

GOVERNMENT OF INDIA  
MINISTRY OF SHIPPING  
LOK SABHA  
STARRED QUESTION NO.\*324  
TO BE ANSWERD ON 3<sup>RD</sup> JANUARY, 2019

**DEVELOPMENT OF NATIONAL INLAND WATERWAYS**

\*324. SHRI VINCENT H. PALA:

Will the Minister of SHIPPING be pleased to state:

पोत परिवहन मंत्री

- (a) the current status of the development of the 106 new National Inland Waterways declared during 2016;
- (b) the funds allocated for the 20 National Waterways in the North-East Region and the amount that has already been released for the purpose so far; and
- (c) the status of implementation of the Action Plan for Inland Waterways North-Eastern Region-Vision 2020?

**ANSWER**  
MINISTER OF SHIPPING  
(SHRI NITIN GADKARI)

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

**Statement referred to in reply to parts (a) to (c) of Lok Sabha Starred Question No.\*324 for 03.01.2019 raised by Shri Vincent H. Pala, Hon'ble M.P. on "Development of National Inland Waterways"**

(a) Techno – economic feasibility studies have been undertaken for all the new 106 National Waterways (NHs) declared under the National Waterways Act, 2016. Based on the feasibility reports completed so far for the new NWs, Detailed Project Reports (DPRs) of 30 technically viable NWs have been prepared. Their list is at **Annex-I**. Out of these 30 NWs, developmental activities have been initiated on 10 NWs as per details at **Annex-II**.

(b) The funds allocated and expenditure incurred for the development of National Waterways in North Eastern Region from 2014-15 onwards is as under:

(Rs. in crore)

2014-15		2015-16		2016-17		2017-18		2018-19	
Budget Estimates (BE)	Exp.	BE	Exp.	BE	Exp.	BE	Exp.	BE	Exp.
81.70	37.34	90.08	79.39	93.30	74.67	93.00	116.44	120.00	49.15 (upto 30.11.2018)

(c) River Brahmaputra from Dhubri to Sadiya (891 km) was declared as NW-2 in 1988. NW-2 has been developed with fairway of required depth and width, navigational aids, terminal with mechanized handling facilities for loading and unloading of cargo. The details of existing facilities and status of projects under implementation on NW-2 and NW-16 (river Barak) are at **Annex-III**.

19 new inland waterways (11 in Assam; 5 in Meghalaya; 1 each in Arunachal Pradesh, Mizoram & Nagaland) were declared as NWs under the National Waterways Act, 2016 in the North East Region in April, 2016. Phase-1 (Silchar to Bhanga) development works commenced on new NW-16 (river Barak) in 2017-18. The status of work on 19 new National Waterways in NER is at **Annex-IV**.

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

**Final DPRs available for 30 NWs :**

Sl. No.	River/Canal (NW#)	States	Length (km)	DPR's Status
1	GHAGHRA RIVER (NW-40)	U.P & Bihar	354	30 DPRs available
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	

**Development activities initiated on 10 new NWs**

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.
Waterways in Goa 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 four 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.

The following facilities have already been created / constructed / under progress on NW-2 (river Brahmaputra) and NW-16 (river Barak):

NW-2 (river Brahmaputra)

- Navigational channel with least available depth of 2.5 m between Bangladesh Border - Neamati, 2.0 m between Neamati - Dibrugarh and 1.5 m between Dibrugarh - Sadia / Oriumghat is being maintained. For this purpose, IWAI is having two Cutter Suction Dredger (CSD), two Hydraulic Surface Dredger (HSD) and 6 survey launches.
- Multimodal terminal at Pandu with Low Level and High Level Jetty have been created.
- Ro-Ro terminal at Dhubri with RCC Ro-Ro Jetty has been constructed.
- Floating terminal at 11 locations on NW-2 i.e. Hatsingimari, Jogighopa, Pandu, Tezpur, Silghat, Biswanathghat, Neamati, Bogibeel, Sengajan, Oakland/ Dibrugarh and Oriumghat are being maintained.
- Differential Global Positioning System (DGPS) at Dhubri, Jogighopa, Biswanathghat and Dibrugarh have been established for safe navigation.
- Ro-Ro service for providing connectivity between north bank (Dhubri) and south bank (Hatsingimari) of river Brahmaputra. The Ro-Ro service has created a direct link between Assam and Meghalaya enabling trucks/ vehicle to avoid circuitous road route of approx. 220 km through Jogighopa Bridge. The regular Ro-Ro services between Dhubri and Hatsingimari is carried out w.e.f. 01.07.2017.
- Day navigational aids for safe shipping and navigation in entire stretches of NW-2 is being maintained.
- Night navigational aids for safe shipping and navigation in Bangladesh Border– Pandu and Pandu – Silghat stretches of NW- 2 is being maintained.
- River Conservancy Works like bandalling and dredging for maintaining navigable depth in shallow locations are being carried out.
- Fortnightly/ Monthly Thalweg Survey in entire stretches of NW-2 is being conducted.
- Cargo service on NW- 2 is carried out by IWAI through departmental tug and 400 tonne capacity barge (taken from IWT Assam).
- Channelization of navigational route between Burhaburhi to Hatsingimari in Bangladesh Border – Pandu stretch through Water Resource Department, Govt. of Assam is under progress.
- Ro-Ro service between Neamati-Kamlabari with length of 12.7 km by waterway which otherwise takes 410 km of travel by road is operational w.e.f. 11.10.2018.

NW-16 (river Barak)

- 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 (NW-16). Waterway is operational with limited infrastructure facility.

**Annex-IV**

**STATUS OF STUDIES / DEVELOPMENT WORKS IN NEW NATIONAL WATERWAYS : NORTH-EASTERN STATES**

Sl. no	Name of the Waterways	States	Length of the Waterway (km)	Status	
1	BARAK RIVER (NW-16)	Assam	121	DPR available. Dredging work from Ujjainigram to Bhanga- 48 km is under progress	
2	SUBANSIRI RIVER (NW-95)	Assam	111	Stage-I: Feasibility study completed	Stage-II: Work awarded for preparation of DPR. Draft DPR received and comments issued for finalization of report.
3	DHANSIRI / CHATHE RIVER (NW-31)	Assam	110	Stage-I: Feasibility study completed	Numaligarh Refinery Limited (NRL) requested for suggestions/terms of reference for preparation of Techno-Economic Feasibility Report/Fairway development
4	TIZU - ZUNGKI RIVERS (NW-101)	Nagaland	42	Stage-I: Feasibility study completed	Govt. of Nagaland has requested to IWAI for engagement of consultant for preparation of DPR. Tender for appointment is under process.
5	LOHIT RIVER (NW-62)	Assam & Arunachal Pradesh	100	Stage-I: Feasibility study completed. Not found technically feasible.	
6	AAI RIVER (NW-6)	Assam	71	Final hydrographic survey reports received.	Preparation of DPR will be initiated for viable waterways.
7	BEKI RIVER (NW-18)	Assam	73		
8	DEHING RIVER (NW-30)	Assam	114		
9	DIKHU RIVER (NW-32)	Assam	63		
10	DOYANS RIVER (NW-33)	Assam	61		
11	KOPI LI RIVER (NW-57)	Assam	46		
12	PUTHIMARI RIVER (NW-82)	Assam	72		
13	TLWANG (DHALESWARI) RIVER (NW-102)	Assam & Mizoram	86		
14	GANGADHAR RIVER (NW-38)	Assam & West Bengal	62		
15	JINJIRAM RIVER (NW-50)	Assam & Meghalaya	43		
16	GANOL RIVER (NW-39)	Meghalaya	49		
17	UMNGOT (DAWKI) RIVER (NW-106)	Meghalaya	20		
18	SIMSANG RIVER (NW-93)	Meghalaya	62		
19	KYN Shi RIVER (NW-61)	Meghalaya	28		
<b>TOTAL</b>			<b>1334 km</b>		