

Inter-linking of minor and major rivers for floods and drought

†2456. SHRI RAM KUMAR KASHYAP: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

(a) whether Government is working on any plan to inter-link minor and major rivers of the country, in view of problem of drought and floods occurring in various parts of the country;

(b) if so, the details thereof and the timeframe within which it is proposed to be accomplished;

(c) whether Government is taking some steps to control the water flow coming from Nepal and other neighbouring countries in addition to rivers of the country; and

(d) if so, the details thereof and the amount to be spent thereon and in how many years this amount would be spent, year-wise?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (DR. SANJEEV KUMAR BALYAN): (a) and (b) The inter-linking of rivers is considered to be essential for addressing the twin problems of water scarcity and flooding in the country. Inter-linking of River (ILR) Programme has therefore, been taken up on high priority. This Ministry has formulated a National Perspective Plan for water resources development envisaging interbasin transfer of water in the country. The projects under the ILR Programme are at various stages of planning. NWDA has identified 30 links (16 under Peninsular Component and 14 under Himalayan Component) for preparation of Feasibility Reports. After survey and investigations feasibility Reports of 14 links under Peninsular Component and two links in the Himalayan Components have been prepared. The DPRs of Ken-Betwa Phase-I and II, Daman-Ganga-Pinjal, Par-Tapi-Narmada have been prepared and shared with the States. Pre-Feasibility Reports of 36 Intra-State link proposals out of 46 proposals of Intra-State links have also been completed.

These DPRs are at various stages of approval. The in-principle approval of the Standing Committee of the National Wild Life Board has been received for the Ken-Betwa Link Project. The Government is planning to start implementing this National Project as a model link project of ILR programme, which will benefit the drought prone areas of Bundelkhand Region in Uttar Pradesh and Madhya Pradesh.

† Original notice of the question was received in Hindi.

The present status of Inter Basin Water Transfer Links, the States involved, names of rivers and status of Feasibility Reports/Detailed Project Report (DPR) is given in Statement (*See* below).

In order to speed up the implementation of Inter-linking of River Programme and to arrive at a consensus on the link proposals between the States, a 'Special Committee for Inter-linking of Rivers', has been constituted by this Ministry in September, 2014. Ten meetings of the Special Committee for Inter-linking of Rivers (ILR) have been held so far, wherein State Irrigation/Water Resources Ministers along with the Secretaries of various States attended the meetings. The Committee after considering the views of all the stakeholders is taking all necessary steps for expediting the objectives of inter-linking rivers programme as per terms of reference of the Committee.

(c) and (d) The Government of India has been constantly persuading the Government of Nepal for construction of dams on these rivers for mutual benefit of the two countries through existing bilateral mechanisms comprising of (i) Joint Ministerial Level Commission on Water Resources (JMCWR), (ii) Joint Committee on Water Resources (JCWR), and (iii) Joint Standing Technical Committee (JSTC). Broad outcomes of the dialogues mechanism are given below:—

1. Pancheshwar Development Authority (PDA) has been set up jointly by India and Nepal for execution, operation and maintenance of the Pancheshwar Multipurpose Project on river Sharda. The work of finalisation of DPR of the Project has been entrusted to M/s WAPCOS Limited.
2. Survey and Investigation including preparation of DPRs of Sapta Kosi High Dam Project and Sun Koshi Storage-cum-Diversion Scheme proposed in the Sapta Kosi basin in Nepal have been undertaken. A Joint Project Office – Sapta Kosi Sun Kosi Investigation (JPO-SKSKI) was set up in August, 2004 for undertaking joint field investigations, studies and preparation of Detailed Project Report (DPR) for Sapta Kosi High Dam Multipurpose Project and Sun Kosi Storage-cum-Diversion Scheme. To accomplish the works and prepare DPRs, the tenure of JPO-SKSKI has been extended upto 28th February, 2017.

Statement*Present status of Inter Basin Water Transfer Links*

Sl. No.	Name	States concerned	States benefited	Status
1	2	3	4	5
Peninsular Component				
1.	Mahanadi (Manibhadra) - Godavari (Dowlaiswaram) link	Odisha, Maharashtra, Andhra Pradesh, Karnataka, and Chhattisgarh	Andhra Pradesh and Odisha	Feasibility Report Completed
2.	Godavari (Inchampalli)-Krishna (Pulichintala) link	Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Telangana, Karnataka and Chhattisgarh	Telangana and Andhra Pradesh	Feasibility Report Completed
3.	Godavari (Inchampalli)-Krishna (Nagarjunasagar) link	Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Telangana, Karnataka and Chhattisgarh	Telangana	Feasibility Report Completed
4.	Godavari (Polavaram)-Krishna (Vijayawada) link	Odisha, Maharashtra, Andhra Pradesh, Karnataka, and Chhattisgarh	Andhra Pradesh	Feasibility Report Completed
5.	Krishna (Almatti)-Pennar link	Maharashtra, Andhra Pradesh, Telangana and Karnataka	Andhra Pradesh and Karnataka	Feasibility Report Completed
6.	Krishna (Srisailem)-Pennar link	-do-	- do -	Feasibility Report Completed

1	2	3	4	5
7.	Krishna (Nagarjunasagar)- Pennar (Somasila) link	Maharashtra, Andhra Pradesh, Telangana and Karnataka	Andhra Pradesh	Feasibility Report Completed
8.	Pennar (Somasila)- Cauvery (Grand Anicut) link	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala and Puducherry	Andhra Pradesh, Tamil Nadu and Puducherry	Feasibility Report Completed
9.	Cauvery (Kattalai)- Vaigai-Gundar link	Karnataka, Tamil Nadu, Kerala and Puducherry	Tamil Nadu	Feasibility Report Completed
10.	Ken-Betwa link (a) Ken-Betwa Link Phase-I (b) Ken-Betwa Link Phase-II	Uttar Pradesh and Madhya Pradesh -do-	Uttar Pradesh and Madhya Pradesh Madhya Pradesh	FR completed also DPR Phase-I completed in April, 2010 and DPR Phase-II Completed in January, 2014
11.	Parbati-Kalisindh- Chambal link	Madhya Pradesh, Rajasthan and Uttar Pradesh (UP requested to be consulted during consensus building)	Madhya Pradesh and Rajasthan	Feasibility Report Completed
12.	Par-Tapi-Narmada link	Maharashtra and Gujarat	Gujarat	FR Completed also DPR Completed in August, 2015
13.	Damanganga-Pinjal link	-do-	Maharashtra (only water supply to Mumbai)	FR Completed also DPR Completed in March, 2014

1	2	3	4	5
14.	Bedti-Varda link	Maharashtra, Andhra Pradesh and Karnataka	Karnataka	Pre-Feasibility Report Completed
15.	Netravati-Hemavati link	Karnataka, Tamil Nadu and Kerala	Karnataka	Pre-Feasibility Report Completed
16.	Pamba-Achankovil-Vaippar link	Kerala and Tamil Nadu,	Tamil Nadu	Feasibility Report Completed
Himalayan Component				
1.	Manas-Sankosh-Tista-Ganga (M-S-T-G) link	Assam, West Bengal, Bihar and Bhutan	Assam, West Bengal and Bihar	FR in progress
2.	Kosi-Ghaghra link	Bihar, Uttar Pradesh and Nepal	Bihar and 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 and Nepal	Uttar Pradesh and Uttarakhand	FR Completed (for Indian portion)
6.	Yamuna-Rajasthan link	Uttar Pradesh, Gujarat, Haryana and Rajasthan	Haryana and Rajasthan	Draft FR Completed
7.	Rajasthan-Sabarmati link	-do-	Rajasthan and Gujarat	Draft FR Completed
8.	Chunar-Sone Barrage link	Bihar and Uttar Pradesh	Bihar and Uttar Pradesh	Draft FR Completed

1	2	3	4	5
9.	Sone Dam-Southern Tributaries of Ganga link	Bihar and Jharkhand	Bihar and Jharkhand	FR in progress
10.	Ganga (Farakka)-Damodar-Subernarekha link	West Bengal, Odisha and Jharkhand	West Bengal, Odisha and Jharkhand	Draft FR completed
11.	Subernarekha-Mahanadi link	West Bengal and Odisha	West Bengal and Odisha	Draft FR Completed
12.	Kosi-Mechi link	Bihar, West Bengal and 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)	Assam, West Bengal and Bihar	Assam, West Bengal and 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

Amendments of Brahmaputra Board Act

2457. SHRI HISHEY LACHUNGPA: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

(a) whether it is a fact that the amendments in the Brahmaputra Board Act, with a view to efficiently manage the Brahmaputra floods, are pending with the Ministry for quite some time;

(b) if so, the reasons for this long pendency; and

(c) by when the Ministry intends to move the amendments?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (DR. SANJEEV KUMAR BALYAN): (a) to (c) A decision for restructuring Brahmaputra Board was taken in