

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †913
ANSWERED ON 02.12.2021

SHORTAGE OF DRINKING WATER

†913. SHRI SUNIL KUMAR SONI
SHRI VIJAY BAGHEL
SHRI ARUN SAO

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the level of ground water is rapidly depleting in various parts of the country causing thereby shortage of drinking water in the said area;
- (b) if so, the details thereof, State-wise including Chhattisgarh;
- (c) whether any scheme for ground water recharge is under consideration of the Government; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) & (b) Central Ground Water Board (CGWB) is periodically monitoring the ground water levels throughout the country including Chhattisgarh on a regional scale, through a network of monitoring wells. In order to assess the long term fluctuation in ground water level, the water level data collected by CGWB during November 2020 has been compared with the decadal mean of November (2010-2019). Analysis of water level data indicates that about 30% of the wells monitored have registered decline in ground water levels in the range of 0 – 2 m whereas, around 45% of the wells have also reported rise of groundwater levels in the same range. The State-wise details including Chhattisgarh are given in **Annexure**.

No specific information about linkage of depleting groundwater levels with shortage of drinking water is available. However, Government of India, in partnership with State Governments, is implementing Jal Jeevan Mission (JJM) since August, 2019 to provide potable tap water supply of prescribed quality to every rural household in the country by 2024.

(c) Presently no specific new scheme for groundwater recharge is under consideration with this Department.

(d) Water being a State subject, initiatives on water management including groundwater recharge is primarily States' responsibility. However, important measures taken by the Central Government for conservation, management of ground water and effective implementation of rain water harvesting in the country are available at the following URL:

http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf.

Government of India (GoI) generally supports artificial groundwater recharge/water harvesting works in the country through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Pradhan Mantri Krishi Sinchayee Yojana - Watershed Development component (PMKSY-WDC), 'Surface Minor Irrigation (SMI) and Repair, Renovation and Restoration (RRR) of Water Bodies schemes', components of PMKSY (launched in 2015-16). GoI is implementing Atal Bhujal Yojana (Atal Jal), a Rs.6,000 crore central sector scheme, for sustainable management of ground water resources with community participation. Atal Jal is being implemented in 81 water stressed districts and 8,774 gram panchayats of seven States viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh.

Annexure referred to in reply to part (a) & (b) of Unstarred Question No.†913 to be answered in Lok Sabha on 02.12.2021 regarding “Shortage of Drinking Water”.

State-wise Decadal Water Level Fluctuation with Mean [November (2010 to 2019)] and November 2020

S. No.	Name of State	No. of wells Analysed	Rise						Fall						Rise		Fall		Wells showing no change	
			0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m		No	%	No	%	No	%
			No	%	No	%	No	%	No	%	No	%	No	%						
1	Andhra Pradesh	688	395	57.4	92	13.4	38	5.5	146	21.2	12	1.7	5	0.7	525	76	163	24	0	0
2	Arunachal Pradesh	3	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100	0	0	0	0
3	Assam	158	113	71.5	5	3.2	2	1.3	35	22.2	3	1.9	0	0.0	120	76	38	24	0	0
4	Bihar	536	284	53.0	41	7.6	4	0.7	184	34.3	17	3.2	6	1.1	329	61	207	39	0	0
5	Chandigarh	11	3	27.3	2	18.2	0	0.0	5	45.5	0	0.0	1	9.1	5	45	6	55	0	0
6	Chhattisgarh	700	261	37.3	41	5.9	15	2.1	312	44.6	53	7.6	18	2.6	317	45	383	55	0	0
7	Dadra & Nagar Haveli #	17	11	64.7	2	11.8	1	5.9	3	17.6	0	0.0	0	0.0	14	82	3	18	0	0
8	Daman & Diu	9	7	77.8	0	0.0	0	0.0	2	22.2	0	0.0	0	0.0	7	78	2	22	0	0
9	Delhi	80	11	13.8	3	3.8	4	5.0	31	38.8	19	23.8	12	15.0	18	23	62	78	0	0
10	Goa	65	7	10.8	0	0.0	1	1.5	50	76.9	7	10.8	0	0.0	8	12	57	88	0	0
11	Gujarat	736	279	37.9	93	12.6	116	15.8	179	24.3	49	6.7	20	2.7	488	66	248	34	0	0
12	Haryana	312	83	26.6	5	1.6	7	2.2	94	30.1	44	14.1	78	25.0	95	30	216	69	1	0
13	Himachal Pradesh	88	31	35.2	3	3.4	2	2.3	47	53.4	3	3.4	2	2.3	36	41	52	59	0	0
14	Jammu & Kashmir	163	42	25.8	3	1.8	2	1.2	106	65.0	9	5.5	1	0.6	47	29	116	71	0	0
15	Jharkhand	276	162	58.7	42	15.2	17	6.2	49	17.8	5	1.8	1	0.4	221	80	55	20	0	0
16	Karnataka	1316	632	48.0	181	13.8	123	9.3	325	24.7	33	2.5	22	1.7	936	71	380	29	0	0
17	Kerala	1334	537	40.3	24	1.8	6	0.4	738	55.3	23	1.7	6	0.4	567	43	767	57	0	0
18	Madhya Pradesh	1294	594	45.9	160	12.4	43	3.3	372	28.7	83	6.4	42	3.2	797	62	497	38	0	0
19	Maharashtra**	3611	1815	50.3	592	16.4	262	7.3	869	24.1	53	1.5	20	0.6	2669	74	942	26	0	0
20	Meghalaya	23	13	56.5	1	4.3	0	0.0	9	39.1	0	0.0	0	0.0	14	61	9	39	0	0
21	Nagaland	2	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	0	0.0	0	0	2	100	0	0
22	Odisha	1204	762	63.3	47	3.9	6	0.5	366	30.4	19	1.6	3	0.2	815	68	388	32	1	0
23	Pondicherry	6	0	0.0	0	0.0	0	0.0	4	66.7	2	33.3	0	0.0	0	0	6	100	0	0
24	Punjab	250	55	22.0	10	4.0	3	1.2	89	35.6	38	15.2	54	21.6	68	27	181	72	1	0
25	Rajasthan	962	271	28.2	89	9.3	69	7.2	288	29.9	105	10.9	137	14.2	429	45	530	55	3	0
26	Tamil Nadu	629	211	33.5	64	10.2	44	7.0	192	30.5	55	8.7	62	9.9	319	51	309	49	1	0
27	Telangana	549	200	36.4	121	22.0	177	32.2	45	8.2	3	0.5	3	0.5	498	91	51	9	0	0
28	Tripura	21	18	85.7	0	0.0	0	0.0	2	9.5	1	4.8	0	0.0	18	86	3	14	0	0
29	Uttar Pradesh	632	264	41.8	43	6.8	14	2.2	240	38.0	48	7.6	23	3.6	321	51	311	49	0	0
30	Uttarakhand	47	13	27.7	2	4.3	1	2.1	21	44.7	8	17.0	2	4.3	16	34	31	66	0	0
31	West Bengal	633	264	41.7	65	10.3	42	6.6	167	26.4	45	7.1	49	7.7	371	59	261	41	1	0
Total		16355	7341	44.9	1731	10.6	999	6.1	4971	30.4	738	4.5	567	3.5	10071	62	6276	38	8	0

** State Govt Data used in respect of Maharashtra

November 2019 data used in respect of Dadra Nagar Haveli