

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

**LOK SABHA**

**UNSTARRED QUESTION NO. †2739**

ANSWERED ON 16.03.2023

**INTER-LINKING OF RIVERS**

†2739. SHRI SUKHBIR SINGH JAUNAPURIA

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

- (a) whether the Government proposes to interlink the rivers and revive the said project;
- (b) if so, the details thereof;
- (c) whether the Government has conducted any survey to assess the benefits of the said project for most of the States like Rajasthan, Madhya Pradesh etc.; and
- (d) if so, the details thereof?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI BISHWESWAR TUDU)

**(a) & (b)** The National Water Development Agency (NWDA) has been entrusted with the work of inter-linking of rivers under the National Perspective Plan (NPP). The NPP has two components, viz., Himalayan Rivers Development Component and Peninsular Rivers Development Component. 30 link projects have been identified under the NPP. Pre-Feasibility Reports (PFRs) of all the 30 links have been completed, while Feasibility Reports (FRs) of 24 links and Detailed Project Reports (DPRs) of 8 links have been completed. Ken-Betwa Link Project (KBLP) is the first link project under the NPP, for which implementation has been initiated. Latest status and State-wise details of Inter-linking of Rivers (ILR) projects are given at **Annexure**.

**(c) & (d)** Under the Interlinking of Rivers (ILR) programme, study of the link projects includes preparing water balance reports, preparation of PFRs, carrying out survey and investigation of the project areas and preparation of FRs and DPRs, etc. In case of States of Rajasthan and Madhya Pradesh also, detailed survey and investigation for ILR projects have been conducted during preparation of their FRs and DPRs.

Three link projects under the NPP, viz; Yamuna-Rajasthan link, Rajasthan-Sabarmati link and Modified Parbati-Kalisindh-Chambal link are to benefit the State of Rajasthan. Two link projects under the NPP, viz; Ken-Betwa link and Modified Parbati-Kalisindh-Chambal link will benefit the State of Madhya Pradesh. As per the surveys and studies done by NWDA, the irrigation benefits and present status of these links benefitting the States of Rajasthan and Madhya Pradesh are, inter alia, contained in the **Annexure**.

\*\*\*

**ANNEXURE**

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) to (d) OF UNSTARRED QUESTION NO. 2739 ANSWERED IN LOK SABHA ON 16.03.2023 REGARDING “INTER-LINKING OF RIVERS”.**

**Latest Status and State-wise Details of Inter-Linking of River (ILR) projects under the National Perspective Plan (NPP)**

**Peninsular Component**

Sl. No	Name of the link	Status	States benefited	Annual Irrigation (Lakh ha)	Domestic & Industrial (Mm3)	Hydro power (MW)
1	Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	FR completed	Andhra Pradesh (AP) & Odisha	4.43	700	450
	Alternate Mahanadi (Barmul) - Rushikulya – Godavari (Dowlaiswaram) link	FR completed	AP & Odisha	6.25 (0.91 + 3.52 + 1.82**)	700 (MGL) <sup>%</sup> +125**	210 (MGL) <sup>%</sup> + 240**
2	Godavari (Polavaram) - Krishna (Vijayawada) link	FR completed	AP	2.1	162	--
3	a.) Godavari (Inchampalli) - Krishna (Nagarjunasagar) link	FR completed	Telangana	2.87	237	975+70=1,045
	b.) Alternate Godavari (Inchampalli) - Krishna (Nagarjunasagar) link *	DPR completed	Telangana	3.67	140	60
4	Godavari (Inchampalli) - Krishna (Pulichintala) link	FR completed	Telangana & AP	6.13 (1.09 +5.04)	413	27
5	a.) Krishna (Nagarjunasagar) - Pennar (Somasila ) link	FR completed	AP	5.81	124	90
	b.) Alternate Krishna (Nagarjunasagar) - Pennar (Somasila ) link *	DPR completed	AP	2.94	218	90
6	Krishna (Srisailam) – Pennar link	FR completed	--	--	--	17
7	Krishna (Almatti) – Pennar link	FR completed	AP & Karnataka	2.58 (1.9+0.68)	56	13.5
8	a.) Pennar (Somasila) - Cauvery (Grand Anicut) link	FR completed	AP, Tamil Nadu & Puducherry	4.91 (0.49+ 4.36 +0.06)	1105	--
	b.) Alternate Pennar (Somasila) - Cauvery (Grand Anicut) link *	DPR completed	AP, Tamil Nadu & Puducherry	2.83 (0.51+2.32)	1098 (62+ 1036)	--
9	Cauvery (Kattalai) - Vaigai -Gundar link	DPR completed	Tamil Nadu	4.48	218	--

10	Parbati –Kalisindh - Chambal link	FR completed	Madhya Pradesh (MP) & Rajasthan	@Alt.I = 2.30 Alt.II = 2.20	-	--
	Modified Parbati – Kalisindh-Chambal link {duly integrated with Eastern Rajasthan Canal Project (ERCP)}	PFR completed	MP & Rajasthan			
11	Damanganga - Pinjal link (As per DPR )	DPR completed	Maharashtra (only water supply to Mumbai)	--	895	5
12	Par-Tapi-Narmada link (As per DPR)	DPR completed	Gujarat & Maharashtra	2.36 (2.32 + 0.04)	76 (for 27.5 lakh population of Dang, Navsari, Valsad and Nasik districts)	21
13	Ken-Betwa link	DPR completed.	Uttar Pradesh & Madhya Pradesh	10.62 (2.51 + 8.11)	194	103 (Hydro) & 27MW (Solar)
14	Pamba - Achankovil - Vaippar link	FR completed	Tamil Nadu & Kerala	0.91 ---	--	--- 508
15	Bedti - Varda link	DPR completed	Karnataka	0.60	----	----
16	Netravati – Hemavati link***	PFR completed	Karnataka	0.34	--	--

% MGL: Mahanadi Godavari Link

\*\*Benefit from six projects of Govt. of Odisha.

@ Alt I- Linking with Gandhisagar Dam; Alt. II- Linking with Rana Pratapsagar Dam

\* Alternate study to divert unutilized waters of Godavari river 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 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.

§ Integration of Eastern Rajasthan Canal Project of Rajasthan and Parbati – Kalisindh-Chambal link

### Himalayan Component

Sl. No.	Name of the Link	Status	Country/ States benefited	Annual Irrigation (Lakh ha)	M&I (Mm <sup>3</sup> )	Hydro power (MW)
1.	Kosi-Mechi link	PFR completed	Bihar & Nepal	4.74 (2.99+1.75)	24	3,180
2.	Kosi-Ghaghra link	Draft FR completed	Bihar, Uttar Pradesh (UP) & Nepal	10.58 (8.17+ 0.67 + 1.74 )	48	--
3.	Gandak - Ganga link	FR completed (Indian portion)	UP & Nepal	34.58 (28.80+ 5.78 )	700	4,375 (Dam PH) & 180 (Canal PH)
4.	Ghaghra - Yamuna link	FR completed (Indian portion)	UP & Nepal	26.65 (25.30 + 1.35 )	1391	10,884
5.	Sarda - Yamuna link	FR completed	UP & Uttarakhand	2.95 (2.65 + 0.30)	3054	3,600
6.	Yamuna-Rajasthan link	FR completed	Haryana & Rajasthan	2.51 (0.11+ 2.40 )	30	--
7.	Rajasthan-Sabarmati link	FR completed	Rajasthan & Gujarat	11.53 (11.21+0.32)	102	--
8.	Chunar-Sone Barrage link	Draft FR completed	Bihar & UP	0.67 (0.30 + 0.37)	--	--
9.	Sone Dam - Southern Tributaries of Ganga link	PFR completed	Bihar & Jharkhand	3.07 (2.99 + 0.08 )	360	95 (90 Dam PH) & 5 (Canal PH)
10.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	FR completed	Assam, West Bengal (WB) & Bihar	3.41 (2.05 + 1.00 + 0.36 )	--	--
11.	Jogighopa-Tista-Farakka link (Alternative to M-S-T-G)	PFR completed	Assam, WB & Bihar	3.559 (0.975+ 1.564+ 1.02)	265	360
12.	Farakka-Sundarbans link	FR completed	WB	1.50	184	--
13.	Ganga(Farakka) - Damodar-Subarnarekha link	FR completed	WB, Odisha & Jharkhand	12.30 (11.18+ 0.39+ 0.73)	432	--
14.	Subarnarekha-Mahanadi link	FR completed	WB & Odisha	1.63 (0.18+ 1.45)	198	9

\*\*\*\*\*