

**GOVERNMENT OF INDIA
WATER RESOURCES
LOK SABHA**

STARRED QUESTION NO:197
ANSWERED ON:15.12.2003
STUDY ON GROUND WATER RESOURCES
N.N. KRISHNADAS

Will the Minister of WATER RESOURCES be pleased to state:

- (a) whether the Government has conducted any study on ground water resources in the country;
- (b) if so, the details thereof, State-wise; and
- (c) if not, the reasons therefor?

Answer

THE MINISTER OF WATER RESOURCES (SHRI ARJUN CHARAN SETHI)

(a) to (c) A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY OF PARTS (a) TO (c) OF LOKSABHA STARRED QUESTION NO.197 FOR REPLY C 15.12.2003 REGARDING STUDY ON GROUND WATER RESOURCES

The Central Ground Water Board (CGWB), under the Ministry of Water Resources carries out scientific studies on ground water resources of the country on regular basis. The activities include survey of the ground water conditions, exploration of ground water resources, regular monitoring of ground water level, assessment of ground water resource potential and specific scientific studies like artificial recharge, conjunctive use etc. The State-wise details of ground water resource potential and its development are given in the enclosed Annexure.

ANNEXURE

(REFERENCE LOK SABHA STARRED QUESTION NO. 197 DATED 15.12.2003)

GROUND WATER RESOURCE OF INDIA

Sl.No. States Total Provision Availabbe Utilizable Gross Net Balance Level of Replenishable for Domestic Ground Water Ground Water Draft Draft Ground Water Ground Water industrial resource for resource for esti- (as on resource Water Resource & other uses irrigation in irrigation in mated 1.4.98 for future Development Net terms Net terms on Pro- use in net rata basis terms as on 1.4.98

MHaM/Yr MHaM/Yr MHaM/Yr MhaM/Yr MHaM/Yr MHaM/Yr MHaM/Yr [%]

States

1.Andhra Pradesh	3.52909	0.52936	2.99973	2.69975	1.11863	0.78304	2.21668	26.10
2.Arunachal Pradesh	0.14385	0.02158	0.12227	0.11005	-	-	0.12227	-
3.Assam	2.24786	0.33718	1.91068	1.71962	0.20356	0.14249	1.76819	7.46
4.Bihar	2.69796	0.4047	2.29327	2.06394	1.17895	0.82527	1.46800	35.99
5.Chhattisgarh	1.60705	0.24106	1.36599	1.22939	0.10925	0.07647	1.28952	5.60
6.Goa	0.02182	0.00327	0.01855	0.01669	0.00219	0.00154	0.01701	8.30
7.Gujarat	2.03767	0.30566	1.73199	1.55881	1.21895	0.85327	0.87872	49.27
8.Haryana	1.11794	0.16769	0.95025	0.85523	1.02637	0.71846	0.23179	75.61
9.Himachal Pradesh	0.02926	0.00439	0.02487	0.02238	0.00591	0.00413	0.02073	16.63
10.Jammu & Kashmir	0.44257	0.06640	0.37620	0.33860	0.00586	0.00403	0.37217	1.07
11.Jharkhand	0.66045	0.09907	0.56138	0.50525	0.17352	0.12146	0.43992	21.64
12.Karnataka	1.61750	0.24186	1.37564	1.23665	0.64973	0.45481	0.92083	33.06

13.Kerala	0.79003	0.13135	0.65869	0.59281	0.17887	0.12509	0.53360	18.99
14.Madhya Pradesh	3.48186	0.52228	2.95958	2.66362	1.05494	0.73846	2.22112	24.95
15.Maharashtra	3.78677	1.23973	2.54704	2.29233	1.26243	0.8837	1.66334	34.70
16.Manipur	0.31540	0.04730	0.26810	0.24129	Neg.	Neg.	0.26810	Neg.
17.Meghalaya	0.05397	0.00810	0.04587	0.04128	0.00260	0.00182	0.04405	Neg.
18.Mizoram	0.14000	0.02100	0.11900	0.10710	Neg.	Neg.	0.11900	Neg.
19.Nagaland	0.07240	0.01090	0.06150	0.05535	Neg.	Neg.	0.06150	Neg.
20.Orissa	2.01287	0.30193	1.71094	1.53984	0.37196	0.26037	1.45057	15.22
21.Punjab	1.81923	0.18192	1.63730	1.47357	2.30028	1.61020	0.02710	98.34
22.Rajasthan	1.26021	0.19977	1.06044	0.95440	1.10350	0.77245	0.28799	72.84
23.Sikkim	0.00736	0.00108	0.00628	0.00565	Neg.	Neg.	0.00565	Neg.
24.Tamil Nadu	2.64069	0.39610	2.24458	2.02013	2.00569	1.40398	0.84060	62.55
25.Tripura	0.06634	0.00995	0.05639	0.05075	0.02692	0.01885	0.03754	33.43
26.Uttar Pradesh	8.25459	1.23819	7.01640	6.31476	4.25171	2.97619	4.04021	42.42
27.Uttaranchal	0.28411	0.04262	0.24149	0.21734	0.09776	0.06843	0.17306	28.34
28.West Bengal	2.30914	0.34637	1.96277	1.76649	0.9025	0.63175	1.33102	32.19
Total States	43.44799	7.12081	36.32719	32.69307	19.25207	13.47627	22.85029	37.10
Union Territories								
1.Andaman & Nicobar	0.03263	0.0013382	0.031289	0.02816	Neg.	Neg.	0.03189	Neg.
2.Chandigarh	0.00297	0.00044	0.00252	0.00227	0.00351	0.00245	0.00007	-
3.Dadra & Nagar Haveli	0.00422	0.00063	0.00359	0.00323	0.00065	0.00046	0.00313	12.81
4.Daman	0.00071	0.00011	0.00060	0.00054	0.00069	0.00048	0.00012	80.00
5.Diu	0.00037	0.00006	0.00031	0.00028	0.00042	0.00029	0.00002	94.84
6.NCT Delhi	0.02916	0.01939	0.00977	0.00879	0.01684	0.01180	-0.00203	120.78
7.Lakshadweep	0.03042	0.00456	0.00195	0.00176	0.00109	0.00076	0.00119	39.12
8.Pondicherry	0.01746	0.00262	0.01484	0.01335	0.01645	0.01152	0.00332	77.63
Total UTs	0.11793	0.02915	0.06487	0.05838	0.03966	0.02777	0.03770	-
Grand Total	43.56592	7.14997	36.41595	32.77436	19.29173	13.50404	22.88799	37.08