

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
STARRED QUESTION NO. *42
TO BE ANSWERED ON 13TH DECEMBER, 2018

ALLAHABAD–DELHI SHIPPING SERVICE

*42. SHRI BHAIRON PRASAD MISHRA:

Will the Minister of SHIPPING be pleased to state:

पोत परिवहन मंत्री

- (a) whether the Government proposes to provide shipping service from Allahabad to Delhi through Yamuna river and if so, the details thereof;
- (b) whether it is also proposed to make Mau and Rajapur of Chitrakut and Augasi of Banda regions the central places thereunder;
- (c) if so, the details thereof; and
- (d) whether the said service is likely to be implemented before the Kumbh Mela and if so, the details thereof?

ANSWER
MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI MANSUKH L. MANDAVIYA)

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

**Statement referred to in reply to parts (a) to (d) of Lok Sabha Starred
Question No.*42 for 13.12.2018 raised by Shri Bhairon Prasad Mishra,
M.P. on “Allahabad-Delhi Shipping Service”**

(a) to (d): River Yamuna from Jagatpur (6 km upstream of Wazirabad Barrage), Delhi to confluence of Yamuna and Ganga rivers at Sangam, Allahabad (Prayagraj) (1080 km) has been declared as National Waterway (NW) No.110 under the National Waterways Act, 2016. A Detailed Project Report (DPR) to assess the techno-economic feasibility of navigation on NW-110 is under preparation and is scheduled to be completed by April, 2019. Analysis of the completed DPR would influence the decision on cargo movement on NW-110. Therefore, shipping service is not envisaged before Kumbh, 2019 between Allahabad and Delhi.

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
STARRED QUESTION NO. *48
TO BE ANSWERED ON 13th DECEMBER, 2018

COLLISION OF SHIPS

*48. PROF. K.V. THOMAS:
SHRI S. RAJENDRAN:

Will the Minister of SHIPPING be pleased to state:

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- (a) whether a number of collision incidents has been reported between ships/Indian merchant vessels and fishing vessels off the Indian coast;
- (b) if so, the number of such incidents that came to the notice of the Government during each of the last three years and the current year;
- (c) whether the Directorate General of Shipping has proposed the establishment of a Traffic Separation Scheme (TSS) off the South-West coast of India to prevent such collision incidents and if so, the details thereof;
- (d) whether the Government has consulted all the stakeholders in this regard and if so, the details thereof along with the time by which the proposed scheme is likely to come into force; and
- (e) the steps taken/being taken by the Government for navigational safety and the separation of opposing streams of traffic to reduce incidents of collision in Indian waters?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI MANSUKH L.MANDAVIYA)

(a) to (e) A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF LOK SABHA
STARRED QUESTION NO. *48 FOR 13.12.2018 REGARDING COLLISION OF SHIPS

(a) & (b) The number of collision incidents reported between Indian merchant vessels and fishing vessels during each of the last three years and the current year is as follow:-

Year	No. of Collision incidents
2015	Nil
2016	01
2017	02
2018 (till Dec. 7)	04

(c) & (d) Yes, Madam. The proposed Traffic Separation Scheme(TSS) consists of lanes (for opposing traffic) with a 5 nautical miles width and a separation zone of 1 nautical mile (making an overall width of 11 nautical mile). The northernmost tip of the TSS originates at a distance of about 90 nautical miles west of Karwar, Karnataka and leads in a south easterly direction to the southernmost tip, which is about 40 nautical miles South of Kanyakumari, Tamil Nadu. The proposed TSS between these two tips is located at an average distance of about 50 to 60 nautical miles or more from the coast.

The proposal is in consultation stage and has been prepared after taking inputs of various agencies and also taking into consideration past collision incidents off the Indian coast, traffic patterns of merchant vessels for the past years, consideration of optimum sea routes in consonance with the current traffic flow, including simplification of traffic in converging areas off the coast of Kerala. The proposal has also considered aspects pertaining to safety of navigation, maritime security and the separation of opposing streams of traffic to reduce incidents of collision in Indian waters.

(e) The steps being taken for the safety of navigation and to reduce incidents of collision in Indian waters are as follows:-

- (i) Safety advisories are being promulgated frequently through satellite and terrestrial methods to all vessels.
- (ii) Ships routing system [(TSS) , Safety Fairways, etc.] exist in certain areas of Indian waters. Also, the proposed TSS of the south-west coast of India is being considered to enhance safety of navigation and to reduce incidents of collision in Indian waters.

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
UNSTARRED QUESTION NO. 515
TO BE ANSWERED ON 13TH DECEMBER, 2018

DEVELOPMENT OF WATERWAYS

515. SHRI BHAGWANTH KHUBA:

Will the Minister of SHIPPING be pleased to state:

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- (a) whether the Government has framed or is framing any policy for development of waterways in the country and if so, the details thereof;
- (b) the details of locations/lengths identified by the Government for the purpose; and
- (c) whether any budgetary allocation has been made for the same and if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI PON. RADHAKRISHNAN)

(a) & (b) On the policy regarding development of National Waterways in the country, the Government is guided by the Inland Waterways Authority of India Act, 1985 and the National Waterways Act, 2016. A list of the National Waterways (NWs), their location and length is as **Annex**.

(c) The details of funds allocated for development of NWs from 2016-17 onwards are as under:

(Rs. in crore)

Year	Budgetary Estimates (BE)	Revised Estimate (RE)
2016-17	BE Rs.350.00 + Rs.340.00 (EBRs)*	Rs.302.00 + Rs.EBRs 340.00
2017-18	Rs.228.00 (Grants) + Rs.660.00 (EBRs)*	Rs.329.66 + Rs.EBRs 660.00
2018-19	Rs.322.75 (Grants) + Rs.420.92 (EBRs)*	Yet to be decided.

(*) Extra Budgetary Resources

Annex

List of 111 National Waterways

(Government of India has declared 111 waterways as National Waterways through National Waterways Act, 2016 enacted on 12.04.2016).

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)	
		636	River Krishna (Wazirabad - Galagali)	
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
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

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES
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 - BADI GENGUTI - BRAHMANI RIVER SYSTEM	Odisha
23	National Waterway 23	56	BUDHA BALANGA	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
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 & Rajasthan
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

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES
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	KOPI LI 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	KYN SHI 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
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	PEN NAR 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

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES
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
		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	TLWANG (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

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES
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
		20162.5		

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
UNSTARRED QUESTION NO. 572
TO BE ANSWERED ON 13TH DECEMBER, 2018

NEW PROJECTS UNDER SAGARMALA PROGRAMME

572. SHRI E.T. MOHAMMED BASHEER:

Will the Minister of SHIPPING be pleased to state:

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- (a) whether the Government proposes to add new projects under Sagarmala programme;
- (b) if so, the details thereof; and
- (c) the further steps the Government proposes to take in this regard?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI PON. RADHAKRISHNAN)

(a) to (c) Sagarmala Programme was launched on 25th March, 2015 and National Perspective Plan (NPP) of Sagarmala was released in April, 2016 with shelf of 173 projects. Number of the projects were considered and included in shelf of projects under Sagarmala Programme since release of NPP. As on date, total number of projects under Sagarmala Programme is 605. Addition of new projects is ongoing process and is being undertaken based on multiple reviews with stakeholders and comprehensive project evaluations provided project meet Sagarmala objectives.

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
UNSTARRED QUESTION NO.610
TO BE ANSWERED ON 13TH DECEMBER, 2018

REVAMPING OF KOLKATA PORT AND HALDIA DOCK

610. SHRI SANKAR PRASAD DATTA:

Will the Minister of SHIPPING be pleased to state:

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- (a) whether it is a fact that the Government is preparing a plan to invest and revamp Kolkata port and Haldia dock to boost industrial and commercial business in West Bengal; and
- (b) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI PON. RADHAKRISHNAN)

(a) Yes, Madam.

(b) The details of the projects undertaken at Kolkata Dock System and Haldia Dock Complex (HDC) to boost industrial and commercial business in West Bengal are given below:-

(A) Capacity augmentation projects:

Sl. No.	Name of the project	Investment (in Rs. crore)	Capacity (in million tonnes per annum)
1.	Mechanisation of berth No.3 of HDC on Design, Build, Finance, Operate & Transfer (DBFOT) basis	310.67	3.57
2.	Procurement of one Rail Mounted Quay Crane (RMQC) at HDC	61.31	-
3.	Setting up of Outer Riverine Terminal (OT-II)	150	2.00
4.	Setting up of liquid cargo handling capacity at Shalukkhali, Haldia Dock-II	173	2.43

(B) Connectivity improvement projects:

Sl. No.	Name of the project	Investment (in Rs. crore)
1.	Widening and strengthening of concrete road from General Cargo berth main gate of berth No.13	26.55
2.	Construction of Road Over Bridge-cum-flyover at Ranichawk crossing at Haldia	127.80
3.	Setting up of 2 nd rail line from Durgachawk to HDC Railway System	117

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
LOK SABHA
UNSTARRED QUESTION NO. 611
TO BE ANSWERED ON 13TH DECEMBER, 2018

WORK ON VARANASI-HALDIA STRETCH OF NATIONAL WATERWAY-1

611. SHRI BHARAT SINGH:
SHRI AJAY MISRA TENI:

Will the Minister of SHIPPING be pleased to state:

- (a) whether the work on Varanasi-Haldia stretch on National Waterway-I passing through river Ganga has been started and if so, the details thereof;
- (b) whether cost of inland water transport is three times less than that of road or air transport and if so, the details thereof;
- (c) whether the Government proposes to ensure the smooth movement of cargo/ passengers ships on river Ganga and all other waterways by restoring the water depth wherever it has reduced; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF SHIPPING
(SHRI PON. RADHAKRISHNAN)

(a) Yes, Madam. Work has started on the Jal Marg Vikas Project (JMVP) for augmentation of navigation capacity on the Haldia-Varanasi stretch of National Waterway-1. It includes construction of multimodal and inter-modal terminals, navigational lock, fairway development, river information system, procurement of vessels etc. The multimodal terminal at Varanasi was inaugurated by the Hon'ble Prime Minister on 12.11.2018.

(b) The cost comparison between Inland Water Transport (IWT), railways and highways as per RITES Report of 2014 on "Integrated National Waterways Transportation Grid", is given below:

Mode	Railways	Highways	IWT
Freight (Rs./T.km)	1.36	2.50	1.06

(c) & (d) To promote Inland Water Transport (IWT) in the country, 111 (including 5 existing and 106 new) National Waterways (NWs) spread over 24 States have been declared under the National Waterways Act, 2016.

Inland Waterways Authority of India (IWAI) has commissioned techno-economic feasibility and Detailed Project Reports (DPRs) for the NWs. Decision on promoting safe navigation and shipping on technically viable NWs depends on the outcome of these reports.
