

**GOVERNMENT OF INDIA  
WATER RESOURCES  
LOK SABHA**

STARRED QUESTION NO:638  
ANSWERED ON:10.05.2000  
WATER MANAGEMENT  
SUKDEO PASWAN;SUSHIL KUMAR INDORA

**Will the Minister of WATER RESOURCES be pleased to state:**

- (a) whether the Government have assessed the annual average rainfall in the country during the last three years;
- (b) if so, the details thereof, year-wise and State-wise;
- (c) the quantum of rain water being harvested and utilised for different purposes in the country; and
- (d) the steps being taken by the Government to speed up work on rain harvesting system throughout the country?

**Answer**

THE MINISTER OF WATER RESOURCES

( DR.C.P. THAKUR )

(a) to (d) A statement is laid on the Table of the House.

Statement referred to in reply to Parts (a) to (d) of Starred Question No.638 to be answered in the Lok Sabha on 10.05.2000 regarding Water Management.

India receives an average annual rainfall of about 4000 Billion Cubic Meter (BCM) . Out of this about 1869 BCM appears as average annual flow in the various rivers of the country.

India Meteorological Department has divided the country into 35 meteorological subdivisions. The yearwise annual average rainfall for 35 subdivisions covering different states during the period 1997-1999 is enclosed at Annex.

The utilisable surface water by conventional methods has been assessed as 690 BCM. To harness available water resources and augment water supplies, about 3600 large dams & reservoirs and 250 barrages have been constructed. A total live storage capacity of 177 BCM has been provided by 1995. An additional live storage capacity of 75 BCM will be created on completion of the dams, which are under various stages of construction. Proposals to take up additional dams to create a live storage of 132 BCM are also under formulation / consideration. The replenishable groundwater resources are of the order of 432 BCM out of which about 154 BCM has been developed for use.

Government of India is also promoting Rainwater Harvesting through Watershed Management Programme, Artificial Recharge of Ground Water and Roof-top Rainwater Harvesting under the sector reform project of Accelerated Rural Water Supply Programme under the Ministry of Rural Development for which technical and financial assistance is provided to the State Governments and other implementing agencies. Central Ground Water Board has also taken up pilot studies for artificial ground water recharge.

Actual utilisation for different purposes has not been assessed however, the projected demand for the various uses in the country as per the assessment made by Central Water Commission is as under.

USE WATER DEMAND FOR 2000  
(In billion cubic metre)

Irrigation	630	
Domestic		33
Industrially		30
Energy	27	
Others	30	

Total 750

## ANNEX

### Average Annual Rainfall in different Meteorological Sub-division of the Country.

(in m.m)

Sl. No.	Average Normal Rainfall	Actual Annual 1997	Actual Annual 1998	Actual Annual 1999	Average	Actual Annual 1996-1999	
1.	Andaman & Nicobar Island		2909	3116	2387	2740	2748
2.	Arunachal Pradesh		2874	2946	2590	3498	3011
3.	Assam and Meghalaya		2824	2660	2423	2841	2641
4.	Nagaland, Mizoram, Manipur & Tripura		1894	1591	1941	1535	1689
5.	Sub-Himalayan West Bengal & Sikkim		2662	2528	2403	3236	2722
6.	Gangetic West Bengal		1430	1379	1706	1390	1492
7.	Orissa		1477	1039	1545	1325	1303
8.	Bihar Plateau		1309	1198	1697	1374	1423
9.	Bihar Plains		1173	1110	1324	1352	1262
10.	U.P. East		1020	1033	1068	1128	1076
11.	Plains of U.P. West		889	927	892	1078	966
12.	Hills of U.P. West		1659	1249	1521	1724	1498
13.	Haryana, Chandigarh & Delhi		613	850	865	923	879
14.	Punjab		643	721	894	809	808
15.	Himachal Pradesh		1327	1191	1360	1356	1302
16.	Jammu and Kashmir		1004	1107	1192	716	1005
17.	Rajasthan West		313	479	577	397	484
18.	Rajasthan East		675	950	759	673	794
19.	M.P. West		1011	1155	1135	950	1080
20.	M.P. East		1311	1153	1325	1011	1163
21.	Gujarat Region, Daman, Dadra & Nagar Haveli		1101	1182	1408	1397	1329
22.	Saurashtra, Kutch & Diu		576	478	638	750	622
23.	Konkan and Goa		2990	2655	2896	3764	3105
24.	Madhya Maharashtra		900	965	1051	1135	1050
25.	Marathwada		840	844	824	1224	9