

GOVERNMENT OF INDIA
MINISTRY OF SHIPPING
RAJYA SABHA
STARRED QUESTION NO- *143
ANSWERED ON- 24.12.2018

DEVELOPMENT OF NATIONAL WATERWAYS

*143. SHRI V. MURALEEDHARAN:

Will the Minister of SHIPPING be pleased to state:

- (a) the details of development of National Waterways during the period from 2014 to 2018;
- (b) the details and present status of waterways projects approved and being implemented in southern States, project-wise;
- (c) whether any proposal has been received from the Kerala Government for development of National Waterway in the State; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF SHIPPING
(SHRI NITIN GADKARI)

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

**STATEMENT REFERRED TO IN REPLY TO PARTS (A) TO (D) OF RAJYA SABHA
STARRED QUESTION NO.*143 FOR 24.12.2018 RAISED BY SHRI V.
MURALEEDHARAN, M.P. ON "DEVELOPMENT OF NATIONAL WATERWAYS"**

(a) Under the National Waterways Act, 2016, 106 new National Waterways (NWs) have been declared, in addition to the existing 5 NWs, for promoting, shipping and navigation on them. In the process, the length of NWs has increased from 4382 km to over 20,000 km. NW-1, 2 and 3 are operational and cargo and passenger are moving on them.

To augment the navigation capacity in the Haldia - Varanasi stretch of NW-1, the Jal Marg Vikas Project is being implemented at an estimated cost of Rs.5369 crore with technical and financial assistance of the World Bank. The project includes fairway development, construction of multimodal terminals, intermodal terminals, Ro-Ro terminals, navigational lock at Farakka, River Information System, vessel repair and maintenance complex etc. The project is to be completed by March, 2023.

On NW-2 (Brahmaputra), Ro-Ro services have been introduced between Dhubri to Hatsingimari and Neamati to Kamlabari.

In Vijaywada to Muktyala stretch on river Krishna on NW-4, the work for fairway development and installation at four terminals is going on and Ro-Ro services have commenced.

To undertake the development on NW-5, DPR has been taken up for Front End Engineering Design (FEED) and EPC tender document for construction of Weirs/ Barrages with navigational locks and check dams between Pankopal and Paradip/ Dhamra (Phase-I).

Out of the 106 new NWs, Detailed Project Reports (DPRs) of 30 technically viable NWs have been prepared as per details at **Annex-I** and development activities have been initiated on 10 new NWs as per list at **Annex-II**.

(b) The present status of development of National Waterways in the Southern States is at **Annex-III**.

(c) & (d) The Government of Kerala has submitted a proposal for further expansion of NW-3, from Kollam to Kovalam 78 km in the south, and from Kozhikode to Bekal 205 km in the north. It has been decided to first undertake the development in the existing stretch of NW-3 and not to extend it further.

LIST OF 30 NATIONAL WATERWAYS HAVING DPR's

| Sl. no. | River/Canal (NWs) | 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 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 -I 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 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. |

STATUS OF DEVELOPMENT OF NATIONAL WATERWAYS IN SOUTHERN STATES

| Sl. No. | River/Canal (NWs) | States | Length (km) | Status | | |
|---|---|--|---|--|----|----------------------------------|
| 1. | National Waterway 3: | Kerala | | | | |
| | West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals | | 205 | Fully operational | | |
| | West Coast Canal (Kottapuram - Kozhikode) | | 170 | Study in Progress | | |
| 2. | National Waterway 4: | Andhra Pradesh, Telangana, Chhattisgarh, Karnataka, Tamil Nadu, Pondichery and Maharashtra | 2890 | | | |
| | Krishna river (Wazirabad to Vijayawada) | | 157 | Phase-1 Development activities initiated | | |
| | Kakinada Canal (Kakinada to Rajahmundry) | | 50 | DPRs available | | |
| | Godavari river (Bhadrachalam to Rajahmundry) | | 171 | | | |
| | Eluru Canal (Rajahmundry to Vijayawada) | | 139 | | | |
| | Commamur Canal (Vijayawada to Peddaganjam) | | 113 | | | |
| | North Buckingham Canal (Peddaganjam to Central Station of Chennai) | | 316 | | | |
| | South Buckingham canal (Central Station of Chennai to Marakanam) | | 110 | Feasibility study completed | | |
| | Marakanam to Puducherry through Kaluvelly tank | | 22 | | | |
| | River Godavari (Bhadrachalam - Nashik) | | 1202 | | | |
| | River Krishna (Wazirabad - Galagali) | | 636 | | | |
| | 3. | | Alappuzha – Kottayam – Athirampuzha Canal (NW-9) : | Kerala | 40 | Development activities initiated |
| | 4. | | Waterways in Goa NW-27-Cumberjua NW 68 – Mandovi NW 111 – Zuari | Goa | 17 | Development activities initiated |
| 5. | 41 | | | | | |
| 6. | 50 | | | | | |
| 7. | Chapora River (NW-25) | | 25 | DPRs available | | |
| 8. | Mapusa - Moide River (NW-71) | | 27 | | | |
| 9. | Alappuzha- Changanassery Canal (NW-8) | Kerala | 29 | DPRs available | | |
| 10. | Kottayam-Vaikom Canal (NW-59) | | 19 | | | |
| 11. | Kabini River (NW-51) | Karnataka | 23 | DPR available | | |
| 12. | Netravathi River (NW-74) | | 30 | DPRs under Preparation | | |
| 13. | Kali River (NW-52) | | 53 | | | |
| 14. | Sharavati River (NW-90) | | 29 | | | |
| On completion of Feasibility Studies, following NWs found not feasible for shipping and navigation: | | | | | | |
| 1 | Pennar River (NW-79) | Andhra Pradesh | 28 | Not feasible | | |
| 2 | Panchagangavali (Panchagangoli) River (NW-76) | Karnataka | 23 | | | |
| 3 | Udayavara River (NW-105) | Karnataka | 15 | | | |
| 4 | Sal River (NW-88) | Goa | 14 | | | |
| 5 | Kaveri - Kollidam River System (NW-55) | Tamil Nadu | 311 | | | |
| 6 | Palar River (NW-75) | Tamil Nadu | 142 | | | |
| 7 | Pazhyar River (NW-77) | Tamil Nadu | 20 | | | |
| 8 | Ponniyar River (NW-80) | Tamil Nadu | 126 | | | |
| 9 | Tamaraparani River (NW-99) | Tamil Nadu | 62 | | | |