

### Inter-linking of rivers

\*439. SHRI T.M. SELVAGANAPATHI: Will the Minister of WATER RESOURCES be pleased to state:

(a) whether it is a fact that many countries in the world were able to link various rivers existing in their countries to ensure equal availability of water across their country;

(b) if so, whether Government had taken into consideration such task initiated in any country;

(c) if so, the details thereof; and

(d) whether it is also a fact that Government had taken a decision to expedite inter-linking of rivers?

THE MINISTER OF WATER RESOURCES (SHRI PAWAN KUMAR BANSAL): (a) Yes, Sir. Many countries such as United States of America (U.S.A.), Canada, China and former USSR etc., including India have executed Inter-Basin Water Transfer link projects for diversion of water from water rich basins to water short basins/areas.

(b) to (d) The Ministry of Water Resources (MOWR) (erstwhile Ministry of Irrigation) formulated a National Perspective Plan (NPP) for Water Resources Development in 1980 envisaging inter-basin transfer of water from surplus basins to deficit basins/areas which comprises two components, namely, Himalayan Rivers Development Component and Peninsular Rivers Development Component. National Water Development Agency (NWDA) was set up under the MOWR in 1982 for carrying out various technical studies to establish the feasibility of the proposals of NPP and to give concrete shape to it. Based on various studies conducted, NWDA has identified 30 links (16 under Peninsular Component and 14 under Himalayan Component) for preparation of Feasibility Reports (FRs). Out of these, FRs of 14 links under Peninsular Component and FRs of 2 links (Indian Portion) under Himalayan Component have been completed.

The National Common Minimum Programme (NCMP) of the last UPA Government indicated that it would make a comprehensive assessment of the feasibility of linking the rivers of the country starting with the south-bound rivers and this assessment would be done in a fully consultative manner. It would also explore the feasibility of linking sub-basins of rivers in States like Bihar. After the comprehensive assessment, it was decided that river linking programme be continued with a focus on peninsular rivers. Five links under Peninsular Component namely (i) Ken-Betwa, (ii) Parbati-Kalisindh-Chambal, (iii) Damanganga-Pinjal, (iv) Par-Tapi-Narmada and (v) Godavari (Polavaram)—Krishna (Vijayawada) were identified as priority links for building consensus among the concerned States for taking up their DPRs. Also, the preparation of Detailed Project Reports (DPRs) of link projects and pre-feasibility/feasibility reports of

intra-state links as proposed by States, were included in the functions of NWDA *vide* resolution dated 30.11.2006.

Detailed Project Report (DPR) of one priority link namely, Ken-Betwa was completed and sent to the Governments of Madhya Pradesh and Uttar Pradesh for comments. The Government of Madhya Pradesh has suggested an alternative proposal. Now the DPR of the project is to be prepared for two phases. The DPR of the phase-I has been completed and sent to the Government of Madhya Pradesh and Uttar Pradesh in May, 2010 for comments. Further, NWDA has taken up the DPRs of two more priority links after concurrence of the concerned States, namely Par-Tapi-Narmada and Damanganga-Pinjal which are planned to be completed by December, 2011. Another priority link namely, Godavari (Polavaram)—Krishna (Vijawada) link is part of the Polavaram project of the Andhra Pradesh. Planning Commission has given investment clearance to the Polavaram Project and the Government of Andhra Pradesh has taken up the above project including link component as per their proposals.

The consensus building for eight more links under Mahanadi-Godavari-Krishna-Pennar-Cauvery-Vaigai-Gundar linkage system for taking up their DPRs with concerned States has been initiated. The link-wise status of inter-linking of rivers proposals under NPP is furnished in the Statement-I (*See below*).

So far, NWDA has received 36 proposals of intra-State links from 7 States *viz.* Maharashtra, Gujarat, Jharkhand, Orissa, Bihar, Rajasthan and Tamil Nadu. Out of above, Pre-Feasibility Reports (PFRs) of 12 intra-State links have been completed by NWDA. Details of intra-State link proposals received from the State Governments alongwith the names of respective rivers to be inter-linked and status of studies is given in the enclosed Statement-II.

#### ***Statement-I***

##### *List of water transfer links identified under NPP and their status*

#### **Peninsular Rivers Development Component**

1. Mahanadi (Manibhadra) — Godavari (Dowlaiswaram)	— FR completed
2. Godavari (Polavaram) — Krishna (Vijayawada) link* their own proposal	— Taken up by the State as per
3. Godavari (Inchampalli) — Krishna (Pulichintala) link	— FR completed
4. Godavari (Inchampalli) — Krishna (Nagarjunasagar) link	— FR completed
5. Krishna (Nagarjunasagar) — Pennar (Somasila) link	— FR completed
6. Krishna (Srisailem) — Pennar link	— FR completed
7. Krishna (Almatti) — Pennar link	— FR completed

8. Pennar (Somasila) — Cauvery (Grand Anicut) link	— FR completed
9. Cauvery (Kattalai) — Vaigai — Gundar link	— FR completed
10. Parbati — Kalisindh — Chambal link*	— FR completed
11. Damanganga — Pinjal link*	— FR completed and <b>DPR</b> taken up
12. Par — Tapi — Narmada link*	— FR completed and <b>DPR</b> taken up
13. Ken — Betwa link*	— <b>DPR of phase I</b> <b>completed</b>
14. Pamba — Achankovil — Vaippar link	— FR completed.
15. Netravati — Hemavati link	— PFR completed
16. Bedti — Varda link	— FR taken up

#### **Himalayan Rivers Development Component**

1. Kosi — Mechi link	— Entirely lies in Nepal
2. Kosi — Ghaghra link	— S&I works taken up
3. Gandak — Ganga link	— S&I works taken up
4. Ghaghra — Yamuna link	— FR completed (for Indian portion)
5. Sarda — Yamuna link	— FR completed (for Indian portion)
6. Yamuna — Rajasthan link	— S&I works completed
7. Rajasthan — Sabarmati link	— S&I works completed
8. Chunar — Sone Barrage link	— S&I works completed
9. Sone Dam — Southern Tributaries of Ganga link	— S&I works taken up
10. Manas — Sankosh — Tista — Ganga (M-S-T-G) link	— S&I works taken up
11. Jogighopa — Tista — Farakka (Alternate to M-S-T-G) link	— S&I works taken up
12. Farakka-Sunderbans link	— S&I work completed
13. Ganga-Damodar-Subernarekha link	— S&I work completed
14. Subernarekha-Mahanadi link	— S&I work completed

\*Priority links

PFR — Pre-Feasibility Report; FR — Feasibility Report; DPR — Detailed Project Report S&I — Survey and Investigation in Indian portion.

**Statement-II**

*Details of intra-state link proposals received from the State Government alongwith  
the names of respective rivers to inter-linked and status of studies*

Sl. No.	Name of intra-state link	Present status/Target of completion of PFR
1	2	3
<b>Maharashtra</b>		
1.	Wainganga (Goshikurd) — Nalganga (Purna Tapi) [Wainganga — Western Vidarbha and Pranhita — Wardha links merged and extended through Kanhan — Wardha link]	Completed
2.	Wainganga — Manjira Valley	Completed
3.	Upper Krishna — Bhima (System of six links)	2010-11
4.	Upper Ghat — Godavari Valley	2010-11
5.	Upper Vaitarna — Godavari Valley	2010-11
6.	North Konkan — Godavari Valley	2010-11
7.	Koyna — Mumbai city	2010-11
8.	Sriram Sagar Project (Godavari) — Purna — Manjira	*
9.	Wainganga (Goshikurd) — Godavari (SRSP)	*
10.	Middle Konkan — Bhima Valley	*
11.	Koyna — Nira	*
12.	Mulsi — Bhima	*
13.	Savithri — Bhima	*
14.	Kolhapur — Sangli — Sangola	*
15.	Riverlinking projects of Tapi basin and Jalgaon District	*
16.	Nar — Par — Girna Valley	*
17.	Narmada — Tapi	*
18.	Khariagutta — Navatha Satpura foot hills	*
19.	Kharia Ghuti Ghat — Tapi	*
20.	Jigaon — Tapi — Godavari Valley	*
<b>Gujarat</b>		
21.	Damanganga — Sabarmati — Chorwad	2011-12

1	2	3
<b>Orissa</b>		
22.	Mahanadi — Brahmani	Completed
23.	Mahanadi — Rushikulya (Barmul Project)	2011-12
24.	Vamsadhara — Rushikulya (Nandini Nalla project)	2011-12
<b>Jharkhand</b>		
25.	South Koel — Subernarekha	Completed
26.	Sankh — South Koel	Completed
27.	Barkar — Damodar — Subernarekha	Completed
<b>Bihar</b>		
28.	Kosi — Mechi (entirely lie in India)	Completed
29.	Barh — Nawada	Completed
30.	Kohra — Chandravat (now Kohra-Lalbegi)	Completed
31.	Burhi Gandak — None — Baya — Ganga	Completed
32.	Burhi Gandak — Bagmati (Belwadhar)	Completed
33.	Kosi — Ganga	Completed
<b>Rajasthan</b>		
34.	Mahi — Luni link	*
35.	Wakal — Sabarmati — Sei — West Banas — Kamberi link	*
<b>Tamil Nadu</b>		
36.	Pennaiyar — Palar link	*

\*Targets being fixed in consultations with concerned States.

#### Shifting of offices to Kashmir Valley

\*440. SHRI G.N. RATANPURI: Will the PRIME MINISTER be pleased to state :

(a) the reasons for delay in shifting back to Kashmir Valley, those archaeological offices under the Ministry that were moved out due to militancy twenty years ago;

(b) whether absence of senior officers from the Valley has been adversely affecting the maintenance of protected archaeological sites thereto.;

(c) whether any schedule has been fixed to move back all such offices and officers that had been shifted from Kashmir Valley during the last 21 years; and

(d) if so, the details thereof?