

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

UNSTARRED QUESTION NO. 220

ANSWERED ON 02.02.2023

INTER-LINKING OF RIVERS

220. SHRI DEVJI M. PATEL SHRI SUDHAKAR TUKARAM SHRANGARE
 SHRI PRATHAP SIMHA SHRI SANGANNA AMARAPPA
 SHRI RANJEETSINGH HINDURAO NAIK NIMBALKAR

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

- (a) the details of the inter-linking of rivers in the country, State-wise;
- (b) the details of the ongoing schemes and schemes proposed for various States in this regard;
- (c) the funds sanctioned and utilised during the current financial year for the said purpose; and
- (d) the position or view of the Government on the viability and success of inter-linking of rivers?

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 National Perspective Plan (NPP). NPP has two components, viz., Himalayan Rivers Development Component and Peninsular Rivers Development Component. 30 link projects have been identified under NPP. Pre-Feasibility Reports (PFRs) of all the 30 links have been completed and 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 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) A budget allocation of ₹ 1,100 crore in the current financial year has been made for KBLP by Government of India. The total amount spent on the project till 31.12.2022 is ₹ 7,665 crore, including ₹ 5,038.28 crore from the Central grant and ₹ 2,626.70 crore from the State budget.

(d) The cooperation of States is paramount in the implementation of inter-linking of rivers projects. Inter-Basin Water Transfer (IBWT) from surplus basins to water deficit basins/areas is essential to address the imbalance in water availability across the country and water security in the country. ILR programme is being pursued in a consultative manner by building consensus amongst the Party States for the implementation of the ILR projects. Government of India has accorded priority to the ILR programme and has been making all efforts to expedite the same.

KBLP is the first inter-linking project taken for implementation as a result of efforts made by Ministry of Jal Shakti and cooperation of States of Madhya Pradesh and Uttar Pradesh. The project is being implemented by Centre and both the States jointly through a Special Purpose Vehicle (Ken-Betwa Link Project Authority) with major funding coming from Central Government.

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF UNSTARRED QUESTION NO. 220 TO BE ANSWERED IN LOK SABHA ON 02.02.2023 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) [%] +125**	210 (MGL) [%] + 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	- 13.2	--

	Parbati – Kuno – Sindh link. §	PFR completed	MP & Rajasthan			
	Integration of modified Parbati – Kalisindh-Chambal link 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 & implementation initiated	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 ³)	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
