

GOVERNMENT OF INDIA
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
RAJYA SABHA
UNSTARRED QUESTION NO- 2206
ANSWERED ON- 15/03/2021

FUNDS RELEASED FOR IWAI

2206. SHRI B. LINGAIAH YADAV:

Will the Minister of **Ports, Shipping and Waterways** be pleased to state:

- (a) the details of progress made along with announcement/ implementation/ execution of the Inland Waterways Authority of India (IWAI) projects phase-wise and States covered/ beneficiaries listed and criteria adopted along with funds sanctioned/ released and the results yielded so far, sector-wise during the last six years and current year-wise as on date;
- (b) the demand received/ action taken from States, year-wise; and
- (c) the details of future action plan in this regard?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR PORTS, SHIPPING AND WATERWAYS
(SHRI MANSUKH MANDAVIYA)

- (a) Details of announcements in respect of Inland Water Transport (IWT) are at **Annex.-1**. The projects (in addition to regular ongoing IWT development works) under implementation/ execution phase-wise, States covered as beneficiaries, criteria adopted, fund sanctioned/ expenditure incurred and the result yielded in the form of cargo-movement sector-wise specifically in the light of the announcements, during six years and current year-wise are detailed at **Annex.-2**.
- (b) Demand received from States and action taken by Inland Waterways Authority of India (IWAI), an Autonomous Organization, under Ministry of Ports, Shipping & Waterways are detailed at **Annex.-3**.
- (c) Action plan for development of National Waterways (NWs) has been prepared based on the outcome of techno-economic feasibility and Detailed Project Reports (DPRs) completed and 23 NWs have been found viable for cargo movement. The list of the 23 NWs viable for cargo movement is at **Annex-4**. Development activities have been initiated in 13 NWs out of the 23 viable NWs.

Details of Announcements in respect of Inland Water Transport -

1. **10.07.2014-** During Budget speech 2014-15, Hon'ble Finance Minister made an announcement in his Budget Speech 2014-15 that a project on river Ganga called 'Jal Marg Vikas' would be developed.

2. **27.05.2016-** Hon'ble Prime Minister announced - The Government has been focusing on the development of the North East Region through Act East Policy. As part of this policy, we are focusing on reducing the isolation of the region by improving all round connectivity through road, rail, telecom, power and waterways sector.

3. **Budget announcement 2019-20-** We need to develop our inland waterways to shift a significant portion of inland cargo movement from road and rail. This Government envisions using the rivers for cargo transportation, which will also help to decongest roads and railways. As part of the Jal Marg Vikas Project for enhancing the navigational capacity of Ganga, a multi modal terminal at Varanasi has become functional in November, 2018 and two more such terminals at Sahibganj and Haldia and a navigational lock at Farakka would be completed in 2019-20. The movement of cargo volume on Ganga is estimated to increase by nearly four times in the next four years. This will make movement of freight, passenger cheaper and reduce our import bill.

4. **Budget Announcements 2020-21-** (a) Inland Waterways received a boost in the last five years. The Jal Marg Vikas on National Waterway-I will be completed.

Further, the 890 Km Dhubri-Sadiya connectivity will be done by 2022.

Developing waterways has its impact on the eco-system on both the banks of the river.

(b) Our Prime Minister has conceptualized "Arth Ganga". Plans are afoot to energize economic activity along river banks.

The projects (in addition to regular ongoing IWT development works) under implementation in the light of the announcements detailed under Annex.-1:

1. Jal Marg Vikas Project (JMVP) at a revised estimated cost of Rs. 4633 crore for capacity augmentation of navigation on National Waterway-1 (NW-1) on the Haldia – Varanasi stretch of Ganga-Bhagirathi-Hooghly River System with the technical and financial assistance of the World Bank. Status of implementation of JMVP is as detailed:

(i) Jal Marg Vikas Project (JMVP)- Phase-I:

The project implementation is progressing as per time schedule with completion scheduled in December, 2023. The project has achieved an overall financial progress of about 39.15% of the revised cost of JMVP and the physical progress is about 40.85%. Present status of civil works is as under:

- Constructions of multi-modal terminals at Varanasi and Sahibganj have been completed and that of the multimodal terminal at Haldia and the Navigational Lock at Farakka have achieved substantial physical progress with 96.85% and 80.37% respectively.
- Contracts for providing Least Assured Depth of 3 m and bottom channel width of 45 m on the stretch between Farakka – Kahalgaon, Sultanganj-Mahendrapur and Mahendrapur-Barh have been awarded on 09th April, 2018, 12th April, 2019 and 12th April, 2019 respectively and are currently in progress with financial progress of Rs. 82.92 crore (out of 177 crore), Rs. 28.83 crore (out of Rs. 159.30 crore) and Rs. 30.19 crore (out of Rs. 182.90 crore) respectively.

(ii) Jal Marg Vikas Project (JMVP)- Phase-II:

Further, the program objectives of “Arth Ganga” as announced by Hon’ble Prime Minister have been aligned with the project development objectives of JMVP Phase-II. This program includes development of floating community jetties, Ro-Ro and Ro-Pax jetties, modernization of existing navigation lock at Farakka, river cruise & passenger ferry terminals including their road linkages along the NW-1 with a total estimated cost of Rs. 746 crore. The program also aims at enhancing connectivity between local communities/ stakeholders and their small/ micro business located along the banks on NW-1 to the nearest urban and market centers through NW-1 with an overall objective of socio – economic development of the region. Institutional and sectoral capacity enhancement is also part of Arth Ganga program.

2. Development of the North East Region through waterway connectivity:

(i) Status of the IWT projects for connectivity to NER from 2014 :

Sl. No.	Name of Project	Status
A	Brahmaputra River (NW-2)	
1	Annual Fairway Development and Maintenance Work	This work includes regular annual activities such as Hydrographic Survey, Bandalling, dredging, operation, management and manning of vessels already deployed on NW-2 on yearly basis.
2	O & M of Navigation aids	The Operation & Maintenance of day navigational aids, night navigational aids and Differential Global Positioning System (DGPS) stations which have already been established is taken up as regular annual activities.
3	O & M of Terminals	Two permanent and 11 floating terminals were constructed as per details mentioned below: Permanent Terminals: (i) Pandu, and (ii) Dhubri Floating Terminals: (i) Hatsingimari (ii) Dhubri (iii) Jogighopa, (iv) Tezpur (v) Silghat (vi) Biswanathghat (vii) Neamati (viii) Sengajan (ix) Bogibeel (x) Dibrugarh/ Oakland, and (xi) Oriumghat.

4	Acquisition of four Ro-PAX vessels (200 passengers, 2 trucks and 4 cars)	Vessels have been handed over to Govt. of Assam and inaugurated by Hon'ble Prime Minister in February, 2021.
5	Construction of ship repair facility (Slipway) at Pandu.	For development of a ship repair facility through PPP mode, no tangible progress has been made. Cochin Shipyard Limited (CSL) has been requested to take up the work.

B: Barak river (NW-16)

1	Dredging & providing fairway maintenance for a least available depth of 2 m along with navigational aids between Sridharpur (95 km) to Bhanga (121 km) – Stretch C	Development at a cost of Rs. 76.01 crore for Phase-I of NW-16 from Silchar to Bhanga has been commenced. This includes maintenance dredging (completed as per requirement), upgradation of terminals at Badarpur and Karimganj. Waterway is operational with limited infrastructure facility.
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C. Indo-Bangladesh Protocol (IBP) Route:

Dredging for the development of fairway from Sirajganj to Daikhowa (175 km) and Ashuganj to Zakiganj (295 km) on Indo-Bangladesh Protocol route has commenced for providing 2.5 m depth & 30 m wide navigational channel as per Memorandum of Understanding (MoU) signed on 08th April, 2017 between Govt. of India and Bangladesh for 07 years at cost sharing of 80:20. The dredging has commenced from March, 2019 in Ashuganj-Zakiganj stretch with 40.33% upto January, 2021 and April, 2019 in Sirajganj-Daikhowa stretch with 66.65% upto January, 2021.

3. Funds Sanctioned and Expenditure incurred specifically for both JMVP and NER region for development of inland water sector in last 6 years & current year, are as detailed:

Year	Projects Name		Fund Sanctioned (Rs. in Crore)	
	JMVP on NW-1 (Varanasi to Haldia) in U.P., Bihar, Jharkhand & West Bengal		National Waterway-2 (NW-2) (River Brahmaputra), IBP Route & NW-16 (river Barak) and studies for 18 new NWs w.e.f, 12.04.2016 in Assam and NER	
	Grants	Exp.	Grants	Exp.
2014-15	78.22	0.78	40.00	38.932
2015-16	216.72	141.44	77.80	77.80
2016-17	100.01 + 201.90 (EBRs)	301.91	93.30	80.50
2017-18	75.00 + 273.53 (EBRs)	348.53	103.3242	118.97
2018-19	420.54 + 10.39 (EBRs)	430.93	105.00	106.54
2019-20	230.00 + 231.82 (EBRs)	461.82	52.50	58.43
2020-21 (As on Feb. 2021)	261.50	196.125	32.00	24.00

4. Results yielded by the way of cargo movement on NW-1 and NW-2 since last 6 years is as detailed-

National Waterway	Cargo movement (Lakh Tonnes)						
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21(till 31.01.21)
NW-1	50.6	64.8	48.9	54.8	67.9	91.1	65.89
NW-2	5.2	6.0	6.1	5.6	5.0	3.9	2.0

Demand received from States and action taken by IWAI

Sl. No.	Month / Year	Demands from States	Action taken
1	April - 2018	Arunachal Pradesh: Submission of the proposal to conduct survey/ studies in major rivers of Arunachal Pradesh under Central Sector Scheme for Inland Water Transport Sector for North Eastern States.	Proposal did not contain requisite any financial implications is for conducting survey in inland waterways. Govt. of Arunachal Pradesh was informed accordingly and requested to finalize the proposal under CSS.
2	May- 2020	Mizoram: Proposal for execution of project for development of IWT on river Khawthlangpui (Karnaphuli-river Tuichawng) in Lunglei district in Mizoram under CSS.	The proposal has been examined by IWAI and recommended initially for Phase-I at a revised estimated cost of Rs. 6,17,86,576.
3	December- 2019	Himachal Pradesh: Construction of 4 nos. jetties of transport department at Sunni district Shimla, near village Ramdhol, at Tatapani and at village Kasol district Mandi (HP) at a cost of Rs. 1,98,54,200/- only.	The proposal has been examined by IWAI and found unviable as the jetties proposed on the waterways of Himachal Pradesh were not found feasible for cargo movement as per the study completed by IWAI.
4	March- 2020	Kerala: Additional Chief Secretary, Govt. of Kerala conveyed that an amount of Rs. 1358 crore required for reconstruction of cross structures such as bridges, foot over bridges, HT and LT lines, regulator cum bridge, barrages, navigational locks and water pipelines etc. as per IWAI norms in NW-3 (extended portion), NW-8, NW-9 and NW-59.	The proposal has been examined by IWAI and it was suggested to include the cost of infrastructure required by Govt. of Kerala for inclusion in the DPR of respective National Waterways.
5	December- 2020	Karnataka: Four nos. proposals amounting Rs. 59.90 crore for development of waterways of Karnataka.	The proposal has been examined and it was found that 2 proposals out of 4 submitted by the Govt. of Kerala costing Rs. 22.7 crore are related to declared National Waterways for which studies have been completed and categorized under category 'B' & 'C'. Only 1 proposal costing Rs. 10.2 crore on NW-52 has been found feasible for tourism purpose.
6.	January- 2021	Rajasthan: Proposal for development of eco-tourism by proposed river cruise service in Chambal river of Kota Barrage.	Webinar held by IWAI on 06.01.2021 regarding potential of river cruise tourism in Chambal river with officers of Central and State Govt. of Rajasthan including prospective stakeholders. IWAI to provide technical assistance like survey and establishment of jetty and project will be developed by Govt. of Rajasthan and no financial assistance is requested.

LIST OF 23 NATIONAL WATERWAYS FOUND FEASIBLE FOR CARGO MOVEMENT

Sl. No.	National Waterway No.	Length (km)	Details of Waterways	STATES	Status
1	National Waterway 1	1620	Ganga-Bhagirathi-Hooghly River System (Allahabad-Haldia)	Uttar Pradesh, Bihar, Jharkhand & West Bengal	Development taken up with Assistance from World Bank Jal Marg Vikas Project
2	National Waterway 2	891	Brahmaputra River (Dhubri - Sadiya)	Assam	Development taken up as per approved SFC for FY 2020-21 to 2024-25
3	National Waterway 16	121	Barak River	Assam	
4	National Waterway 3	205	West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals	Kerala	Mostly Operational Waterways and development and maintenance work taken up.
5	National Waterway 4	82	Krishna River (Vijayawada - Muktyala)	Andhra Pradesh	
6	National Waterway 5	233	Dhamra-Paradip via Mangalagadi to Pankopal	Odisha	
7	National Waterway 8	29	Alappuzha- Changanassery Canal	Kerala	
8	National Waterway 9	40	Alappuzha-Kottayam - Athirampuzha Canal	Kerala Alternate route: 11.5km	
9	National Waterway 27	17	Cumberjua River	Goa	
10	National Waterway 68	41	Mandovi River	Goa	
11	National Waterway 86	72	Rupnarayan River	West Bengal	
12	National Waterway 97	172	Sunderbans Waterway	West Bengal	
13	National Waterway 111	50	Zuari River	Goa	
14	National Waterway 10	45	Amba River	Maharashtra	Work to be taken subsequent to SFC/ EFC approval.
15	National Waterway 44	63	Ichamati River	West Bengal	
16	National Waterway 52	53	Kali River	Karnataka	
17	National Waterway 57	50	Kopili River	Assam	Substantial cargo moves in tidal waters/ river mouth under respective State Maritime Board. No interventions are contemplated by IWAI as of now.
18	National Waterway 73	226	Narmada River	Maharashtra & Gujarat	
19	National Waterway 83	31	Rajpuri Creek	Maharashtra	
20	National Waterway 85	31	Revadanda Creek - Kundalika River System	Maharashtra	
21	National Waterway 91	52	Shastri River - Jaigad Creek System	Maharashtra	
22	National Waterway 94	141	Sone River	Bihar	
23	National Waterway 100	436	Tapi River	Maharashtra & Gujarat	
