bihar
82	National Waterway 82	58	Puthimari River	Assam
83	National Waterway 83	31	Rajpuri Creek	Maharashtra
84	National Waterway 84	44	Ravi River	Jammu & Kashmir, Himachal Pradesh & Punjab
85	National Waterway 85	31	Revadanda Creek - Kundalika River System	Maharashtra
86	National Waterway 86	72	Rupnarayan River	West Bengal
87	National Waterway 87	210	Sabarmati River	Gujarat
88	National Waterway 88	14	Sal River	Goa
89	National Waterway 89	45	Savitri River (Bankot Creek)	Maharashtra
90	National Waterway 90	29	Sharavati River	Karnataka
91	National Waterway 91	52	Shastri River - Jaigad Creek System	Maharashtra
92	National Waterway 92	26	Silabati River	West Bengal
93	National Waterway 93	63	Simsang River	Meghalaya
94	National Waterway 94	141	Sone River	Bihar
95	National Waterway 95	106	Subansiri River	Assam
96	National Waterway 96	311	Subarnrekha River	Jharkhand, West Bengal & Odisha
97	National Waterway 97	172	Sunderbans Waterway	West Bengal
		56	Bidya River	West Bengal
		15	Chhota Kalagachi (Chhoto Kalergachi) River	West Bengal
		7	Gomar River	West Bengal
		16	Haribhanga River	West Bengal
		37	Hogla (Hogal)-Pathankhali River	West Bengal
		9	Kalindi (Kalandi) River	West Bengal
		22	Katakhali River	West Bengal

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES
		99	Matla River	West Bengal
		28	Muri Ganga (Baratala) River	West Bengal
		53	Raimangal River	West Bengal
		14	Sahibkhali (Sahebkhali) River	West Bengal
		37	Saptamukhi River	West Bengal
		64	Thakurran River	West Bengal
98	National Waterway 98	377	Sutlej River	Himachal Pradesh & Punjab
99	National Waterway 99	62	Tamaraparani River	Tamil Nadu
100	National Waterway 100	436	Tapi River	Maharashtra & Gujarat
101	National Waterway 101	42	Tizu - Zungki Rivers	Nagaland
102	National Waterway 102	87	Tlwan (Dhaleswari River)	Assam & Mizoram
103	National Waterway 103	73	Tons River	Uttar Pradesh
104	National Waterway 104	232	Tungabhadra River	Karnataka, Telangana & Andhra Pradesh
105	National Waterway 105	15	Udayavara River	Karnataka
106	National Waterway 106	20	Umngot (Dawki) River	Meghalaya
107	National Waterway 107	46	Vaigai River	Tamil Nadu
108	National Waterway 108	53	Varuna River	Uttar Pradesh
109	National Waterway 109	166	Wainganga - Pranahita River System	Maharashtra & Telangana
110	National Waterway 110	1080	Yamuna River	Delhi, Haryana & Uttar Pradesh
111	National Waterway 111	50	Zuari River	Goa
	Total	20162.5		

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

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. village Bridge to Numaligarh)	110	Assam
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-3

Operational Waterways till 2018-19			
Sl.No.	NW No.	NW Name	State
1	NW-1	Ganga-Bhagirathi-Hooghly River System (Haldia-Allahabad)	UP, Bihar, Jharkhand, W. Bengal
2	NW-2	Brahmaputra River (Dhubri-Sadiya)	Assam
3	NW-3	West Coast Canal	Kerala
4	NW-4	Krishna Godavari River Systems	Andhra Pradesh
5	NW-10	Amba River	Maharashtra
6	NW-83	Rajpuri Creek	Maharashtra
7	NW-85	Revadanda Creek-Kundalika River System	Maharashtra
8	NW-91	Shastri River - Jaigad Creek System	Maharashtra
9	NW-68	Mandovi River	Goa
10	NW-111	Zuari River	Goa
11	NW-73	Narmada River	Gujarat
12	NW-100	Tapi River	Gujarat
13	NW-97	Sunderbans Waterway	W. Bengal
Waterways Operationalized in 2019-20			
14	NW-16	Barak River	Assam
15	NW-44	Ichamati River	W. Bengal
16	NW-94	Sone River	W. Bengal
Waterways Operationalized in 2020-21			
17	NW-86	Rupnarayan River	W. Bengal
Waterways Operationalized in 2021-22			
18	NW-5	East Coast Canal And Matai River/Brahmani-Kharsua-Dhamra Rivers/Mahanadi Delta Rivers	Odisha
19	NW-64	Mahanadi River	Odisha
Waterways Operationalized in 2022-23			
20	NW-23	BudhaBalanga	Odisha
21	NW-8	Alappuzha-Changanassery Canal	Kerala
22	NW-9	Alappuzha-Kottayam – Athirampuzha Canal	Kerala

Annexure -4

Government declared following rivers as National waterways through National Waterways Act, 2016 for connecting Bundelkhand region through waterways, as detailed -

S. No.	National Waterway (NW)	State
1.	NW-19 {River Betwa from RirwaBuzurgDaria (Chandrsi) to confluence of Betwa and Yamuna rivers near MerapurDaria village (Hamirpur District) -67 Km}	Uttar Pradesh
2.	NW-24 {River Chambal from Chambal road bridge (village AwariEtawah District) on NH-92 to confluence of Chambal and Yamuna rivers at Charakpura village in Jalaun District -61 Km}	Uttar Pradesh
3.	NW-110 (River Yamuna from Jagatpur, Delhi to confluence of Yamuna and Ganga rivers at Sangum, Prayagraj -1080 Km)	Delhi, Haryana and Uttar Pradesh
