

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 4053
ANSWERED ON 12.12.2019

GROUND WATER LEVEL

4053. SHRI FEROZE VARUN GANDHI

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the average ground water level in rural parts of the country;
- (b) whether it is an increase or decrease in the total number when compared to the previous financial year; and
- (c) if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI & SOCIAL JUSTICE AND EMPOWERMENT

(SHRI RATTAN LAL KATARIA)

(a) to (c) Central Ground Water Board is periodically monitoring the ground water levels throughout the Country on a regional scale, through a network of monitoring wells. During Pre-monsoon (April-May) 2019, ground water monitoring has been carried out throughout the country including the rural areas, where the majority of the monitoring wells are located. The analysis of the data reveals that out of the total wells analysed, in majority of the wells (around 70 %), the depth to water level was up to 10 m bgl. Details are given in **Annexure I**.

During Pre-monsoon (April-May) 2018, depth to water level in majority of the wells analysed (around 72%) was within 10 m bgl. Details are given in **Annexure II**.

ANNEXURE I

Annexure referred to in reply to parts (a) to (c) of Unstarred Question No. 4053 to be answered in Lok Sabha on 12.12.2019 regarding “Ground Water Level”.

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of Pre-monsoon, 2019

S. No.	Name of State	No. of wells Analysed	Depth to Water Level (mbgl)		Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Island	106	0.04	10	80	75	19	18	7	6.6	0	0.0	0	0	0	0
2	Andhra Pradesh	718	0.09	49.30	59	8.22	319	44.43	250	34.8	83	11.56	5	0.70	2	0.28
3	Arunachal Pradesh	18	0.00	12.69	10	55.56	3	16.67	4	22.22	1	5.56	0	0.00	0	0.00
4	Assam	219	0.14	17.39	42	19.18	130	59.36	39	17.81	8	3.65	0	0.00	0	0.00
5	Bihar	621	0.74	16.11	10	1.61	215	34.62	348	56.04	48	7.73	0	0.00	0	0.00
6	Chandigarh	13	3.02	47.64	0	0.00	3	23.08	1	7.69	3	23.08	4	30.77	2	15.38
7	Chhattisgarh	650	0.60	40.00	7	1.08	126	19.38	401	61.69	109	16.77	7	1.08	0	0.00
8	Dadra & Nagar Haveli	18	3.80	19.90	0	0.00	3	16.67	6	33.33	9	50.00	0	0.00	0	0.00
9	Daman & Diu	11	1.83	9.05	1	9.09	3	27.27	7	63.64	0	0.00	0	0.00	0	0.00
10	Delhi	73	1.07	62.64	4	5.48	12	16.44	18	24.66	20	27.40	13	17.81	6	8.22
11	Goa	64	1.75	14.95	3	4.69	28	43.75	24	37.50	9	14.06	0	0.00	0	0.00
12	Gujarat	669	0.00	59.90	9	1.35	99	14.80	231	34.53	234	34.98	90	13.45	6	0.90
13	Haryana	288	0.48	87.11	11	3.82	64	22.22	67	23.26	75	26.04	59	20.49	12	4.17
14	Himachal Pradesh	101	0.62	28.70	15	14.85	39	38.61	21	20.79	20	19.80	6	5.94	0	0.00
15	Jammu & Kashmir	204	0.85	38.70	28	13.73	102	50.00	51	25.00	15	7.35	8	3.92	0	0.00
16	Jharkhand	278	0.00	16.25	5	1.80	35	12.59	179	64.39	59	21.22	0	0.00	0	0.00
17	Karnataka	1102	1.15	27.30	33	2.99	235	21.32	510	46.28	318	28.86	6	0.54	0	0.00
18	Kerala	1441	0.31	55.23	88	6.11	411	28.52	633	43.93	283	19.64	25	1.73	1	0.07
19	Madhya Pradesh	1099	0.00	49.62	15	1.36	125	11.37	490	44.59	412	37.49	53	4.82	4	0.36
20	Maharashtra	1680	0.01	51.00	40	2.38	176	10.48	751	44.70	617	36.73	88	5.24	8	0.48
21	Meghalaya	56	0.51	31.90	8	14.29	29	51.79	15	26.79	1	1.79	2	3.57	1	1.79
22	Nagaland	5	1.15	11.62	1	20.00	2	40.00	0	0.00	2	40.00	0	0.00	0	0.00
23	Odisha	1067	0.00	13.55	140	13.12	467	43.77	437	40.96	23	2.16	0	0.00	0	0.00
24	Pondicherry	6	2.51	6.90	0	0.00	5	83.33	1	16.67	0	0.00	0	0.00	0	0.00
25	Punjab	251	0.70	43.43	6	2.39	45	17.93	56	22.31	76	30.28	64	25.50	4	1.59
26	Rajasthan	922	0.52	128.15	13	1.41	75	8.13	201	21.80	263	28.52	195	21.15	175	18.98
27	Tamil Nadu	630	0.60	103.40	26	4.13	119	18.89	267	42.38	177	28.10	32	5.08	9	1.43
28	Telangana	560	0.85	99.50	7	1.25	83	14.82	202	36.07	189	33.75	66	11.79	13	2.32
29	Tripura	96	0.45	27.25	20	20.83	50	52.08	18	18.75	5	5.21	3	3.13	0	0.00
30	Uttar Pradesh	582	0.29	44.20	9	1.55	170	29.21	265	45.53	113	19.42	23	3.95	2	0.34
31	Uttarakhand	44	1.98	71.90	1	2.27	13	29.55	11	25.00	16	36.36	1	2.27	2	4.55
32	West Bengal	374	0.41	32.29	20	5.35	101	27.01	183	48.93	64	17.11	6	1.60	0	0.00
Total		13966			711	5.09	3306	23.67	5694	40.77	3252	23.29	756	5.41	247	1.8

ANNEXURE II

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State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of Pre-monsoon, 2018

S. No.	Name of State	No. of wells Analysed	Depth to Water Level (mbgl)		Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Island	104	0.06	7.3	84	81	18	17	2	1.9	0	0.0	0	0	0	0
2	Andhra Pradesh	718	0.09	49.30	59	8.22	319	44.43	250	34.8	83	11.56	5	0.70	2	0.28
3	Arunachal Pradesh	8	2.27	11.58	0	0.00	5	62.50	1	12.50	2	25.00	0	0.00	0	0.00
4	Assam	155	0.18	18.83	35	22.58	91	58.71	25	16.13	4	2.58	0	0.00	0	0.00
5	Bihar	642	0.53	15.80	12	1.87	257	40.03	335	52.18	38	5.92	0	0.00	0	0.00
6	Chandigarh	9	4.29	42.38	0	0.00	1	11.11	2	22.22	3	33.33	2	22.22	1	11.11
7	Chhattisgarh	490	1.30	34.10	8	1.63	89	18.16	302	61.63	83	16.94	8	1.63	0	0.00
8	Dadra & Nagar Haveli	17	3.02	15.91	0	0.00	5	29.41	8	47.06	4	23.53	0	0.00	0	0.00
9	Daman & Diu	10	3.24	11.80	0	0.00	2	20.00	7	70.00	1	10.00	0	0.00	0	0.00
10	Delhi	82	0.71	65.00	1	1.22	16	19.51	16	19.51	24	29.27	16	19.51	9	10.98
11	Goa	70	0.86	14.95	6	8.57	29	41.43	26	37.14	9	12.86	0	0.00	0	0.00
12	Gujarat	758	0.54	62.20	15	1.98	127	16.75	254	33.51	264	34.83	92	12.14	6	0.79
13	Haryana	284	1.28	81.83	8	2.82	54	19.01	77	27.11	78	27.46	57	20.07	10	3.52
14	Himachal Pradesh	86	0.56	28.56	6	6.98	33	38.37	27	31.40	17	19.77	3	3.49	0	0.00
15	Jammu & Kashmir	252	0.75	35.50	18	7.14	112	44.44	84	33.33	28	11.11	10	3.97	0	0.00
16	Jharkhand	260	0.74	18.92	4	1.54	41	15.77	179	68.85	36	13.85	0	0.00	0	0.00
17	Karnataka	1343	0.22	30.70	140	10.42	353	26.28	540	40.21	294	21.89	16	1.19	0	0.00
18	Kerala	1441	0.09	65.40	96	6.66	424	29.42	627	43.51	267	18.53	24	1.67	3	0.21
19	Madhya Pradesh	1330	0.90	40.25	16	1.20	144	10.83	587	44.14	525	39.47	57	4.29	1	0.08
20	Maharashtra	1646	0.01	55.10	73	4.43	282	17.13	768	46.66	463	28.13	57	3.46	3	0.18
21	Meghalaya	22	0.20	5.06	2	9.09	18	81.82	2	9.09	0	0.00	0	0.00	0	0.00
22	Odisha	1261	0.12	15.73	142	11.26	540	42.82	540	42.82	39	3.09	0	0.00	0	0.00
23	Pondicherry	5	2.35	3.08	0	0.00	5	100.00	0	0.00	0	0.00	0	0.00	0	0.00
24	Punjab	225	0.45	42.18	9	4.00	34	15.11	50	22.22	61	27.11	68	30.22	3	1.33
25	Rajasthan	994	0.27	114.00	21	2.11	104	10.46	224	22.54	257	25.86	187	18.81	201	20.22
26	Tamil Nadu	529	0.00	82.60	28	5.29	138	26.09	213	40.26	118	22.31	19	3.59	13	2.46
27	Telangana	575	0.11	69.50	22	3.83	105	18.26	228	39.65	173	30.09	41	7.13	6	1.04
28	Tripura	25	0.17	6.75	7	28.00	12	48.00	6	24.00	0	0.00	0	0.00	0	0.00
29	Uttar Pradesh	567	0.74	39.35	6	1.06	147	25.93	258	45.50	131	23.10	25	4.41	0	0.00
30	Uttaranchal	31	2.86	72.58	0	0.00	9	29.03	11	35.48	7	22.58	2	6.45	2	6.45
31	West Bengal	652	0.40	27.12	54	8.28	232	35.58	237	36.35	106	16.26	23	3.53	0	0.00
Total		14591			872	5.98	3746	25.67	5886	40.34	3115	21.35	712	4.88	260	1.8
