

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
LOK SABHA
UNSTARRED QUESTION NO- 4944
ANSWERED ON 31/03/2023

DEVELOPMENT OF NATIONAL WATERWAYS

4944. SHRI HIBI EDEN:

Will the Minister of PORTS, SHIPPING AND WATERWAYS be pleased to state:

पत्तन, पोत परिवहन और जलमार्ग मंत्री

- (a) the present status of progress made so far in the development of the already declared National waterways;
- (b) whether the Government has taken any step on priority basis to implement the development process of National Waterway (NW) No. 3, if so, the details thereof along with the steps being taken therefor;
- (c) whether the Government has taken any steps to promote the development of the national waterway portion within the Ernakulam parliamentary constituency;
- (d) if so, the details including the estimated expenditure, name of the project and location during each of the last three years; and
- (e) whether the Government has any plans to allocate additional resources for the development of the national waterway portion in Ernakulam, if so, the details thereof?

ANSWER

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

- (a) The present status of progress made in the development of the already declared National waterways as on 28.02.2023 is at **Annexure-1**.
- (b) Steps taken for development of National Waterway-3 (NW-3) are detailed at **Annexure-2**.
- (c) As the part of development of the National Waterway-3, steps taken in Ernakulam District are detailed at **Annexure-3**.

(d) The expenditure incurred on the projects for development of NW-3, 8 & 9 in Kerala (including the project in Ernakulam district) during the last three years is detailed here under:

BudgetHead/Waterways	(inCroreRs.)		
	2019-20	2020-21	2021-22
NW-3(WestCoastCanal),NW-8 &NW-9inKerala	26.06	21.52	10.83

(e) For continuation of on-going works of fairway development, Operations and Maintenance (O&M) of terminals and navigational aids etc. of NW-3 (including the portion in Ernakulam), Rs. 20 Crore has been approved under Delegated Investment Board (DIB) appraised projects.

Annexure-1

**Development works taken up by Inland Waterways Authority of India (IWAI) on
National Waterways (NWs)**

Sr. No.	Works on NWS													
1	<p>JalMargVikas Project (JMVP) on NW-1 (Varanasi-Haldia stretch, 1390 km) at the cost of Rs. 5369.18 Cr. approved by Cabinet Committee on Economic Affairs (CCEA) on 03.01.2018. Major Components are:</p> <table border="1" data-bbox="326 689 1507 1492"> <tr><td>Sub Project with States</td></tr> <tr><td>MMT Varanasi (Uttar Pradesh)</td></tr> <tr><td>MMT Sahibganj (Jharkhand)</td></tr> <tr><td>MMT Haldia (West Bengal)</td></tr> <tr><td>New Navigational Lock Gate at Farakka (West Bengal)</td></tr> <tr><td>IMT Kalughat (Bihar)</td></tr> <tr><td>Development of Community Jetty in Uttar Pradesh</td></tr> <tr><td>Fairway Development</td></tr> <tr><td>Farakka – Kahalgaon stretch (146 Km) – (W.B., Jharkhand & Bihar)</td></tr> <tr><td>Sultanganj – Mahenderpur stretch (74km)- (Bihar)</td></tr> <tr><td>Mahenderpur – Barh stretch (71 Km)- (Bihar)</td></tr> <tr><td>Channel Stabilization Works at 7 locations (JMVP-II)-(U.P.)</td></tr> <tr><td>Tendering process for development of fairway for the remaining stretches initiated (W.B., Bihar & U.P.).</td></tr> </table> <p>Arth Ganga (JMVP-II) has been conceptualised to energize socio-economic-development along the banks of National Waterway-1 including river Hooghly. Project implementation under JMVP-II may play a vital role in improving the livelihoods of communities living along the river with an aim to integrate people's participation and economic development with Ganga rejuvenation. This programme under JMVP-II will provide simple logistics solutions for small farmers, fishery units, unorganized farm producing units, horticulturists, florists and artisans to reach the nearest market place, which would steer a massive economic revolution in the region generating substantial employment.</p>	Sub Project with States	MMT Varanasi (Uttar Pradesh)	MMT Sahibganj (Jharkhand)	MMT Haldia (West Bengal)	New Navigational Lock Gate at Farakka (West Bengal)	IMT Kalughat (Bihar)	Development of Community Jetty in Uttar Pradesh	Fairway Development	Farakka – Kahalgaon stretch (146 Km) – (W.B., Jharkhand & Bihar)	Sultanganj – Mahenderpur stretch (74km)- (Bihar)	Mahenderpur – Barh stretch (71 Km)- (Bihar)	Channel Stabilization Works at 7 locations (JMVP-II)-(U.P.)	Tendering process for development of fairway for the remaining stretches initiated (W.B., Bihar & U.P.).
Sub Project with States														
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	<p>Sub-Projects status under JMVP-II is as under:</p> <ul style="list-style-type: none">• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – I (Uttar Pradesh)• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – II (Bihar & Jharkhand)• Development of Community Jetties (HDPE, Steel & concrete) on NW-1 Cluster – III (West Bengal)• Construction of 5 pairs of Ro-Ro terminals- NIT issuance by June 2023• Supply of FRP (12 nos.) and Inspection Boats (04 nos.)- FRP boats (12 Nos.)• O&M and CAMC of River Information Systems (RIS) System in Sagar-Farakka stretch at a cost of Rs. 10.92 cr. awarded in June 2022.• Renovation and Modernization of Existing Navigation Lock at Farakka
2	<p>Comprehensive Project for development of National Waterway (NW)-2:</p> <ul style="list-style-type: none">• National Waterway 2 (NW-2) is a section of the Brahmaputra River having a length of 891 km between Dhubri (Bangladesh Border) and Sadiya (Assam).• A project @ 474 Crore has been approved for comprehensive development of NW-2. The project includes fairway development, construction of terminals at Joghichopa and Bogibeel besides other activities viz., Fairway Development, O&M of Terminals & Vessels etc.• Also, a project for Construction of Ship Repair Facility at Pandu, Guwahati in Assam @ cost of Rs. 208 Crore & Alternate approach road to Pandu Port in Guwahati @ cost of Rs. 180 Crore has been approved for implementation.
3	<p>Comprehensive Project for development of NW-16 & IBP route:</p> <ul style="list-style-type: none">• National Waterway-16 (NW-16) is a section of River Barak having a length of 121 km from Bhanga to Lakhipur including Indo Bangladesh Protocol Route IBP route in India.• A project @ 148 Crore has been approved for comprehensive development of NW-16 & IBP. The project includes fairway development, construction of

	terminals at Sonamura on Gumti River and Maia on Ganga River. It also includes up-gradation of Badarpur and Karimganj terminals.
4	NW-3 (West Coast Canal, Champakara&Udyogmandal Canals) projects -
(i)	Construction of new Navigational Lock at Thrikkunnapuzha, at a cost of Rs. 38 crore.
(ii)	Execution of balance capital dredging and widening in Edappallikotta and Kollam stretch, at a cost of Rs.6.75 cr.
(iii)	Operation and maintenance works of fairway, terminals, navigational aids and vessels on annual basis on the waterway.
5	Projects on part of NW-4 {Krishna River Vijayawada – Muktyala Stretch}): Projects completed so far include fairway development works in the Vijayawada-Muktyala stretch of river Krishna, fabrication /installation of four floating pontoons and land acquisition for the Ro-Ro terminals at Harshchandrapuram and Muktyala. Land acquisition for the Ro-Ro terminal at Ibrahimpatnm is underway with the State Govt. of Andhra Pradesh for which fund has been transferred.
6	Projects on part of NW-5 fromPankapal - Dhamra Port – Mangalgadi– Paradip Port covering 212 km is being developed in phase-I with the following activities: <ul style="list-style-type: none"> a) Monthly Longitudinal Thalweg Survey for assessing depth and horizontal / vertical clearance for cross structures / bridges (212 km). b) Consultancy / Work has been initiated / completed for: <ul style="list-style-type: none"> Preparation of Detailed Project Report (DPR) followed by Front End Engineering Design (FEED) for hydraulic interventions, modification of cross structures for navigational clearances. Environmental clearance (EIA & EMP) including CRZ and Wildlife Clearance - MoEF&CC informed on 05th Jan, 2021 that no EC is required. Only CRZ & Wild life clearances are to be obtained from Govt. of Odisha. • Navigational clearance below existing power lines from Dhamra / Paradip to Pankapal on deposit basis through Govt. of Odisha is nearing completion. • Under New initiative movement of Gypsum started from IFFCO Riverine Jetty on NW-64 (Mahanadi) to Paradip Port (NW-5). Nearly 1,55,181 MT have been shipped till 31st October 2022. This will clear the huge accumulation of (approx. 52 million MT) gypsum at the IFFCO plant. MoU signed between IWAI and UltraTech cement for transport of the gypsum to its plants around Hooghly-

	<p>Ganga River systems in West Bengal and Bihar.</p> <ul style="list-style-type: none"> • An EoI has been published for development of the waterway transport on rivers Brahmani (NW-5) and Mahanadi (NW-64) under PPP for connecting Ports of Paradip and Dhamra to Kalingnagar - Talcher mining and industrial areas. 	
7	<p>NW-8 (Alappuzha- Changanassery Canal)- Development proposed as per DPR recommendations. 24 hours navigational aids (15 nos.) provided at critical locations and being maintained.</p>	
8	<p>NW-9 (Alappuzha - Kottayam – Athirampuzha Canal)- Development of the waterway at an estimated cost of INR 1.60 crore has commenced in 2017-18. Night navigation facilities (25 nos.) have been installed and maintained.</p>	
9	NW-27 Cumberjua River	<p>NWs of Goa are operational under a Tripartite MoU with Govt. of Goa, Mormugao Port Authority & IWAI. Development of NWs in Goa at an estimated cost of INR 22.65 crore has commenced. Work for installation of 04 nos. floating Jetties amounting to Rs.11.33 crores on river Mandovi and river Chapora taken up. In addition, a fund of Rs 6.84 Crore has been released to Mormugao Port Authority on 02.04.2022 for induction of navigational Aids. A provision of Rs. 15 cr. has been made till 2023-24.</p>
10	NW-68 Mandovi River	
11	NW-111 Zuari River	
12	<p>NW-40 (River Ghagra -Ayodhya to Ghagra-Ganga Confluence)- An amount of Rs. 11.60 cr. has been approved for fairway development by bandalling and day channel marking, creation of floating terminals and monthly surveys. Scheme at a cost of Rs. 3.12 cr. has been sanctioned during 2022-23 for development under Phase-I of the waterway.</p>	
13	<p>NW-86 {Rupnarayan River (PratapPur to Geonkhali) in West Bengal}- Development of the waterway at an estimated cost of INR 24.00 crore has commenced. Improvement to road from NH to water front terminal at Kolaghat at a cost of Rs.15.45 crore is being executed by Irrigation Dept., Govt. of West Bengal on deposit basis. Floating pontoon jetty is under construction for facilitating loading and unloading of fly-ash cargo. Permanent terminal is also proposed at Kolaghat for which land acquisition completed in June 2022 and development is considered</p>	

	through annual scheme.
14	NW-97 {Sunderbans Waterway (Namkhana to AtharaBankiKhal) in West Bengal}- Development of waterway at an estimated cost of INR 18.10 crore has commenced. Navigational marks/buoys have been provided and maintained. Waterway is part of Indo-Bangladesh Protocol route and already operational for vessels.
15	NW 52 Kali River (Kodasalli Dam to Sadashivgad Bridge, Arabian Sea) in Karnataka through State Govt.- (Released fund of Rs.2.70 crore to Director, Port & IWT Dept., Karwar, Govt. of Karnataka on 12.08.2021 (FY 2021-22) for development of NW-52 (river Kali) on deposit basis through Govt. of Karnataka towards providing floating jetty (2 nos.) viz., Sadashivgad and Katne village (at a cost of Rs.2.54 crore) and navigational aids (at a cost of Rs.0.16 crore) for tourism promotion.
16	NW 44 Ichamati River (Bridge at Gobra to Bansjhari near Bangladesh Border) -As per the DPR prepared on Ichamati river (NW-44), development of waterway proposed in 10 Km stretch from Bansjhari, Mallikpur (Ch. 0 Km) to Parnaihati (Ch. 10 Km) in Class-III standards and hydrographic survey activities in progress in above stretch.
17	NW 57 Kopili River (BanthaiGaonTinali Bus Stop to Chandrapur No.2 confluence with Brahmaputra) - Development of Navigational route of 10 km stretch of NW-56 has been assigned to Dredging Corporation of India (DCI).
18	NW 31 Dhansiri River (Morongi T.E. village Bridge to Numaligarh) -Dredging of River Dhansiri to facilitate ODC / OWC and project cargo movement assigned to Dredging Corporation of India (DCI).

Annexure-2

The present status of ongoing development works in the National Waterway-3 in Kerala

Name of the Project	Status of Project
<u>(A) NW-3 (West Cost Canal Kottappuram-Kollam Canal, Champakara-Udyogamandal Canal)</u>	
a. Construction of new Navigational Lock at Thrikkunnapuzha, at a cost of Rs. 38 Cr.	Entrusted to State Irrigation Department 61 % progress achieved as on 28.02.2023
b. Construction of Road over Bridge at Kovilthottam, at a cost of Rs.5.55 Cr (on 50% cost sharing basis with KMML).	Entrusted to Harbour Engineering Department Govt. of Kerala.
c. Execution of balance capital dredging and widening in Edappallikotta and Kollam stretch, at a cost of Rs.6.75 Cr.	Tendering was cancelled due to non-eligibility of bidders. Retendering initiated
d. Lifting of 5 nos. High Tension Lines across Champakkara canal entrusted to Kerala State Electricity Board at a total cost of Rs. 5.15 Crore in February 2019.	The work taken up through Kerala State Electricity Board. 80% progress achieved.
e. Repair of 40' Navigational lock at Thanneermukkom entrusted to Irrigation Department, Govt. of Kerala at a total project cost of Rs. 2.85 Crores.	Work completed by State Irrigation Department in January 2020.
f. Lifting of High Tension Line at Karuthedam in Kochi – Kottappuram stretch entrusted with KSEB at a total cost of Rs. 1.12 Crores.	Work completed in January, 2020.
g. Annual fairway maintenance works in NW-3 at a cost of Rs.7.42 cr. is approved during the FY 2021-22.	Annual maintenance works at a cost of Rs.10.83 cr. commenced in April 2022 for F.Y. 2022-23
h. Operation and maintenance of IWT terminals in NW-3, at a cost of Rs.2.28 cr. is approved during the FY 2021-22.	

Annexure-3

As the part of development of the National Waterway-3, following activities are going on in Ernakulam District-

- Procurement and operation of 2 Nos. of Ro-Ro vessels vessels namely MV C.V Raman and MV Adishankara provided by IWAI for operation by KSINC between Bolghatty and Willingdon Island since Feb., 2021,
- Maintenance dredging in Udyogamandal Canal,
- Repair of Bolghatty terminal,
- Construction of Rip-Rap type bank protection work at Udyogmandal Canal in NW-3 for a length of about 400 m. The work is expected to complete by February 2023.
- Construction of Pile and Slab type bank protection at Champakkara Canal near Thykoodam Bridge for a length of 300 m and it is expected to complete by June 2023.
- Maintenance of 24 hrs. navigational system in Chmapakara Canal, Udyogmandal Canal in West Coast Canal.
- Maintenance dredging at Thevara in Champakara Canal for 20,000 cum which is expected to complete by May 2023.
