

- The "Punjab Preservation of Subsoil Water Act, 2009" has been enacted to alter the crop calendar whereby paddy transplantation can be done only after 15th June or as per date notified by Government of Punjab.
- Lining of water courses carried out to increase the areas under irrigation. In addition cleaning of canals has been carried out, which will help in recharging ground water resources.
- The programme for promotion of Micro Irrigation (MI) System and Underground Pipeline System (UGPS) by the Department of Soil and Conservation has been started in all districts since 2006-07 and 2007-08 respectively. Construction of Check Dams/Small Water Harvesting Structures in sub-mountainous area is ongoing to conserve water resources.
- Use of Resource Conservation Technology (RCT) is being propagated for reducing the irrigation water demands.

**River inter-linking under Peninsular Component**

1431. SHRIMATI SASIKALA PUSHPA: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) the details of rivers identified for inter-linking under Peninsular Component;
- (b) the details of progress made, so far;
- (c) the details of funds earmarked for this purpose;
- (d) the details of funds released, so far; and
- (e) the tentative time by which interlinking of peninsular rivers would be completed?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (Dr. SANJEEV KUMAR BALYAN): (a) and (b) Under the National Perspective Plan for water resources development through inter basin water transfer prepared by this Ministry, National Water Development Agency (NWDA) has identified 16 links from the Peninsular Component for preparation of Feasibility Reports (FRs). The pre-feasibility reports of all these links have been prepared and circulated to the concerned State Governments by the NWDA. After survey and investigations, FRs of 14 links under Peninsular Component have also been completed. Present status and States benefiting from Inter Basin Water Transfer Links under Peninsular Component is given in the Statement (*See below*).

Four priority links for preparation of Detailed Project Report (DPR) under Peninsular

Component have been identified viz, Ken-Betwa Link Phase-I and II, Damanganga-Pinjal Link, Par-Tapi-Narmada Link and Mahanadi-Godavari Link.

The DPR of Ken-Betwa Link Project Phase-I has been prepared by NWDA, appraised by CWC and accepted by Advisory Committee of this Ministry. The Wildlife clearance for this project has been received and other statutory clearances are in an advanced stage of approval. The Government is planning to start implementing this National Project-as a model link project, to provide irrigation facilities to an area of about 6.7 lakh ha annually in drought prone districts of Bundelkhand. The DPR of Damanganga-Pinjal Link, which shall provide water supply to the Mumbai City has been prepared by NWDA, appraised by CWC and accepted by Advisory Committee of this Ministry. DPR of Par-Tapi-Narmada Link project benefiting drought prone areas of Kutch and Saurashtra of Gujarat has also been completed by NWDA and submitted to the concerned States of Gujarat and Maharashtra in August 2015.

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 systems viz., Mahanadi-Godavari-Krishna-Pennar-Palar-Cauvery-Vaigai-Gundar linkage due to large submergence involved in Manibhadra Dam. Based on the suggestions of WRD, Government of Odisha, NWDA has prepared a preliminary revised proposal of Mahanadi-Godavari Link Project with reduced submergence and submitted the same to the State Government of Odisha. A presentation on the revised proposal of Mahanadi-Godavari Link Project was made to the Hon'ble Chief Minister, Government of Odisha on 29.05.2015 by the senior officers of MoWR, RD and GR. The revision of water balance study of Mahanadi basin has been entrusted to National Institute of Hydrology, Roorkee.

(c) and (d) The requirement of funds will be known only after the completion and appraisal of DPRs of all individual Link projects. As per DPR, the estimated cost of Ken-Betwa Link Project Phase-I is about ₹ 18057.08 crores (2015-16 price level). The estimated cost of Damanganga-Pinjal link Project is about ₹ 3008 crores (2015-16) price level). As implementation of any inter-linking project has not been taken up, no funds for the purpose have been earmarked released so far. Grant-in-aid of ₹ 575.09 crore has been released till date to NWDA for carrying out survey, investigation and other studies on inter-linking of rivers.

(e) The Government is pursuing the Interlinking of Rivers program in a consultative manner. It involves various steps such as preparation of Pre feasibility Reports (PFRs)/Feasibility Reports (FRs) of links, negotiation and consensus among concerned States, preparation of DPRs of the projects, clearance from appraisal agencies which includes clearance by Ministry of Environment and Forests and Climate Change

(MoEF&CC) and Ministry of Tribal Affairs (MoTA), techno-economic clearance by Technical Advisory Committee of Ministry of Water Resources, River Development and Ganga Rajuvenation investment clearance. The target time for the completion of any project will depend upon the time required for the completion of the project as per DPR.

***Statement***

*Details of States benefiting from Inter Basin Water transfer Links  
under Peninsular Component*

Sl.No.	Name	Rivers	States concerned	Status
<b>Peninsular Component</b>				
1.	Mahanadi (Manibhadra)-Godavari (Dowlaiswaram) link	Mahanadi and Godavari	Odisha, Maharashtra, Andhra Pradesh, Karnataka and Chhattisgarh	FR Completed
2.	Godavari (Inchampalli)- Krishna (Pulichintala) link	Godavari and Krishna	-do-	FR Completed
3.	Godavari (Inchampalli)-Krishna (Nagarjunasagar) link	Godavari and Krishna	Odisha, Maharashtra, Madhya Pradesh, Andhra Pradesh, Karnataka and Chhattisgarh	FR Completed
4.	Godavari (Polavaram)- Krishna (Vijayawada) link	Godavari and Krishna	Odisha, Maharashtra, Andhra Pradesh, Karnataka, and Chhattisgarh	FR Completed
5.	Krishna (Almatti)- Pennar link	Krishna and Pennar	-do-	FR Completed
6.	Krishna (Srisailem)- Pennar link	Krishna and Pennar	-do-	FR Completed
7.	Krishna (Nagarjunasagar)- Pennar (Somasila) link	Krishna and Pennar	Maharashtra, Andhra Pradesh and Karnataka	FR Completed

Sl.No.	Name	Rivers	States concerned	Status
8.	Pennar (Somasila)-Cauvery (Grand Anicut) link	Pennar and Cauvery	Andhra Pradesh, Karnataka, Tamil Nadu, Kerala and Puducherry	FR Completed
9.	Cauvery (Kattalai)-Vaigai-Gundar link	Cauvery, Vaigai and Gundar	Karnataka, Tamil Nadu, Kerala and Puducherry	FR Completed
10.	Ken-Betwa link	Ken and Betwa	Uttar Pradesh and Madhya Pradesh	FR and DPR (Ph-I&II) Completed
11.	Parbati-Kalisindh-Chambal link	Parbati, Kalisindh and Chambal	Madhya Pradesh, Rajasthan and Uttar Pradesh (UP requested to be consulted during consensus building)	FR Completed
12.	Par-Tapi-Narmada link	Par, Tapi and Narmada	Maharashtra and Gujarat	FR and DPR Completed
13.	Damanganga-Pinjal link	Damanganga and Pinjal	Maharashtra and Gujarat	FR and DPR Completed.
14.	Bedti-Varda link	Bedti and Varda	Maharashtra, Andhra Pradesh and Karnataka	PFR Completed
15.	Netravati-Hemavati link	Netravati and Hemavati	Karnataka, Tamil Nadu and Kerala	PFR Completed
16.	Pamba-Achankovil-Vaippar link	Pamba, Achankovil and Vaippar	Kerala and Tamil Nadu	FR Completed

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PFR-Pre Feasibility Report

FR-Feasibility Report;

DPR-Detailed Project Report