

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
STARRED QUESTION NO. *185
ANSWERED ON 08.03.2018

INTER-LINKING OF RIVERS PROJECT

*185. SHRI FEROZE VARUN GANDHI

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

- (a) the progress made so far on the inter-linking of rivers project;
- (b) whether the issue that the State of Kerala had with the Pamban-AchankovilVaippar river linking project has been resolved; and
- (c) if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION, ROAD TRANSPORT & HIGHWAYS AND SHIPPING

(SHRI NITIN JAIRAM GADKARI)

- (a) to (c): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) to (c) OF STARRED QUESTION NO. *185 TO BE ANSWERED IN LOK SABHA ON 08.03.2018 REGARDING INTER-LINKING OF RIVERS PROJECT.

(a) The National Perspective Plan (NPP) was prepared by the then Ministry of Irrigation 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 Pre-Feasibility Reports (PFRs) of all 30 links have been prepared and circulated to the concerned State Governments. After survey and investigations, FRs of 14 links under Peninsular Component and FRs of 2 links and draft FRs of 7 links (Indian portion) under Himalayan Component have been completed. Present status, States concerned, and benefits are given in **Annexure**. The Inter-Linking of River (ILR) programme has been taken up on high priority.

Four priority links under Peninsular Rivers Component have been identified for preparation of DPR viz; Ken-Betwa link project (KBLP) Phase –I & II, Damanganga-Pinjal link project, Par-Tapi-Narmada link project and Mahanadi-Godavari link project. The preparation of DPR of a project is taken up after consent of concerned State Governments. 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. Based on the request of Government of M.P., the DPRs of projects included under KBLP Phase-II viz., Lower Orr dam, Bina complex projects and Kotha barrage have been completed by NWDA/ Government of M.P. and submitted for techno-economical appraisal in Central Water Commission (CWC).

The techno-economic clearance of the Damanganga-Pinjal link project has been accorded subject to statutory clearances. The DPR of Par-Tapi-Narmada link project has been submitted for technical appraisal in CWC. The DPR of the Mahanadi – Godavari link could not be taken up as the Government of Odisha was not agreeable for Mahanadi – Godavari link, a mother link of 9 link system viz., Mahanadi – Godavari – Krishna – Pennar – Palar – Cauvery – Vaigai – Gundar linkage due to large submergence involved in Manibhadra Dam. Based on the suggestions of Govt. of Odisha, NWDA has prepared a preliminary revised proposal of Mahanadi- Godavari Link Project with reduced submergence and submitted to the Govt. of Odisha.

(b) & (c) Pamba-Achankovil-Vaippar link project under NPP pertains to State of Kerala and Tamil Nadu. NWDA has completed its FR in 1995 and submitted to concerned States of Tamil Nadu and Kerala. However, in 2003, Kerala Assembly has passed a resolution against taking up this link project. The Central Government has taken note of it and has decided not to treat it as a priority link for consensus building purpose at present.

ANNEXURE

Annexure referred to in reply to part (a) of Starred Question No. *185 to be answered in Lok Sabha on 08.02.2018 regarding "Inter-linking of Rivers Project".

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

Sl. No	Name	States concerned	States benefited	Annual Irrigation (Lakh ha)	Domestic and Industrial supply (MCM)	Hydro power (MW)	Present status
Peninsular Component							
1	Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	Odisha, Maharashtra, AP, Karnataka, Chattisgarh & Telangana	Andhra Pradesh & Odisha	0.91+3.52 = 4.43	802	445	FR completed
2	Godavari (Inchampalli) - Krishna (Pulichintala) link	-do-	Telangana and Andhra Pradesh	1.09+5.04= 6.13	413	--	FR completed
3	Godavari (Inchampalli) - Krishna (Nagarjunasagar) link	Odisha, Maharashtra, Madhya Pradesh, AP, Karnataka, Chattisgarh & Telangana	Telangana	2.87	237	975	FR completed
4	Godavari (Polavaram) - Krishna (Vijayawada) link	Odisha, Maharashtra, AP, Karnataka, Chattisgarh & Telangana	Andhra Pradesh	5.82	162	--	FR completed
5	Krishna (Almatti) - Pennar link	Maharashtra, Karnataka, Telangana & AP	Andhra Pradesh & Karnataka	1.90+0.68 = 2.58	56	--	FR completed
6	Krishna (Srisailem) - Pennar link	-do-	--	--	--	17	FR completed
7	Krishna (Nagarjunasagar) - Pennar (Somasila) link	Maharashtra, AP & Karnataka	Andhra Pradesh	5.81	124	90	FR completed
8	Pennar (Somasila) - Cauvery (Grand Anicut) link	AP, Karnataka, Tamil Nadu, Kerala & Puducherry	AP, Tamil Nadu & Puducherry	0.49+4.36 + 0.06 = 4.91	1105	--	FR completed

Sl. No	Name	States concerned	States benefited	Annual Irrigation (Lakh ha)	Domestic and Industrial supply (MCM)	Hydro power (MW)	Present status
9	Cauvery (Kattalai) - Vaigai -Gundar link	Karnataka, Tamil Nadu, Kerala & Puducherry	Tamil Nadu	3.38	185	--	FR completed
10	Ken-Betwa link a) Ken-Betwa Link Phase-I b) Ken-Betwa link Phase-II	Uttar Pradesh & Madhya Pradesh - do-	Uttar Pradesh & Madhya Pradesh Madhya Pradesh	2.66 + 3.69 = 6.35 0.99	49 6	78 -	FR&DPR (Ph-I&II) completed
11	Parbati - Kalisindh- Chambal link	Madhya Pradesh, Rajasthan & Uttar Pradesh (UP requested to be consulted during consensus building)	Madhya Pradesh & Rajasthan	*Alt.I: 2.05+ 0.25 = 2.30 (Alt.II: 1.77+ 0.43 = 2.20)	13.2	--	FR completed
12	Par-Tapi-Narmada link	Maharashtra & Gujarat	Gujarat & Maharashtra	2.32	76	22	FR&DPR completed
13	Damanganga-Pinjal link (As per DPR)	-do-	Maharashtra (only water supply to Mumbai)	--	895 (including 316 MCM from Pinjal dam proposed by GoM)	--	FR&DPR completed
14	Bedti- Varda link	Maharashtra, Andhra Pradesh & Karnataka	Karnataka	0.60	--	4	PFR completed
15	Netravati- Hemavati link	Karnataka, Tamil Nadu & Kerala	Karnataka	0.34	--	--	PFR completed.
16	Pamba-Achankovil-Vaippar link	Kerala & Tamil Nadu,	Kerala & Tamil Nadu	0.91	--	508	FR completed

Himalayan Component

Sl. No	Name	States concerned	States benefited	Annual Irrigation (Lakh ha)	Domestic and Industrial supply (MCM)	Hydro power (MW)	Present status
1.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	Assam, West Bengal, Bihar & Bhutan	Assam, West Bengal &	2.08 + 1.82 + 2.64 = 6.54	--	5287	PFR completed

			Bihar				
2.	Kosi-Ghaghra link	Bihar , Uttar Pradesh & Nepal	Bihar& Uttar Pradesh	8.17+ 0.67 + 1.74 (Nepal) = 10.58	48	--	PFR completed
3.	Gandak-Ganga link	-do-	Uttar Pradesh	37.99+2.41 (Nepal) = 40.40	700	--	Draft FR completed (Indian portion)
4.	Ghaghra-Yamuna link	-do-	Uttar Pradesh	25.30 + 1.35 (Nepal) =26.65	1391	10884	FR completed (Indian portion)
5.	Sarda-Yamuna link	Bihar, UP, Haryana, Rajasthan, Uttarakhand & Nepal	Uttar Pradesh & Uttarakhand	3.45 + 0.30 = 3.75	6250	3600	FR completed (Indian portion)
6.	Yamuna-Rajasthan link	UP, Gujarat, Haryana & Rajasthan	Haryana & Rajasthan	0.435 + 2.442 = 2.877	57	--	Draft FR completed
7.	Rajasthan-Sabarmati link	-do-	Rajasthan & Gujarat	5.35 + 2.04= 7.39	282	--	Draft FR completed
8.	Chunar-Sone Barrage link	Bihar& UP	Bihar& Uttar Pradesh	0.30 + 0.37= 0.67	--	--	Draft FR completed
9.	Sone Dam – Southern Tributaries of Ganga link	Bihar & Jharkhand	Bihar & Jharkhand	2.99 + 0.08=3.07	360	95	PFR completed
10.	Ganga(Farakka)-Damodar-Subernarekha link	West Bengal, Odisha & Jharkhand	West Bengal, Odisha & Jharkhand	7.63 + 0.30 + 0.55 = 8.47	484	-	Draft FR completed
11.	Subernarekha-Mahanadi link	West Bengal& Odisha	West Bengal& Odisha	0.18 + 0.365 = 0.545	--	9	Draft FR completed
12.	Kosi-Mechi link	Bihar, West Bengal & Nepal	Bihar	2.99 + 1.75 (Nepal) = 4.74	24	3180	PFR completed (Entirely lies in Nepal)
13.	Farakka-Sunderbans link	West Bengal	West Bengal	1.50	184	--	Draft FR completed
14.	Jogighopa-Tista-Farakka link (Alternative to M-S-T-G)	-do-	Assam, West Bengal & Bihar	----	216	1115	Alternate to M-S-T-G link dropped.

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