

GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO.102**  
ANSWERED ON 04.02.2019

**DEVELOPMENT OF STATE WATERWAYS**

102. MS. SAROJ PANDEY:

Will the Minister of SHIPPING be pleased to state whether it is a fact that Government has formulated any action plan for the development of inter state waterways in the rivers of the country, if so, the rivers and the waterways of the country which have been included in the action plan and the total financial outlay made for this action plan?

**ANSWER**

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

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, which came into effect from 12 April, 2016. The list of these NWs is at **Annex-1**. Out of these, 25 NWs are interstate NWs and their list is placed at **Annex.-2**.

NWs – 1, 2 and 3 are operational and cargo and passenger vessels are moving on them. The development works on NW-4 under Phase-I had commenced in 2017 and developmental activities have been initiated on NW-5.

In addition, Government is implementing the Jal Marg Vikas Project (JMVP) at an estimated cost of Rs. 5369.18 crore for capacity augmentation of navigation on National Waterway -1 (NW-1) on the Haldia – Varanasi stretch of Ganga-Bhagirathi- Hooghly River System with technical and financial assistance of the World Bank.

Based on the outcome of techno-economic feasibility studies and Detailed Project Reports (DPRs) prepared for new NWs, technical interventions are planned for safe navigation and shipping on technically viable NWs. As per the DPRs completed so far, 30 NWs have been found to be technically viable (**Annex.-3**). The list of 10 viable NWs out of these 30 NWs in which development activities have been initiated is placed at **Annex.-4**.

The details of funds allocated since 2015-16 for implementation of developmental works on NWs conducting feasibility studies and preparation of DPRs of NWs are given below.

**(Rs. in crore)**

Year	BE	RE
<b>2015-16</b>	300.00 (Grants)	298.72 (Grants)
<b>2016-17</b>	BE 350.00 (Grants) + 340(EBRs)*	303.00 (Grants) + EBRs 340.00
<b>2017-18</b>	228.00 (Grants) + 660.00 (EBRs)*	335.32 (Grants)+ EBRs 660.00

<b>2018-19</b>	399.75 (Grants)	780.29 (Grants)
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(\*) Extra Budgetary Resources

**List of 111 National Waterways declared under National Waterways Act, 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)	
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

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

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

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

<b>Sl. No</b>	<b>National Waterway No.</b>	<b>Length (km)</b>	<b>Details of Waterways</b>	<b>STATES</b>
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
	<b>Total</b>	<b>20162.5</b>		

**List of Interstate 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 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)	
3	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)	
4	National Waterway 13	11	Avm Canal	Kerala & Tamil Nadu
5	National Waterway 17	189	Beas River	Himachal Pradesh & Punjab
6	National Waterway 21	139	Bheema River	Karnataka & Telangana
7	National Waterway 37	296	Gandak River	Bihar & Uttar Pradesh
8	National Waterway 38	62	Gangadhar River	Assam & West Bengal
9	National Waterway 40	354	Ghaghra River	Bihar & Uttar Pradesh

<b>Sl. No</b>	<b>National Waterway No.</b>	<b>Length (km)</b>	<b>Details of Waterways</b>	<b>STATES</b>
10	National Waterway 45	650	Indira Gandhi Canal	Punjab , Haryana & Rajasthan
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14	National Waterway 62	86	Lohit River	Assam & Arunachal Pradesh
15	National Waterway 70	245	Manjara River	Maharashtra & Telangana
16	National Waterway 73	226	Narmada River	Maharashtra & Gujarat
17	National Waterway 78	262	Penganaga - Wardha River System	Maharashtra & Telangana
18	National Waterway 84	44	Ravi River	Jammu & Kashmir, Himachal Pradesh & Punjab
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20	National Waterway 98	377	Sutlej River	Himachal Pradesh & Punjab
21	National Waterway 100	436	Tapi River	Maharashtra & Gujarat
22	National Waterway 102	87	Tiwang (Dhaleswari River)	Assam & Mizoram
23	National Waterway 104	232	Tungabhadra River	Karnataka, Telangana & Andhra Pradesh
24	National Waterway 109	166	Wainganga - Pranahita River System	Maharashtra & Telangana
25	National Waterway 110	1080	Yamuna River	Delhi, Haryana & Uttar Pradesh

**LIST OF 30 NATIONAL WATERWAYS FOUND FEASIBLE:**

Sl. No.	River/Canal (NW#)	States	Length (km)
1	GHAGHRA RIVER (NW-40)	U.P & Bihar	354
2	KOSI RIVER (NW-58)	Bihar	236
3	GANDAK RIVER (NW-37)	Bihar & U.P.	296
4	SUNDERBANS WATERWAY (NW-97)	West Bengal	201
5	CUMBERJUA RIVER (NW-27)	Goa	17
6	MANDOVI RIVER (NW-68)	Goa	41
7	ZUARI RIVER (NW-111)	Goa	50
8	BARAK RIVER (NW-16)	Assam	121
9	RUPNARAYAN RIVER (NW-86)	West Bengal	45
10	SUBANSIRI RIVER (NW-95)	Assam	106
11	BAITARNI RIVER (NW-14)	Odisha	48
12	MAHANADI -LUNA RIVER (NW-64)	Odisha	98
13	AMBA RIVER (NW-10)	Maharashtra	45
14	REVADANDA CREEK - KUNDALIKA RIVER (NW-85)	Maharashtra	31
15	MAHI RIVER (NW-66)	Gujarat	247
16	NARMADA RIVER (NW-73)	Gujarat & Maharashtra	226
17	TAPI RIVER (NW-100)	Gujarat	173
18	SUBARNAREKHA RIVER (NW-96)	Odisha	30
19	AJOY (AJAY) RIVER (NW-7)	West Bengal	19
20	ICHAMATI RIVER (NW-44)	West Bengal	63
21	KABINI RIVER (NW-51)	Karnataka	23
22	CHAPORA RIVER (NW-25)	Goa	25
23	DABHOL CREEK - VASHISHTI RIVER (NW-28)	Maharashtra	45
24	MAPUSA - MOIDE RIVER (NW-71)	Goa	27
25	SAVITRI RIVER (BANKOT CREEK) (NW-89)	Maharashtra	45
26	GURUPUR RIVER (NW-43)	Karnataka	10
27	ALAPPUZHA- CHANGANASSERY CANAL (NW-8)	Kerala	29
28	ALAPPUZHA- KOTTAYAM - ATHIRAMPUZHA CANAL (NW-9)	Kerala	52
29	KOTTAYAM-VAIKOM CANAL (NW-59)	Kerala	19
30	Kalyan-Thane-Mumbai Waterway, Vasai Creek and Ulhas river (NW- 53)	Maharashtra	145

**List of 10 viable NWs on which development activities have been initiated**

Name of the Waterway	Status and Time-frame
1. River Barak (NW-16)	Development at a cost of Rs. 76.01 crore for years 2016-17 to 2019-20 for Phase-1 of NW-16 from Silchar to Bhanga has commenced. Maintenance dredging for fairway development work in Silchar-Bhanga stretch has commenced. Consultant has been engaged for the upgradation of terminals at Badarpur, Karimganj and new floating terminal at Silchar. Waterway is operational with limited infrastructure facility.
2. River Gandak (NW-37)	Development at a cost of Rs. 12.91 crore for years 2017-18 to 2018-19 including fairway maintenance work has commenced. Waterway is operational with limited infrastructure facility.
<b>Waterways in Goa</b> 3. NW-27-Cumberjua 4. NW 68 – Mandovi 5. NW 111 – Zuari	A proposal for the development of NWs in Goa at an estimated cost of Rs. 22.65 crore for years 2017-18 to 2018-19 has been approved. Work is proposed to be executed through Government of Goa with the assistance of Mormugao Port Trust. A Tripartite MoU has been signed for the commencement of works. Tendering for 4 floating jetties is under process. NWs of Goa are operational.
6. Alappuzha – Kottayam - Athirampuzha Canal (NW-9) :	Proposal for development of the waterway at an estimated cost of Rs. 1.60 crore for years 2017-18 to 2018-19 has been approved. Night navigation facilities has been procured and installed. Dredging is proposed departmentally. Waterway is already operational for ferry services.
7. River Rupnarayan (NW-86)	Proposal for development of the waterway at an estimated cost of Rs. 24.00 crore for years 2017-18 to 2018-19 has been approved. Work has been awarded for setting up of floating terminal. Tendering for dredging is at an advanced stage. Waterway is operational.
8. Sunderbans Waterways (NW-97)	Proposal for the development of waterway at an estimated cost of Rs. 18.10 crore for years 2017-18 to 2018-19 has been approved. Work order has been issued for dredging. Waterway is part of Indo-Bangladesh Protocol route and already operational for vessels.
9. River Kosi (NW-58)	Project proposal sanctioned for Rs. 15.68 crore for years 2018-19 to 2019-20 to develop the waterway with minimum required infrastructure (bandalling, channel marking, floating terminals and conducting monthly survey etc.). Waterway is operational.
10. River Ghagra (NW-40)	An amount of Rs. 11.60 crore for years 2018-19 to 2019-20 has been approved for fairway development by bandalling and day channel marking, creation of floating terminals and monthly surveys.

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GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
RAJYA SABHA  
UNSTARRED QUESTION NO- 122  
ANSWERED ON- 04.02.2019

**DEVELOPMENT OF RAMAYAPATNAM SEA PORT**

122. SHRI T.G. VENKATESH:

Will the Minister of SHIPPING be pleased to state:

- (a) the status and the progress of development of Ramayapatnam Seaport in the State of Andhra Pradesh;
- (b) whether Government has sanctioned and released any funds to this Seaport, if so, the details thereof;
- (c) the reasons for the delay in construction of the seaport; and
- (d) the steps being taken by Government for early completion of the seaport?

**ANSWER**

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

- (a) & (b) There is no proposal for development of Ramayapatnam Seaport as a Major Port in the State of Andhra Pradesh under consideration by the Government of India. However, State Government of Andhra Pradesh has informed that Government of Andhra Pradesh has granted in-principle approval for establishment of Non-Major Port at Ramayapatnam. Government of Andhra Pradesh has sanctioned an amount of Rs. 5.90 crores for the payment to be made to M/s RITES for preparation of Detailed Project Report (DPR).
- (c) Government of Andhra Pradesh has informed that there is no delay for development of Ramayapatnam Port.
- (d) Government of Andhra Pradesh is taking the following steps for early completion:
  - (i) Allotment of required land for development of Port
  - (ii) Post completion of Environment Impact Assessment (EIA) & (Coastal Regulation Zone (CRZ) Studies and post approval of the DPR, Tenders will be called for various works like Berths, Break Waters and allied works.

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GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
**RAJYA SABHA**  
**UNSTARRED QUESTION No-123**  
ANSWERED ON- 04.02.2019

**SETTING UP OF MAJOR PORT AT VODAREVU OR RAMAYAPATNAM**

123. SHRI V. VIJAYASAI REDDY:

Will the Minister of SHIPPING be pleased to state:

- (a) when did the Ministry request Andhra Pradesh Government to submit a proposal for setting up of major port at Vodarevu or Ramayapatnam in place of Duggarajapatnam;
- (b) if so, whether Government has rejected or accepted the above proposal;
- (c) whether State wants to set up a port at some other location and if so, the details thereof;
- (d) the time Ministry will take for obtaining clearances, once the State Government submits its proposal;
- (e) why Andhra Pradesh Government is insisting that the Ministry should not thrust on a particular place for setting up of port and State Government be given free hand; and
- (f) if so, the details thereof?

**ANSWER**

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

- (a)&(b) Ministry of Shipping requested Government of Andhra Pradesh on 13.10.2015 to send a detailed proposal for development of Vodarevu as another major Port in Andhra Pradesh. However, no such proposal has been received from Government of Andhra Pradesh.
- (c)to(f) Ministry of Shipping has requested Government of Andhra Pradesh to suggest any alternative site(s) for development of a Major Port in the State of Andhra Pradesh. However, no reply has been received so far.

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GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO-124**  
ANSWERED ON- 04.02.2109

**ROAD CONNECTIVITY IN THOOTHUKUDI PORT**

124. DR. SASIKALA PUSHPA RAMASWAMY:

Will the Minister of SHIPPING be pleased to state:

- a) whether Government has identified V.O.C Port in Thoothukudi in Tamil Nadu under the ambitious Sagarmala Pariyojana phase-1 for development of road connectivity;
- b) if so, the details thereof;
- c) whether any funds has been earmarked for this;
- d) if so, the details thereof; and
- e) if not, the reasons therefor?

**ANSWER**

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

(a) &(b) Under the Sagarmala Pariyojana, 4 projects have been identified for development of road connectivity to V.O.Chidambaranar Port.

Sl No	Project Name	Total Cost (Rs. Cr)	Implementing agency	Capacity Addition Planned (Kms)
1	Road Connectivity to Hare island -Tuticorin Port	12	NHAI	5
2	8 laning of VOC road from Port Trust Circle to NH 45B junction	25	NHAI	2.7
3	Construction of widening the Korampallam Surplus course bridge and rail over bridge -RoB including widening of road from western boundary to TTPS	42	VoCPT	0.3
4	4 to 6 laning of NH-45B and NH-7A	To be determined	NHAI	12.25
<b>Total</b>		<b>79</b>		<b>20.25</b>

(c),(d)&(e) Projects at Sl. No. 1,2 and 4 in above table have been taken up by NHAI under the Bharatmala scheme of Govt. of India and project at Sl. No 3 has been taken up by the V.O . Chidambaranar Port Trust.

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**GOVERNMENT OF INDIA**  
**MINISTRY OF SHIPPING**  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO- 125**  
**ANSWERED ON- 04.02.2019**

**ENVIRONMENTAL CLEARANCE OF HALDIA-VARANASI WATERWAY**

**125. SHRI RITABRATA BANERJEE:**

Will the Minister of SHIPPING be pleased to state:

- (a) whether India's longest waterway project on the river Ganga underwent any environmental clearance, especially for the dredging between Varanasi and Haldia and if so, the details thereof;
- (b) if not, the reasons therefor;
- (c) whether Government plans to conduct or has conducted any consultations with Locals or Civil Society Organisations, for environmental and ecological matters and if so, the details thereof;
- (d) if not, the reasons therefor; and
- (e) whether Government has conducted or is aware of any study on severe ecological threats from dredging activities and the impending harm due to lack of any environmental clearance and if so, the details thereof?

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

**(a) to (e):** The Jal Marg Vikas Project (JMVP) is being implemented for augmentation of navigation capacity on the Haldia – Varanasi stretch of National Waterway-1 on Ganga-Bhagirathi- Hooghly River System with technical and financial support of the World Bank. The Ministry of Environment, Forests & Climate Change (MoEF&CC) has concurred with the decision that as per extant legal position no prior Environment Clearance (EC) is required for maintenance dredging in navigational channel for Inland Waterways including dredging under JMVP. Clearances/approvals and details of public consultation under JMVP are at **Annex**.

To safeguard environment and ecology in the country, Inland Waterways Authority of India (IWAI) has undertaken Detailed Environment Assessment (EA) for JMVP through renowned consultants as per requirement under the World Bank Operational Policies. As part of the EA, extensive consultations with stakeholders (including Locals and Civil Society Organisations) were carried out by the Consultants in June, July, September, October and November of 2015 and in February, 2016 along the project Corridor. Additionally, the draft cumulative Impact Assessment Report; the Consolidated

Environmental Impact Assessment Report containing the Environment Management Plans (EMPs) for maintenance dredging, barge operations, the Farakka Navigational Lock, the multimodal terminals at Sahibganj, Varanasi and Haldia, the Executive Summary, and the Consolidated Social Impact Assessment-cum-Resettlement Action Plan were published on the Inland Waterways Authority of India (IWAI) website in May, 2016 for information and comments from the public. These reports were finalised on the basis of comments received from the public and the World Bank.

The National Board for Wildlife (NBWL), MoEF&CC accorded permission for movement and plying of inland vessels through the Turtle Wildlife Sanctuary, Varanasi, Uttar Pradesh on 12<sup>th</sup> June 2017 as no dredging is proposed in the wildlife sanctuary areas such as Vikramashila Gangetic Dolphin Sanctuary, Bhagalpur and Kashi Turtle Sanctuary, Varanasi.

IWAI commissioned a consultancy in December, 2017 to carry out a special study on the effect of navigational activities on the Gangetic Dolphin. The scope of the study on 'Effect of Navigational Activities on Dolphin in the NW-1' was finalized in a brain-storming session held on 14<sup>th</sup> October, 2016 at IWAI, Noida with the subject experts from Patna University, Tilka Manjhi Bhagalpur University, Wildlife Institute of India, National Mission for Clean Ganga (NMCG) and also in consultation with the World Bank.

Under the JMVP, a Consultant has been engaged by the IWAI for identification of Risk Assessment (RA) and preparation of Disaster Management Plan (DMP) for National Waterway-1. The objective of consultancy service is to assess the risk associated with ongoing and proposed cargo & passenger movement and other navigational activities including maintaining fairway through NW-1 and identifying abatement measures towards developing a proposal for integration of IWT related disasters into existing District Disaster Management Plan (DDMP).

**Clearances/approvals received and Public Consultations under Jal Marg Vikas Project (JMVP):**

**Clearances and approvals received**

- Wildlife clearance for the movement of vessels through Kashi Turtle Wildlife Sanctuary, Varanasi: The National Board for Wildlife (NBWL), MoEF&CC recommended for movement and plying of inland vessels through the Turtle Wildlife Sanctuary, District Varanasi, Uttar Pradesh vide letter dated 12<sup>th</sup> June 2017 of UP State Board for Wildlife.
- CRZ Clearance for the Multimodal Terminal at Haldia: The MoEF&CC granted the CRZ clearance for Multimodal Terminal at Haldia on 6<sup>th</sup> November 2017.
- Oil Spill Disaster Contingency Plan approved by Indian Coast Guard, Haldia on 22<sup>nd</sup> December 2016.
- National Ganga River Basin Authority (NGRBA) examined and supported the proposal for construction of New Navigational Lock at Farakka on 28.02.2016
- The ICAR-Central Inland Fisheries Research Institute (ICAR-CIFRI), Barrackpore had carried out a special study on the 'Impact assessment of coal transportation through barges along the National Waterway-1 (Sagar to Farakka) along river Ganga. The study revealed no significant changes in water quality parameters.
- In addition, a Project Oversight Committee (POC) is constituted to provide critical guidance and evaluation of the project. Representatives of the States, through which NW-1 passes, are included in this Committee to facilitate closer interaction, sharing and dissemination of views on issues that may concern the respective State Governments. The Committee comprises of senior representatives of IWAI, Central Water Commission and concerned State Governments of Uttar Pradesh, Bihar, Jharkhand and West Bengal. The Committee is expected to meet once in three months at IWAI, Noida or in the capital or project sites of any of the four States.

**Public consultations**

Detailed Environmental Assessment (EA) has been undertaken for all the proposed components to identify the environmental issues associated with the Jal Marg Vikas Project (JMVP). The Environmental Impact Assessment was carried out in line with the World Bank Operational Policies, IFC Guidelines and MoEF&CC Guidelines.

The environmental assessments were carried out in substantial consultation with stakeholders, to ensure that the environmental assessment and other compliance requirements are in alignment with the policies and procedures as specified by the Government of India and the World Bank Group safeguard policies.

Stakeholder's view and perception was assessed through informal and formal public consultation meetings. The different stakeholder's viz. government officials, NGOs, village panchayats (village administration), people (male, female) were contacted and consulted during the course of the study. Stakeholders were informed about the project components and likely environmental impacts before seeking their views. In each consultation, all efforts were made to have adequate participation from women as well. Consultations have been carried out for the project in two stages. First stage consultation was undertaken during impact assessment process to identify the concerns of people, which were duly addressed through appropriate mitigation measures. Second stage consultation was undertaken after preparation of EIA report to assess the adequacy and acceptability of the proposed mitigation measures and management plan.

### **Period of Public Consultation**

Haldia Terminal:	September, 2015
Farakka Lock:	June, 2015
Sahibganj Terminal:	July-November, 2015
Varanasi Terminal:	October-November, 2015
Buxar Area:	February, 2016
Patna:	February, 2016

The draft ESIA reports (the CIA, the Consolidated EA containing the EMPs for maintenance dredging and barge operations; the stand-alone EMPs for Farakka Lock, Sahibganj, Varanasi and Haldia Terminals; and the Executive Summary, and Consolidated Social Impact Assessment cum Resettlement Action Plan) were disclosed on the IWAI website in May 2016.

Based on the comments from stakeholders, the EIA reports were revised in September 2016. These revised versions of the ESIA reports are uploaded on IWAI website in December 2016.

An executive summary of consolidated EA report is available for public scrutiny in local language (Hindi and Bengali) versions at IWAI website. EIA report for entire Jal Marg Vikas Project and its executive summary is also disclosed at IWAI website and as per provisions of World Bank disclosure policies.

Any new investments in future that require use of a safeguard instrument such as an EIA reports will also follow the World Bank operational policies for public consultation and for disclosure.

Public consultations ensured involvement of public, NGO, experts in the project's pre-planning stage itself and addresses of their concerns and expectations from the project. The community members, government officials and NGO members opined that the proposed project would contribute to social and economic development of the region. The proposed project would contribute to increased employment opportunities for the local people during and after project implementation. The communities welcomed the project and all were in favour of the project. However, some of the fishermen and land holders have raised some concerns about the fishing activities/yield and the compensation to be given. Major issues highlighted during consultations were adequate compensation against the land, loss of livelihood, provision of alternate employment, river water pollution, fish yield and disruption of fishing activities. Each of the issues raised by stakeholders was analysed for practical and scientific basis, and for developing an appropriate mitigation, management and monitoring plan, depending on its importance and practicality.

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GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
RAJYA SABHA  
**UNSTARRED QUESTION NO- 126**  
ANSWERED ON- 04.02.2109

**NEW MAJOR PORT AT DUGGARAJAPATNAM**

126. SHRI KANAKAMEDALA RAVINDRA KUMAR:

Will the Minister of SHIPPING be pleased to state:

- (a) whether Government has constituted an Expert Committee to examine the issue(s) related to setting up of new major port at Duggarajapatnam in the State of Andhra Pradesh;
- (b) if so, the details of terms and reference of the Expert Committee;
- (c) whether the Expert Committee has submitted its report to Government; and
- (d) if so, the details thereof?

**ANSWER**

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

- (a) Yes, Sir. Government of India has constituted an Expert Committee to examine the proposal for development of a Major Port in Andhra Pradesh.
- (b) The Terms and Reference (ToR) of the Committee are as under:
  - (i) To undertake a desk study of all possible locations and suggest alternate site/ sites.
  - (ii) To examine the records of discussion as forwarded by NITI Aayog and to study all relevant documents.
  - (iii) To recommend further course of action in the light of Schedule XIII of A.P. Reorganization Act, 2014.
- (c)&(d) The Expert Committee has not submitted its Report to Government.

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