

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO. 3143

ANSWERED ON 04.08.2022

DECLINING WATER LEVELS IN WELLS

3143 SHRIMATI VANGA GEETHA VISWANATH

SHRI N. REDDEPPA

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the Government is aware of the declining water levels in the registered wells across the country;
- (b) if so, the details thereof;
- (c) whether the Government has taken any steps to conserve water and constrain the reducing water levels in the registered wells; 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 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 2021 has been compared with the decadal mean of November 2011 to Nov 2020. Analysis of water level data indicates that about 70% of the wells monitored have registered rise in ground water level whereas, about 30 % wells have registered decline in water level. State-wise details are given in **Annexure**.

(c) & (d) Though water is a State subject, Central Government has taken a number of important measures for conservation, management of ground water including effective implementation of rain water harvesting in the country, which can be seen at http://jalshakti-dowr.gov.in/sites/default/file/Steps%20taken%20by%20the%20Central%20Govt%20for%20water_depletion_july2022.pdf.

Government of India is implementing Jal Shakti Abhiyan (JSA) in the country. First JSA was launched in 2019 in water stressed blocks of 256 districts which continued during the year 2021 (across entire country both rural and urban areas) also with the primary aim to effectively harvest the monsoon rainfall through creation of artificial recharge structures, watershed management, recharge and reuse structures, intensive afforestation and awareness generation etc. JSA for the year 2021 and 2022 were launched by Hon'ble Prime Minister and Hon'ble President on 22.03.2021 and 29.03.2022 respectively.

Hon'ble Prime Minister launched Amrit Sarovar Mission on 24th April 2022. The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country as a part of celebration of Azadi ka Amrit Mahotsav.

Central Government is implementing Atal Bhujal Yojana with an outlay of Rs. 6,000 crore, in collaboration with States, in certain water stressed areas of Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. The primary aim of the scheme is demand side management through scientific means involving the local communities at village levels leading to sustainable groundwater management in the targeted areas.

CGWB is implementing National Aquifer Mapping Program (NAQUIM) with an aim to identify the groundwater aquifer system along-with their characterization for its sustainable management. Out of the total mappable area of nearly 25 lakh sq km, nearly 22.10 lakh sq km of the area (as on 30th June 2022) in the country has been covered. The balance area has been targeted to be covered by March 2023. The NAQUIM study report alongwith management plans are shared with States/UTs for suitable interventions.

Water is a State subject and several States have done notable work in the field of water conservation/harvesting such as 'Mukhyamantri Jal Swavlamban Abhiyan' in Rajasthan, 'Jalyukt Shibir' in Maharashtra, 'Sujalam Sufalam Abhiyan' in Gujarat, 'Mission Kakatiya' in Telangana, Neeru Chettu' in Andhra Pradesh, Jal Jeevan Hariyali in Bihar, 'Jal Hi Jeevan' in Haryana, and Kudimaramath scheme in Tamil Nadu.

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 3143 TO BE ANSWERED IN LOK SABHA ON 04.08.2022 REGARDING “DECLINING WATER LEVELS IN WELLS”.

State-wise Decadal Water Level Fluctuation with Mean [November (2011 to 2020) and November 2021]

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	%		
1	Andhra Pradesh	706	419	59.3	87	12.3	50	7.1	124	17.6	14	2.0	11	1.6	556	79	149	21	1	0
2	Arunachal Pradesh	10	2	20.0	0	0.0	0	0.0	8	80.0	0	0.0	0	0.0	2	20	8	80	0	0
3	Assam	167	71	42.5	3	1.8	1	0.6	83	49.7	6	3.6	3	1.8	75	45	92	55	0	0
4	Bihar	593	395	66.6	78	13.2	11	1.9	102	17.2	7	1.2	0	0.0	484	82	109	18	0	0
5	Chandigarh	12	4	33.3	2	16.7	1	8.3	3	25.0	1	8.3	1	8.3	7	58	5	42	0	0
6	Chhattisgarh	687	290	42.2	66	9.6	30	4.4	230	33.5	45	6.6	26	3.8	386	56	301	44	0	0
7	Dadra & Nagar Haveli	17	15	88.2	0	0.0	0	0.0	2	11.8	0	0.0	0	0.0	15	88	2	12	0	0
8	Daman & Diu	5	2	40.0	1	20.0	1	20.0	1	20.0	0	0.0	0	0.0	4	80	1	20	0	0
9	Delhi	86	29	33.7	21	24.4	15	17.4	12	14.0	3	3.5	6	7.0	65	76	21	24	0	0
10	Goa	68	9	13.2	0	0.0	1	1.5	52	76.5	5	7.4	1	1.5	10	15	58	85	0	0
11	Gujarat	746	278	37.3	122	16.4	112	15.0	140	18.8	50	6.7	44	5.9	512	69	234	31	0	0
12	Haryana	183	66	36.1	6	3.3	8	4.4	65	35.5	19	10.4	19	10.4	80	44	103	56	0	0
13	Himachal Pradesh	86	40	46.5	5	5.8	2	2.3	36	41.9	1	1.2	1	1.2	47	55	38	44	1	1
14	Jammu & Kashmir	213	100	46.9	4	1.9	3	1.4	99	46.5	4	1.9	3	1.4	107	50	106	50	0	0
15	Jharkhand	198	132	66.7	17	8.6	1	0.5	45	22.7	3	1.5	0	0.0	150	76	48	24	0	0
16	Karnataka	1290	709	55.0	265	20.5	123	9.5	159	12.3	20	1.6	14	1.1	1097	85	193	15	0	0
17	Kerala	1304	868	66.6	145	11.1	39	3.0	227	17.4	17	1.3	8	0.6	1052	81	252	19	0	0
18	Madhya Pradesh	1297	590	45.5	164	12.6	97	7.5	345	26.6	70	5.4	31	2.4	851	66	446	34	0	0
19	Maharashtra	1727	856	49.6	321	18.6	161	9.3	317	18.4	47	2.7	24	1.4	1338	77	388	22	1	0
20	Meghalaya	24	10	41.7	1	4.2	0	0.0	13	54.2	0	0.0	0	0.0	11	46	13	54	0	0
21	Nagaland	2	1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0	1	50	1	50	0	0
22	Odisha	1245	650	52.2	32	2.6	2	0.2	517	41.5	35	2.8	8	0.6	684	55	560	45	1	0
23	Pondicherry	6	3	50.0	1	16.7	0	0.0	2	33.3	0	0.0	0	0.0	4	67	2	33	0	0
24	Punjab	176	46	26.1	7	4.0	1	0.6	74	42.0	38	21.6	10	5.7	54	31	122	69	0	0
25	Rajasthan	918	248	27.0	80	8.7	44	4.8	290	31.6	114	12.4	141	15.4	372	41	545	59	1	0
26	Tamil Nadu	538	201	37.4	146	27.1	113	21.0	54	10.0	13	2.4	11	2.0	460	86	78	14	0	0
27	Telangana	537	203	37.8	114	21.2	133	24.8	73	13.6	5	0.9	9	1.7	450	84	87	16	0	0
28	Tripura	22	8	36.4	0	0.0	0	0.0	11	50.0	3	13.6	0	0.0	8	36	14	64	0	0
29	Uttar Pradesh	646	358	55.4	102	15.8	21	3.3	118	18.3	32	5.0	15	2.3	481	74	165	26	0	0
30	Uttarakhand	45	23	51.1	3	6.7	2	4.4	9	20.0	4	8.9	4	8.9	28	62	17	38	0	0
31	West Bengal	721	417	57.8	87	12.1	34	4.7	117	16.2	34	4.7	31	4.3	538	75	182	25	1	0
Total		14275	7043	49.3	1880	13.2	1006	7.0	3328	23.3	591	4.1	421	2.9	9929	70	4340	30	6	0
