

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**RAJYA SABHA**

**UNSTARRED QUESTION NO. 881**

ANSWERED ON 11.12.2023

**INTER-LINKING OF RIVER PROJECTS**

881. Dr. Kanimozhi NVN Somu

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) the details of the steps being taken by Government for inter-linking of river projects in the country, river-wise;
- (b) the projects identified, the funds sanctioned and spent thereon during the last five years; and
- (c) the details of the benefits in respect of irrigation, drinking water supply and hydro power generation through these projects along with the estimated cost thereof?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI BISHWESWAR TUDU)

**(a) to (b)** Under the National Perspective Plan (NPP), prepared in the year 1980 for inter-basin water transfer, the National Water Development Agency (NWDA) has identified 30 links (16 under Peninsular Component & 14 under Himalayan Component) for preparation of Feasibility Reports. Out of 30 identified link projects, Pre - Feasibility Reports (PFRs) of all the 30 links, Feasibility Reports (FRs) of 24 links and Detailed Project Reports (DPRs) of 11 links have been completed. Details and current status of the proposals for inter-State linking of rivers under the Inter Linking of Rivers (ILR) Programme is furnished at **Annexure-I**.

The Government has been pursuing the inter-linking of rivers (ILR) program in a consultative manner and has accorded top priority to it. A "Special Committee on Interlinking of Rivers" has been constituted in September, 2014 for the implementation of ILR programme. Twenty meetings of the Special Committee have been held so far. Further, a "Task Force for Interlinking of Rivers" was also constituted in April, 2015 for expediting the works under ILR programme and 18 meetings of the Task Force have been held so far.

Ken-Betwa Link project (KBLP) is the first ILR project, for which implementation has been initiated. In December, 2021, the project was approved by the Government of India for implementation at an estimated cost of Rs. 44,605 crore (at year 2020-21 price level), including a central support of Rs. 39,317 crore. During the financial year 2021-22, the budget allocation made for implementation of KBLP was Rs. 4,642.03 crore, while the expenditure made was Rs. 4,639.46 crore. During the financial year 2022-23, a budget allocation of Rs. 1,400 crore was made for the project, while the expenditure out of the central grants made was Rs.622.43 crore. For financial year 2023-24, a budget allocation of Rs. 3,500 crore has been made for KBLP, while the expenditure made out of the central grants upto 30.11.2023 is Rs.468.31 crore.

A statement of expenditure on various studies, surveys and investigation works, etc. done by the NWDA for ILR projects for last five years is furnished at **Annexure-II**.

(c) The implementation of the ILR projects under NPP will give benefits of 25 million hectare (ha) of irrigation from surface waters, 10 million ha by increased use of ground waters, apart from generation of 34 million Kilowatts of hydro power and other benefits of flood control, navigation, augmentation of water supply, fisheries, salinity, pollution control and employment generation, etc. Overall, the implementation of ILR projects, as per the NPP, would help in harnessing and transfer of 166 Billion Cubic Metres of water and would entail an estimated cost of Rs. 8.44 lakh crore (at year 2015-16 price level).

As regards the KBLP, this link project envisages providing annual irrigation to an area of 10.62 lakh ha (8.11 lakh ha in Madhya Pradesh and 2.51 lakh ha in Uttar Pradesh). It will provide 194 Million Cubic Metre (MCM) of water for enroute drinking water supply to a population of 62 lakh (41 lakh in Madhya Pradesh and 21 lakh in Uttar Pradesh) and will have an installed power generation capacity of 103 megawatt. The estimated cost of the project is Rs. 44,605 crore (at year 2020-21 price level).

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**ANNEXURE REFERRED TO IN REPLY TO PART (a) TO (b) OF UNSTARRED QUESTION NO. 881 TO BE ANSWERED IN RAJYA SABHA ON 11.12.2023 REGARDING “INTER-LINKING OF RIVER PROJECTS”.**

**Details and current status of the ILR Projects under the NPP**

<b>Sl. No</b>	<b>Name</b>	<b>States benefited</b>	<b>Status</b>
1	a. Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	Andhra Pradesh (AP) & Odisha	FR completed
	b. Alternate Mahanadi (Barmul) - Rushikulya – Godavari (Dowlaiswaram) link	AP & Odisha	FR completed
2	Godavari (Polavaram) - Krishna (Vijayawada) link	AP	FR completed
3	a) Godavari (Inchampalli) - Krishna (Nagarjunasagar) link	Telangana	FR completed
	b) Alternate Godavari (Inchampalli) - Krishna (Nagarjunasagar) link *	Telangana	DPR completed
4	Godavari (Inchampalli/ SSMPP) - Krishna (Pulichintala) link	Telangana & AP	DPR completed
5	a) Krishna (Nagarjunasagar) - Pennar (Somasila) link	AP	FR completed
	b) Alternate Krishna (Nagarjunasagar) - Pennar (Somasila) link *	AP	DPR completed
6	Krishna (Srisailem) – Pennar link	AP	Draft DPR completed
7	Krishna (Almatti) – Pennar link	AP & Karnataka	Draft DPR completed
8	a) Pennar (Somasila) - Cauvery (Grand Anicut) link	AP, Tamil Nadu & Puducherry	FR completed
	b) Alternate Pennar (Somasila) - Cauvery (Grand Anicut) link *	AP, Tamil Nadu & Puducherry	DPR completed
9	Cauvery (Kattalai) - Vaigai -Gundar link	Tamil Nadu	DPR completed
10	a. Parbati –Kalisindh - Chambal link	Madhya Pradesh (MP) & Rajasthan	FR completed
	b. Modified Parbati – Kalisindh-Chambal link ( duly integrated with ERCP)	MP & Rajasthan	Draft PFR completed
11	Damanganga - Pinjal link (As per DPR )	Maharashtra (only water supply to Mumbai)	DPR completed
12	Par-Tapi-Narmada link (As per DPR)	Gujarat & Maharashtra	DPR completed
13	Ken-Betwa link	Uttar Pradesh (UP) & MP	Implementation of the project initiated
14	Pamba - Achankovil - Vaippar link	Tamil Nadu and Kerala	FR completed
15	Bedti - Varda link	Karnataka	DPR completed
16	Netravati – Hemavati link **	Karnataka	PFR completed

\* Due to pending consensus on Manibhadra and Inchampalli dams, Alternate study to divert unutilized waters of Godavari river was carried out and DPR of Godavari (Inchampalli/ Janampet) – Krishna (Nagarjunasagar) - Pennar (Somasila) – Cauvery (Grand Anicut) link projects completed. Godavari-Cauvery (Grand Anicut) link project has been prepared comprising of Godavari (Inchampalli / Janampet) - Krishna (Nagarjunasagar), Krishna (Nagarjunasagar)- Pennar (Somasila) and Pennar(Somasila)-Cauvery(Grand Anicut) link projects.

\*\* Further studies are not taken up since after implementation of Yettinahole project by Govt. of Karnataka, no surplus water is available in Netravati basin for diversion through this link.

### **Himalayan Component**

<b>Sl. No.</b>	<b>Name of the Link</b>	<b>Country/ States benefited</b>	<b>Status</b>
1.	Kosi-Mechi link	Bihar & Nepal	PFR completed
2.	Kosi-Ghaghra link	Bihar & UP & Nepal	FR completed
3.	Gandak - Ganga link	UP & Nepal	FR completed (Indian portion)
4.	Ghaghra - Yamuna link	UP & Nepal	FR completed (Indian portion)
5.	Sarda - Yamuna link	UP & Uttarakhand	FR completed
6.	Yamuna-Rajasthan link	Haryana & Rajasthan	FR completed
7.	Rajasthan-Sabarmati link	Rajasthan & Gujarat	FR completed
8.	Chunar-Sone Barrage link	Bihar & UP	PFR completed
9.	Sone Dam - Southern Tributaries of Ganga link	Bihar & Jharkhand	PFR completed
10.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	Assam, West Bengal (WB) & Bihar	FR completed
11.	Jogighopa-Tista-Farakka link (Alternative to M-S-T-G)	Assam, WB & Bihar	PFR completed (The proposal has been dropped)
12.	Farakka-Sundarbans link	WB	FR completed
13.	Ganga(Farakka) - Damodar-Subarnarekha link	WB, Odisha & Jharkhand	FR completed
14.	Subarnarekha-Mahanadi link	WB & Odisha	FR completed

**ANNEXURE-II**

**ANNEXURE REFERRED TO IN REPLY TO PART (a) TO (b) OF UNSTARRED QUESTION NO. 881 TO BE ANSWERED IN RAJYA SABHA ON 11.12.2023 REGARDING “INTER-LINKING OF RIVER PROJECTS”.**

**Statement of Expenditure on various Studies, Survey & Investigation works, etc done by NWDA for ILR Projects for last Five years**

<b>YEAR</b>	<b>EXPENDITURE (In Rs. Crore)</b>
2019-20	72.32
2020-21	68.78
2021-22	67.35
2022-23	82.33
2023-24 (upto 30.11.2023)	58.62

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