

Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. The scheme is being implemented with the financial assistance of World Bank with a sharing pattern of 50:50 between Government of India and World Bank.

Central Government supports construction of water harvesting and conservation works primarily through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) and Pradhan Mantri Krishi Sinchayee Yojana- Watershed Development Component (PMKSY-WDC). Further, the activities being undertaken through the watershed development projects *inter alia* include ridge area treatment, drainage line treatment, soil and moisture conservation, rain water harvesting, nursery raising, afforestation, horticulture, pasture development, livelihoods for asset-less persons, etc.

Department of Agriculture, Cooperation and Farmers' Welfare is implementing Per Drop More Crop (PDMC) component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) which is operational since 2015-16 in the country. The PMKSY-PDMC mainly focuses on water use efficiency at farm level through precision/micro irrigation and further supports micro level water storage or water conservation/management activities.

As per the information made available by Department of Agriculture, Cooperation and Farmers Welfare, the net sown area in the country (as on 16th July, 2019) is 140130 thousand Ha and net irrigated area is 68385 thousand Ha.

Central Ground Water Authority (CGWA) has been constituted under Section 3(3) of the 'Environment (Protection) Act, 1986' for the purpose of regulation and control of ground water development and management in the country. CGWA is regulating ground water withdrawal by industries/infrastructure/mining projects in the country for which guidelines/criteria have been framed which includes rainwater harvesting as one of the provisions while issuing No Objection Certificate.

#### **Achievement of inter-linking of major rivers**

†1216. DR. SATYANARAYAN JATIYA: Will the Minister of JAL SHAKTI be pleased to state the policy of inter-linking the major rivers of country, details of

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†Original notice of the question was received in Hindi.

measures taken, the achievements made by Government in this regard and the estimated cost of the projects along with the names of rivers?

THE MINISTER OF STATE IN THE MINISTRY OF JAL SHAKTI (SHRI RATTAN LAL KATARIA): The National Perspective Plan (NPP) was prepared by the then Ministry of Irrigation (now Ministry of Jal Shakti) 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 and 14 under Himalayan Component) for preparation of Feasibility Reports (FRs). The details of above river linking projects *viz.*, rivers, States concerned is given in Statement-I (*See* below).

Under the NPP, four priority links have been identified for preparation of Detailed Project Reports (DPRs) under the Peninsular Rivers Component *viz.*; Ken-Betwa link project (KBLP), Damanganga-Pinjal link project, Par-Tapi-Narmada link project and Godavari-Cauvery link project. The DPRs of KBLP, Damanganga-Pinjal link project and Par-Tapi-Narmada link project have been sent to the concerned States.

Further, draft DPR of Godavari-Cauvery link project consisting of three links *viz.*; Godavari (Inchampalli/Janampet) - Krishna (Nagarjunasagar), Krishna (Nagarjunasagar) - Pennar (Somasila), Pennar (Somasila)-Cauvery (Grand Anicut) link projects has been completed and circulated to party States in March, 2019.

The details of the estimated cost of the four priority links of the inter-linking of rivers (ILR) projects under NPP is given in the Statement-II (*See* below).

The Government is pursuing the ILR programme in a consultative manner. A "Special Committee on Interlinking of Rivers" has been constituted in September, 2014 for the implementation of ILR programme. Seventeen meetings of the Special Committee have been held so far. Further, a Task Force for Interlinking of Rivers has been constituted by MoWR, RD & GR (now Ministry of Jal Shakti) in April, 2015 and eleven meetings of the Task Force have been held so far. Efforts have been made for building consensus among the concerned States and also setting out road maps for implementation of the projects.

**Statement-I**

*Names of Inter Basin Water Transfer Links, the States involved,  
names of rivers and status of Feasibility  
Reports/Detailed Project Report*

Sl. No.	Name	Rivers	States concerned	Status of PFR/FR/DPR
1	2	3	4	5
<b>A. Peninsular Component</b>				
1.	Mahanadi (Manibhadra) - Godavari(Dowlaiswaram) link	Mahanadi & Godavari	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chhattisgarh	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 & Chhattisgarh	FR Completed
4.	Godavari (Polavaram) - Krishna (Vijayawada) link	Godavari & Krishna	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chhattisgarh	FR Completed
5.	Krishna (Almatti) -Pennar link	Krishna & Pennar	-do-	FR Completed

1	2	3	4	5
6.	Krishna (Srisaïlam) -Pennar link	Krishna & Pennar	Odisha, Maharashtra, Andhra Pradesh, Karnataka, & Chhattisgarh	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 &Comprehensive) 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
<b>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

1	2	3	4	5
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

**Statement-II***The estimated cost of the four prioritised inter-linking of rivers projects*

Sl. No.	Name of the link project	Estimated cost (₹ in crore)	Price level
1.	Ken-Betwa Link Project (as per Comprehensive DPR)	35111.24	2017-18
2.	Damanganga-Pinjal Link Project (as per DPR)	3008.49	2015-16
3.	Par-Tapi-Narmada Link Project (as per DPR)	10211.24	2014-15
4.	Godavari(Inchampalli/Janampet)- Cauvery (Grand Anicut) Link Project (as per draft DPR)	60361.00	2018-19

• DPR- Detailed Project Report

\* The cost of the remaining link projects will be known after preparation of DPRs of respective link projects.

**Sharing of waters of Krishna and Godavari rivers between  
Andhra Pradesh and Telangana**

1217. DR. K.V.P. RAMACHANDRA RAO: Will the Minister of JAL SHAKTI be pleased to state:

(a) whether Government has taken any steps to resolve the pending issues between States of Andhra Pradesh and Telangana, regarding sharing of Krishna and Godavari river waters, issues related to Krishna and Godavari Boards and proposed new projects on these rivers and other issues;

(b) if so, the details thereof; and

(c) the contentious issues between these States, solutions suggested by Government for their redressal?

THE MINISTER OF STATE IN THE MINISTRY OF JAL SHAKTI (SHRI RATTAN LAL KATARIA): (a) to (c) A meeting was convened with the officials of the States of