

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †606**  
ANSWERED ON 13.12.2018

**INTER-LINKING OF RIVERS**

†606.           SHRIMATI NEELAM SONKER

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

- (a) the current status of inter-linking of river project;
- (b) whether the work is going on thereunder;
- (c) if so, the details thereof and the time in years by which the project is likely to be completed including the expenditure time to be incurred thereon; and
- (d) whether any assessment has been made with respect to benefits and losses of this project and 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) to (c) The National Perspective Plan (NPP) was prepared by the then Ministry of Irrigation, now Ministry of Water Resources, River Development & Ganga Rejuvenation (MoWR, RD & GR) in August 1980 for water resources development through inter basin transfer of water, for transferring water from water surplus basins to water-deficit basins. Under the NPP, the National Water Development Agency (NWDA) has identified 30 links (16 under Peninsular Component & 14 under Himalayan Component) for preparation of Feasibility Reports (FRs). The Pre-Feasibility Report (PFR) of the all 30 links have been prepared and circulated to the concerned State Governments by the NWDA. After survey and investigations, Feasibility Reports of 14 links under Peninsular Component and Feasibility Reports of 2 links and draft Feasibility Reports of 7 links (Indian portion) under Himalayan Component have been completed. The names of Inter Basin Water Transfer Links, names of rivers and the States concerned are given in **Annexure**.

Four priority links under the Peninsular River Component have been identified for preparation of Detailed Project Report (DPR) 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 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.

The implementation of ILR projects involves various steps such as preparation of PFRs/FRs; negotiation and consensus among concerned States; preparation of DPRs; clearance from appraisal agencies including clearance by MoEF & CC and MoTA; techno-economic clearance by Advisory Committee on Irrigation, Flood Control & Multipurpose Projects of MoWR, RD & GR; investment clearance and the actual construction time required for the completion of the project as per DPR.

The implementation of a project is taken up after preparation of its DPR with the consensus of concerned States and obtaining requisite statutory clearances. Thus, the implementation of the projects will take varying periods of time.

(d) It is estimated that implementation of all the Inter Linking of Rivers (ILR) projects under NPP would give benefit of 25 million ha. of irrigation from surface waters and 10 million ha by increased use of ground waters, raising the ultimate irrigation potential from 140 million ha to 175 million ha. Further, generation of 34 million KW of power is also envisaged, apart from the incidental benefits of flood control, drought mitigation, navigation, water supply, fisheries, salinity and pollution control etc.

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) TO (c) OF UNSTARRED QUESTION NO. 606 TO BE ANSWERED IN LOK SABHA ON 13.12.2018 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
<b>Peninsular Component</b>				
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

Sl. No	Name	Rivers	States concerned	Status
<b>Himalayan Component</b>				
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