

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †1730
ANSWERED ON 20.12.2018

INTER-LINKING OF RIVERS

†1730. SHRI SUKHBIR SINGH JAUNAPURIA

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) whether the Government proposes to inter-link rivers in the country;
- (b) if so, the details thereof along with the ongoing projects in this regard including the names of rivers rejuvenated as on date, State-wise;
- (c) the quantum of funds allocated for the purpose during the last three years and the current year till date, State/river-wise;
- (d) whether the Government proposes to enact a law to check the illegal construction on the river banks, indiscriminate ground water exploitation and for water conservation; and
- (e) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND
GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) The Government has taken up the implementation of the Inter-linking of River (ILR) projects on a consultative manner. The National Perspective Plan (NPP) was prepared by then Ministry of Irrigation (now Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD & GR)) in August 1980 for transferring water from water surplus basins to water-deficit basins. Under the NPP, the National Water Development Agency (NWDA) identified 30 links (16 under Peninsular Component & 14 under Himalayan Component) for preparation of Feasibility Reports (FRs). The names of Inter Basin Water Transfer Links, names of rivers and the States concerned are given in **Annexure**.

Under NPP four priority links have been identified for preparation of Detailed Project Reports (DPR) under the Peninsular Rivers Component viz; Ken-Betwa link project (KBLP) Phase –I & II, Damanganga-Pinjal link project, Par-Tapi-Narmada link project and Godavari-Cauvery link project. The preparation of DPR of a project is taken up only after consent of concerned State Governments. Based on the concurrence of the concerned States, DPRs of KBLP Phase-I & Phase-II, Damanganga-Pinjal link project and Par-Tapi-Narmada link project have been completed. The techno-economic clearance and various statutory clearances of the KBLP Phase-I have been accorded except clearance from Central Empowered Committee (CEC) of the Supreme Court. Based on the request of Government of Madhya Pradesh, Lower Orr dam, Bina complex and Kotha barrage projects have been included in KBLP Phase-II. The DPR of these projects have been completed by NWDA/ Government of Madhya Pradesh. The Environmental Clearance and Forest Land Diversion

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Clearances for Lower Orr dam have been recommended by Expert Appraisal Committee and Forest Advisory Committee of Ministry of Environment, Forest and Climate Change (MoEF&CC) respectively. Clearance for Resettlement and Rehabilitation plan of Project Affected Families has also been accorded by Ministry of Tribal Affairs (MoTA) subject to certain conditions. Environmental clearance and Stage-I&II clearances for Bina complex projects have been accorded by MoEF&CC. The draft Memorandum of Agreement (MoA) for implementation of Ken-Betwa Link Project has been sent to Uttar Pradesh and Madhya Pradesh for concurrence.

The techno-economic clearance of the Damanganga-Pinjal link project has also been accorded, subject to statutory clearances. The DPR of Par-Tapi-Narmada link project has been completed by NWDA. The combined draft MoA for implementation of Damanganga-Pinjal and Par-Tapi-Narmada Link (including the four intra-state link projects of Maharashtra State) has been sent to Maharashtra and Gujarat State Governments for concurrence.

(c) An enabling allocation of Rs.100 lakhs for ILR programme has been made in the budget of each of the last three years including current year. As the ILR projects are not at implementation stage, hence, no expenditure has been incurred on implementation of the ILR projects so far.

(d) & (e) Flood-plain zoning is a concept central to flood plain management. Flood-plain zoning measures aim at demarcating zones or areas likely to be affected by floods of different magnitudes or frequencies and probability levels, and specify the types of permissible developments in these zones, so that whenever floods actually occur, the damage can be minimized, if not avoided.

A model draft bill for flood plain zoning legislation was circulated by the Union Government in 1975 to all the States, however, only States of Manipur, Rajasthan and Uttarakhand had enacted the legislation. The bill aims at no hindrance to natural flow of river and mitigation of likely damage by floods. This Ministry has repeatedly impressed upon the State/ UT Governments in this regard.

Moreover, the Ministry of Water Resources, River Development and Ganga Rejuvenation has circulated a Model Bill (2005) to all the States/UTs to enable them to enact suitable ground water legislation for regulation of its development, which includes provision of rain water harvesting. So far, 15 States/UTs have adopted and implemented the ground water legislation on the lines of Model Bill.

Further, Central Ground Water Authority (CGWA) has been constituted under Section 3 (3) of the "Environment (Protection) Act, 1986" for the purpose of regulation and control of ground water development and management in the Country. So far, CGWA has notified 162 areas in the country where ground water withdrawal through new abstraction structures is not permitted, except for drinking and domestic uses. CGWA has also issued advisories to the State Governments and UTs from time to time regarding water conservation and water harvesting. Industries/infrastructure units/mining projects in 23 States/UTs require a No Objection Certificate (NOC) from CGWA for ground water extraction, which is granted with mandatory conditions aimed at ground water augmentation and prevention of its contamination. Regulatory measures are being implemented through State Ground Water Authorities or through Government Orders in the remaining States/UTs.

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. †1730 TO BE ANSWERED IN LOK SABHA ON 20.12.2018 REGARDING “INTER-LINKING OF RIVERS”.

Names of Inter Basin Water Transfer Links, the States involved, name of rivers and status of Feasibility Reports/Detailed Project Report

Sl. No	Name	Rivers	States concerned	Status of PFR/FR/DPR
Peninsular Component				
1	Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	Mahanadi & Godavari	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh	FR Completed
2	Godavari (Inchampalli) - Krishna (Pulichintala) link	Godavari & Krishna	-do-	FR Completed
3	Godavari (Inchampalli) - Krishna (Nagarjunasagar) link	Godavari & Krishna	Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Karnataka & Chattisgarh,	FR Completed
4	Godavari (Polavaram) - Krishna (Vijayawada) link	Godavari & Krishna	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh	FR Completed
5	Krishna (Almatti) – Pennar link	Krishna & Pennar	-do-	FR Completed
6	Krishna (Srisailem) – Pennar link	Krishna & Pennar	-do-	FR Completed
7	Krishna (Nagarjunasagar) - Pennar (Somasila) link	Krishna & Pennar	Maharashtra, Andhra Pradesh & Karnataka,	FR Completed
8	Pennar (Somasila) - Cauvery (Grand Anicut) link	Pennar & Cauvery	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala & Puducherry	FR Completed
9	Cauvery (Kattalai) - Vaigai -Gundar link	Cauvery, Vaigai & Gundar	Karnataka, Tamil Nadu, Kerala & Puducherry	FR Completed
10	Ken-Betwa link	Ken & Betwa	Uttar Pradesh & Madhya Pradesh	FR & DPR (Ph-I&II) Completed
11	Parbati -Kalisindh- Chambal link	Parbati, Kalisindh & Chambal	Madhya Pradesh, Rajasthan & Uttar Pradesh (UP requested to be consulted during consensus building)	FR Completed
12	Par-Tapi-Narmada link	Par, Tapi & Narmada	Maharashtra & Gujarat	FR & DPR Completed
13	Damanganga - Pinjal link	Damanganga & Pinjal	Maharashtra & Gujarat	FR & DPR Completed
14	Bedti - Varda link	Bedti & Varda	Maharashtra, Andhra Pradesh & Karnataka	PFR Completed
15	Netravati – Hemavati link	Netravati & Hemavati	Karnataka, Tamil Nadu & Kerala	PFR Completed
16	Pamba - Achankovil - Vaippar link	Pamba, Achankovil & Vaippar	Kerala & Tamil Nadu,	FR Completed
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Sl. No	Name	Rivers	States concerned	Status of PFR/FR/DPR
Himalayan Component				
1.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	Manas-Sankosh-Tista-Ganga	Assam, West Bengal, Bihar & Bhutan	PFR completed
2.	Kosi-Ghaghra link	Kosi & Ghaghra	Bihar , Uttar Pradesh & Nepal	PFR completed
3.	Gandak-Ganga link	Gandak & Ganga	-do-	Draft FR completed (Indian portion)
4.	Ghaghra-Yamuna link	Ghaghra & Yamuna	-do-	FR completed (Indian portion)
5.	Sarda-Yamuna link	Sarda & Yamuna	Bihar, Uttar Pradesh, Haryana, Rajasthan, Uttarakhand & Nepal	FR completed (Indian portion)
6.	Yamuna-Rajasthan link	Yamuna & Sukri	Uttar Pradesh, Gujarat, Haryana & Rajasthan	Draft FR completed
7.	Rajasthan-Sabarmati link	Sabarmati	-do-	Draft FR completed
8.	Chunar-Sone Barrage link	Ganga & Sone	Bihar & Uttar Pradesh	Draft FR completed
9.	Sone Dam – Southern Tributaries of Ganga link	Sone & Badua	Bihar & Jharkhand	PFR completed
10.	Ganga(Farakka)-Damodar-Subernarekha link	Ganga, Damodar & Subernarekha	West Bengal, Odisha & Jharkhand	Draft FR completed
11.	Subernarekha-Mahanadi link	Subernarekha & Mahanadi	West Bengal & Odisha	Draft FR Completed
12.	Kosi-Mechi link	Kosi & Mechi	Bihar , West Bengal & Nepal	PFR completed Entirely lies in Nepal
13.	Ganga (Farakka)-Sunderbans link	Ganga & Ichhamati	West Bengal	Draft FR completed
14.	Jogighopa-Tista-Farakka link (Alternative to M-S-T-G)	Manas, Tista & Ganga	-do-	(Alternative to M-S-T-G Link) dropped

- PFR- Pre Feasibility Report
- FR- Feasibility Report
- DPR- Detailed Project Report