

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 397**  
ANSWERED ON 25.02.2016

**INTER-LINKING OF RIVERS**

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

- (a) the current status of inter-linking of rivers under the National Perspective Plan of the Government, river/State-wise, along with the expenditure estimated to be incurred in linking of each river;
- (b) whether any suggestions/requests/ objections have been received from certain States in this regard and if so, the details thereof including the action taken thereon;
- (c) the quantum of funds allocated/ released/spent, if any, for the purpose so far, State/UT-wise;
- (d) whether the Government has conducted or plans to conduct a social impact and environmental assessment of the effect on the livelihood of the people living in areas likely to be affected due to the project, if so, the details thereof; and
- (e) the time by which each river linking is likely to be started/completed along with the benefits likely to accrue therefrom?

**ANSWER**

THE MINISTER OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION  
(SUSHRI UMA BHARTI)

(a) This Ministry has formulated a National Perspective Plan (NPP) for Water Resources Development envisaging inter-basin transfer of water from surplus basins to deficit basins/ areas. Based on surveys, investigations and detailed studies, National Water Development Agency (NWDA) has prepared pre-feasibility reports which facilitated identification of 30 links under the NPP. The status of river links identified under NPP are given in [Annexure-I](#). Based on the concurrence of the States, Detailed Project Reports (DPR) for Ken-Betwa, Damanganga-Pinjal and Par-Tapi-Narmada links have been completed by NWDA.

The initial cost of the Inter Linking projects as estimated in Preliminary Studies at Pre-feasibility/Feasibility stage by the then Task Force on Interlinking of Rivers (TF-ILR-2002) is Rs 5.60 Lakh crore at 2002 Price Level. The expenditure on inter-linking projects can be estimated only after completion of Detailed Project Report (DPRs) of individual link projects. The estimated expenditure of link projects for which Detailed Project Reports have been completed is given at **Annexure-II**.

(b) The Government is pursuing the Interlinking of River program in a consultative manner. Its implementation is dependent upon the consensus and co-operation of the concerned States and upon obtaining various mandatory clearances from Ministry/ Departments of Central and State Governments including statutory clearances. The details of objections raised by concerned State Governments for taking up Feasibility Report (FR)/DPR of proposed inter-linking of river projects are given at **Annexure III**.

(c) Ministry of Water Resources, River Development & Ganga Rejuvenation has kept an amount of Rs.280 cr in 12<sup>th</sup> Five year plan, for preparation of Pre-feasibility Report (PFR), Feasibility Report (FR) and Detailed Project Report (DPR) for the various river-link projects. The budgetary provision for preparation of Feasibility Reports (FRs) and Detailed Project Reports (DPRs) for the last three Financial Year viz. 2012-13, 2013-14 and 2014-15 is Rs. 51.30 cr., Rs. 63.20 cr., and Rs. 60.0 cr. respectively, and for Fiscal Year 2015-16 Rs. 69.0 cr. has been allocated. The expenditure has been incurred for studies for establishing viability of the proposals from hydrological and technical angles. The expenditure incurred, is not maintained project-wise/State-wise.

(d) At the time of preparation of Detailed Project Report of the individual river link projects, detailed Environmental Impact Assessment (EIA) studies as per Terms of Reference approved by Environmental Appraisal Committee (EAC) of Ministry of Environment and Forests &CC are carried out. All environmental impacts and issues arising out of the EIA studies are duly addressed in Environmental Management Plan which forms a part of DPR.

Resettlement and Rehabilitation (R&R) Plan in respect of project affected persons is an integral part of the implementation of any Inter Linking of River project and is included in the DPR.

(e) The time limit for the completion of individual link project can be identified only after Detailed Project Reports are techno- economically approved. The implementation of National Perspective Plan for water Resources Development would create an additional irrigation potential of approximately 35 million hectares and generate 34000 mega watts (MW) hydro power apart from the incidental benefits of flood moderation, navigation, drinking and industrial water supply, fisheries, salinity and pollution control etc. This is a big focus area of the Ministry and a special committee of the Ministry regularly reviews the programme..

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**ANNEXURE-I**

Annexure referred to in reply to part (a) of Unstarred Question No. 397 due for answer in Lok Sabha on 25.02.2016 regarding Inter-linking of Rivers.

**Present status of Inter Basin Water Transfer Links**

Sl. No	Name	States concerned	States benefited	Status
<b>Peninsular Component</b>				
1	Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh,	Andhra Pradesh & Odisha	Feasibility Report Completed
2	Godavari (Inchampalli) - Krishna (Pulichintala) link	-do-	-do-	Feasibility Report Completed
3	Godavari (Inchampalli) - Krishna (Nagarjunasagar) link	Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Karnataka & Chattisgarh,	-do-	Feasibility Report Completed
4	Godavari (Polavaram) - Krishna (Vijayawada) link	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chattisgarh,	Andhra Pradesh	Feasibility Report Completed
5	Krishna (Almatti) – Pennar link	-do-	Andhra Pradesh & Karnataka	Feasibility Report Completed
6	Krishna (Srisailem) – Pennar link	-do-	--	Feasibility Report Completed
7	Krishna (Nagarjunasagar) - Pennar (Somasila ) link	Maharashtra, Andhra Pradesh & Karnataka,	-do-	Feasibility Report Completed
8	Pennar (Somasila) - Cauvery (Grand Anicut) link	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala & Puducherry	Andhra Pradesh, Tamil Nadu & Puducherry	Feasibility Report Completed
9	Cauvery (Kattalai) - Vaigai -Gundar link	Karnataka, Tamil Nadu, Kerala & Puducherry	Tamil Nadu	Feasibility Report Completed
10	Ken-Betwa link a) Ken-Betwa Link Phase-I b) Ken-Betwa link Phase-II	Uttar Pradesh & Madhya Pradesh  <b>- do -</b>	Uttar Pradesh & Madhya Pradesh  <b>Madhya Pradesh</b>	DPR Phase-I completed in April 2010& <b>DPR Phase-II Completed in January 2014.</b>
11	Parbati -Kalisindh- - Chambal link	Madhya Pradesh, Rajasthan & Uttar Pradesh (UP requested to be consulted during consensus building )	Madhya Pradesh & Rajasthan	Feasibility Report Completed
12	Par-Tapi-Narmada link	-do-	Gujarat	<b>DPR completed in August,2015</b>

13	<b>Damanganga - Pinjal link</b> (As per DPR )	Maharashtra & Gujarat	Maharashtra (only water supply to Mumbai)	<b>DPR Completed in March 2014.</b>
14	Bedti - Varda link	Maharashtra, Andhra Pradesh & Karnataka	Karnataka	Pre-Feasibility Report Completed
15	Netravati – Hemavati link	Karnataka, Tamil Nadu & Kerala	Karnataka	Pre-Feasibility Report Completed
16	Pamba - Achankovil - Vaippar link	Kerala & Tamil Nadu,	Tamil Nadu	Feasibility Report Completed
<b>Himalayan Component</b>				
1.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	Assam, West Bengal, Bihar & Bhutan	Assam, West Bengal & Bihar	FR in progress
2.	Kosi-Ghaghra link	Bihar , Uttar Pradesh & Nepal	Bihar & Uttar Pradesh	FR in Indian portion in progress
3.	Gandak-Ganga link	-do-	Uttar Pradesh	Draft FR completed(for Indian portion)
4.	Ghaghra-Yamuna link	-do-	Uttar Pradesh	FR completed (for Indian portion)
5.	Sarda-Yamuna link	Bihar, Uttar Pradesh, Haryana, Rajasthan, Uttarakhand & Nepal	Uttar Pradesh & Uttarakhand	FR completed (for Indian portion)
6.	Yamuna-Rajasthan link	Uttar Pradesh, Gujarat, Haryana & Rajasthan	Haryana & Rajasthan	Draft FR completed
7.	Rajasthan-Sabarmati link	-do-	Rajasthan & Gujarat	Draft FR completed
8.	Chunar-Sone Barrage link	Bihar & Uttar Pradesh	Bihar & Uttar Pradesh	Draft FR completed
9.	Sone Dam – Southern Tributaries of Ganga link	Bihar & Jharkhand	Bihar & Jharkhand	FR in progress
10.	Ganga(Farakka)-Damodar-Subernarekha link	West Bengal, Odisha & Jharkhand	West Bengal, Odisha & Jharkhand	Draft FR completed
11.	Subernarekha-Mahanadi link	West Bengal & Odisha	West Bengal & Odisha	Draft FR Completed
12.	Kosi-Mechi link	Bihar , West Bengal & Nepal	Bihar	PFR completed. FR to be taken up Entirely lies in Nepal
13.	Farakka-Sunderbans link	West Bengal	West Bengal	Draft FR completed
14.	Jogighopa-Tista-Farakka link (Alternative to M-S-T-G)	-do-	Assam, West Bengal & Bihar	Alternative to M-S-T-G Link. Not to be taken up.

FR -- Feasibility Report

PFR – Pre feasibility Report

DPR – Detailed Project Report

S&I -- Survey and Investigation

MCM -- Million Cubic Meters

**ANNEXURE-II**

Annexure referred to in reply to part (a) of Unstarred Question No. 397 due for answer in Lok Sabha on 25.02.2016 regarding Inter-linking of Rivers.

S. No.	Links projects for which DPR is completed	Estimated expenditure as per DPR
1.	Ken-Betwa (Phase-I & Phase-II) link	The estimated cost of Ken-Betwa Link Project Phase-I and Phase-II are about Rs. 9392.99 crores (2007-08 price level) and about Rs.2282.94 crores (2012-13 price level) respectively.
2.	Damanganga – Pinjal link	The estimated cost of Damanganga-Pinjal link Project is about Rs.2746.61 crores (2013-14 price level).
3.	Par-Tapi-Narmada link	The estimated cost of Par-Tapi-Narmada Link Project is almost 9279 cr. (2014-15 price level)
4.	BurhiGandak-Noon-Baya-Ganga Link Project	The estimated cost of BurhiGandak-Noon-Baya-Ganga Link Project is about Rs.4213.75 crores (2012-13 price level).
5.	Kosi-Mechi Link Project	The estimated cost of Kosi-Mechi Link Project is about Rs.2903.25 crores (2013-14 price level)

### ANNEXURE-III

Annexure referred to in reply to part (b) of Unstarred Question No. 397 due for answer in Lok Sabha on 25.02.2016 regarding Inter-linking of Rivers.

#### Link wise Details of objections raised by various State Governments

S.No.	Name of Link Project	Concerned States	Objections raised
1	Pamba - Achankovil - Vaippar link	Tamil Nadu & Kerala	Kerala Assembly has passed a resolution against taking up of the Link Project (2003)
2	Parbati – Kalisindh – Chambal link	Madhya Pradesh & Rajasthan	Govt. of Madhya Pradesh wants to implement intra-State Links in place of this Link Project.
3	Mahanadi (Manibhadra) – Godavari link	Odisha	Govt. of Odisha is not agreeable to this link Project due to large submergence of Manibhadra dam/reservoir and wants alternate diversion point.
4	Netravati – Hemavati link	Karnataka & TamilNadu	Govt. of Karnataka intends to utilize Netravati water as per its own plan.

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