

1	2	3	4	5
18.	Meghalaya	11	0	0
19.	Mizoram	22	0	0
20.	Nagaland	11	0	0
21.	Odisha	314	0	0
22.	Punjab	138	105	76
23.	Rajasthan	248	164	66
24.	Sikkim	-	-	-
25.	Tamil Nadu	1139	358	31
26.	Telangana	443	46	10
27.	Tripura	39	0	0
28.	Uttar Pradesh	820	113	14
29.	Uttarakhand	18	0	0
30.	West Bengal	268	0	0
TOTAL (STATES)		6533	1033	16
<b>Union Territories</b>				
1.	Andaman and Nicobar Islands	34	0	0
2.	Chandigarh	1	0	0
3.	Dadra and Nagar Haveli	1	0	0
4.	Daman and Diu	2	0	0
5.	Lakshadweep	9	0	0
6.	Puducherry	4	1	25
TOTAL (UTs)		51	1	2
GRAND TOTAL		6584	1034	16

**Storage sites for surplus water of Mahanadi and Godavari rivers**

1416. DR. SASIKALA PUSHPA RAMASWAMY: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

(a) whether it is a fact that Government has identified multiple storage sites for surplus waters for the nine link system of Mahanadi-Godavari-Krishna-Pennar-Cauvery-Vaigai-Gundar under the proposal to transfer combined surplus waters of

Mahanadi and Godavari rivers to Krishna-Pennar-Cauvery-Vaigai-Gundar rivers;

(b) if so, the details thereof;

(c) whether Government has made any headway in preparation of Detailed Project Report (DPR);

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (SHRI ARJUN RAM MEGHWAL): (a) to (e) Under Peninsular Component of National Perspective Plan (NPP) for Water Resources Development the following nine links have been proposed under Mahanadi-Godavari-Krishna Pennar-Cauvery-Vaigai-Gundar scheme.

- (i) Mahanadi (Manibhadra)-Godavari (Dowlaiswaram) link project
- (ii) Godavari (Inchampalli)-Krishna (Nagarjunasagar) link project
- (iii) Godavari (Inchampalli)-Krishna (Pulichintala) link project
- (iv) Godavari (Polavaram)-Krishna (Vijayawada) link project
- (v) Krishna (Almatti)-Pennar link project
- (vi) Krishna (Srisailem)-Pennar link project
- (vii) Krishna (Nagarjunasagar)-Pennar (Somasila) link project
- (viii) Pennar (Somasila)-Palar-Cauvery (Grand Anicut) link project
- (ix) Cauvery (Kattalai)-Vaigai-Gundar link project

National Water Development Agency (NWDA) has completed the Feasibility Reports (FRs) of the above link projects. The Godavari (Polavaram)-Krishna (Vijayawada) link project has been implemented by Government of Andhra Pradesh as per their own planning. Under the above nine links, the following proposed storage sites are involved in addition to existing Almatti, Nagarjunasagar, Somasila, Srisailem and Pulichintala dams.

1. Manibhadra Dam (proposed by Government of Odisha)
2. Inchampalli dam (Proposed by undivided Andhra Pradesh)
3. Kattalai Barrage (Proposed by NWDA in the FR which was later on constructed by Government of Tamil Nadu)

Government of Odisha is now not agreeable for the Manibhadra dam due to large submergence. As an alternative, Mahanadi (Barmul)-Godavari link project has

been studied and sent to Government of Odisha for their concurrence. Hydrological Studies have been carried out by National Institute of Hydrology, Roorkee and the findings have been communicated to Government of Odisha.

Similarly, Chhattisgarh, Maharashtra and Telangana are not agreeable to the Inchampalli project due to large submergence.

Pending consensus on the above two dams, an alternative proposal *viz.* Godavari-Cauvery (Grand Anicut) has been examined and it has been decided to prepare the Detailed Project Report for the same. This link proposal envisages diversion of waters of Godavari basin to Krishna, Pennar and Cauvery basins. This link project is further proposed to be supplemented on finalisation of Mahanadi-Godavari link project proposal.

#### **Dam disasters in Gujarat**

1417. SHRI T. RATHINAVEL: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

(a) whether it is a fact that there are 213 large dams in the country which are over 100 years old;

(b) if so, the details thereof;

(c) whether it is also a fact that India had in the past reported 36 dam disasters including the worst one in Gujarat; and

(d) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (SHRI ARJUN RAM MEGHWAL): (a) and (b) As per National Register of Large Dams maintained in Central Water Commission (CWC), 209 Dams are more than 100 years old. The State-wise details are given in the Statement-I (*See* below).

(c) and (d) As per dam failure records maintained in CWC, there have been 36 reported dam failures in India. Out of these dam failures five dam failures namely Kaila, Dantiwada, Machhu II, Mitti and Pratappura occurred in Gujarat. Machhu II dam failure caused a loss of 1800 lives. The details of dam failures in India are given in the Statement-II.