

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
RAJYA SABHA
UNSTARRED QUESTION NO. 94
ANSWERED ON 19.07.2021

POTABLE WATER PROBLEM IN RURAL AREAS

94 Dr. Amee Yajnik

Will the Minister of **Jal Shakti** be pleased to state:

- (a) the data of depleting ground water level percentage per year for the last three years, State- wise;
- (b) whether there are any Government initiatives to tackle the situation of potable water problem in rural areas;
- (c) if so, the details thereof; and
- (d) whether Government has allocated any fund to States as per their ground water level status to take appropriate measures, if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI AND TRIBAL AFFAIRS

(SHRI BISHWESWAR TUDU)

(a) 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 decline in water level on a long-term basis, water level data collected by CGWB during November 2018, November 2019 and November 2020 have been compared with the decadal average November (2008 to 2017), November (2009 to 2018) and November (2010 to 2019) respectively . State wise details in this regard are given in **Annexure**.

(b) & (c) To enable every rural household to have assured supply of potable tap water in adequate quantity, of prescribed quality and on regular and long-term basis by 2024, Government of India, in partnership with States, is implementing Jal Jeevan Mission (JJM) – Har Ghar Jal, with an estimated outlay of Rs. 3.60 lakh Crore. Further, under Jal Jeevan Mission, provisions have been made for creation of in-village water supply infrastructure including source development/strengthening/ augmentation; and infrastructure for bulk transfer of water, treatment and distribution systems for water deficit drought-prone and desert areas without dependable ground water sources.

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(d) Government of India launched Jal Shakti Abhiyan (JSA) in 2019, a time bound campaign with a mission mode approach intended to improve water availability including ground water conditions in the water stressed blocks of 256 districts in India. Further ‘Jal Shakti Abhiyan – Catch the Rain’ campaign has been launched by Hon’ble Prime Minister of India on 22 March 2021.

Central Ground Water Board (CGWB) is implementing National Aquifer Mapping and Management program (NAQUIM), which envisages mapping of aquifers (water bearing formations), their characterization and development of Aquifer Management Plans to facilitate sustainable management of Ground Water Resources in the country. The State-wise information is shared with States/Uts for implementation.

Government of India is implementing Atal Bhujal Yojana (Atal Jal), a Rs.6,000.00 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.

Water being a State subject, initiatives on water management including water conservation/ water harvesting and making available potable water in the Country is primarily States’ responsibility. However, the important measures taken by the Central Government in this regard are available at the following URL:
http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf.

ANNEXURE

Annexure referred to in reply to part (a) of Unstarred Question No. 94 to be answered in Rajya Sabha on 19.07.2021 regarding “Potable Water Problem in Rural Areas”.

State-wise Decadal Ground Water Level Fluctuation with Mean [November (2008 to 2017)] and November 2018

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	730	173	23.7	14	1.9	8	1.1	352	48.2	110	15.1	73	10.0	195	27	535	73	0	0
2	Arunachal Pradesh	10	1	10.0	0	0.0	0	0.0	8	80.0	1	10.0	0	0.0	1	10	9	90	0	0
3	Assam	176	80	45.5	5	2.8	0	0.0	81	46.0	7	4.0	2	1.1	85	48	90	51	1	1
4	Bihar	638	207	32.4	23	3.6	1	0.2	312	48.9	72	11.3	23	3.6	231	36	407	64	0	0
5	Chandigarh	8	3	37.5	0	0.0	0	0.0	3	37.5	0	0.0	2	25.0	3	38	5	63	0	0
6	Chhattisgarh	513	86	16.8	21	4.1	9	1.8	289	56.3	92	17.9	16	3.1	116	23	397	77	0	0
7	Dadra & Nagar Haveli	17	2	11.8	1	5.9	0	0.0	11	64.7	1	5.9	2	11.8	3	18	14	82	0	0
8	Daman & Diu	11	9	81.8	2	18.2	0	0.0	0	0.0	0	0.0	0	0.0	11	100	0	0	0	0
9	Delhi	83	19	22.9	1	1.2	3	3.6	23	27.7	20	24.1	17	20.5	23	28	60	72	0	0
10	Goa	30	7	23.3	0	0.0	2	6.7	15	50.0	4	13.3	2	6.7	9	30	21	70	0	0
11	Gujarat	752	191	25.4	64	8.5	34	4.5	232	30.9	128	17.0	103	13.7	289	38	463	62	0	0
12	Haryana	305	90	29.5	12	3.9	6	2.0	109	35.7	51	16.7	37	12.1	108	35	197	65	0	0
13	Himachal Pradesh	110	74	67.3	6	5.5	10	9.1	18	16.4	1	0.9	1	0.9	90	82	20	18	0	0
14	Jammu & Kashmir	155	49	31.6	0	0.0	0	0.0	100	64.5	6	3.9	0	0.0	49	32	106	68	0	0
15	Jharkhand	276	110	39.9	3	1.1	1	0.4	128	46.4	29	10.5	4	1.4	114	41	161	58	1	0
16	Karnataka	1373	413	30.1	68	5.0	32	2.3	581	42.3	163	11.9	114	8.3	513	37	858	62	2	0
17	Kerala	1452	527	36.3	42	2.9	11	0.8	831	57.2	37	2.5	3	0.2	580	40	871	60	1	0
18	Madhya Pradesh	1329	298	22.4	47	3.5	34	2.6	588	44.2	221	16.6	137	10.3	379	29	946	71	4	0
19	Maharashtra	1633	330	20.2	49	3.0	21	1.3	763	46.7	263	16.1	207	12.7	400	24	1233	76	0	0
20	Meghalaya	23	11	47.8	0	0.0	1	4.3	11	47.8	0	0.0	0	0.0	12	52	11	48	0	0
21	Odisha	1284	555	43.2	42	3.3	3	0.2	611	47.6	61	4.8	11	0.9	600	47	683	53	1	0
22	Pondicherry	4	3	75.0	0	0.0	0	0.0	1	25.0	0	0.0	0	0.0	3	75	1	25	0	0
23	Punjab	249	56	22.5	9	3.6	1	0.4	94	37.8	37	14.9	52	20.9	66	27	183	73	0	0
24	Rajasthan	618	155	25.1	48	7.8	43	7.0	178	28.8	92	14.9	102	16.5	246	40	372	60	0	0
25	Tamil Nadu	550	166	30.2	52	9.5	37	6.7	161	29.3	77	14.0	57	10.4	255	46	295	54	0	0
26	Telangana	560	165	29.5	29	5.2	11	2.0	162	28.9	86	15.4	107	19.1	205	37	355	63	0	0
27	Tripura	21	14	66.7	0	0.0	0	0.0	6	28.6	0	0.0	1	4.8	14	67	7	33	0	0
28	Uttar Pradesh	734	251	34.2	28	3.8	10	1.4	347	47.3	75	10.2	23	3.1	289	39	445	61	0	0
29	Uttarakhand	41	23	56.1	2	4.9	1	2.4	10	24.4	1	2.4	4	9.8	26	63	15	37	0	0
30	West Bengal	702	165	23.5	27	3.8	8	1.1	351	50.0	81	11.5	68	9.7	200	28	500	71	2	0
Total		14387	4233	29.4	595	4.1	287	2.0	6376	44.3	1716	11.9	1168	8.1	5115	36	9260	64	12	0

State-wise Decadal Water Level Fluctuation with Mean [November (2009 to 2018)] and November 2019

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	700	417	59.6	64	9.1	13	1.9	143	20.4	33	4.7	29	4.1	494	71	205	29	1	0
2	Arunachal Pradesh	8	3	37.5	0	0.0	0	0.0	5	62.5	0	0.0	0	0.0	3	38	5	63	0	0
3	Assam	119	66	55.5	3	2.5	1	0.8	46	38.7	3	2.5	0	0.0	70	59	49	41	0	0
4	Bihar	612	418	68.3	57	9.3	2	0.3	115	18.8	14	2.3	6	1.0	477	78	135	22	0	0
5	Chandigarh	8	0	0.0	0	0.0	1	12.5	5	62.5	1	12.5	1	12.5	1	13	7	88	0	0
6	Chhattisgarh	543	261	48.1	37	6.8	11	2.0	186	34.3	34	6.3	14	2.6	309	57	234	43	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	5	55.6	0	0.0	0	0.0	4	44.4	0	0.0	0	0.0	5	56	4	44	0	0
9	Delhi	81	25	30.9	3	3.7	4	4.9	18	22.2	16	19.8	15	18.5	32	40	49	60	0	0
10	Goa	69	42	60.9	4	5.8	1	1.4	19	27.5	2	2.9	1	1.4	47	68	22	32	0	0
11	Gujarat	819	348	42.5	188	23.0	144	17.6	92	11.2	27	3.3	20	2.4	680	83	139	17	0	0
12	Haryana	272	86	31.6	8	2.9	12	4.4	83	30.5	46	16.9	37	13.6	106	39	166	61	0	0
13	Himachal Pradesh	105	60	57.1	8	7.6	6	5.7	29	27.6	1	1.0	1	1.0	74	70	31	30	0	0
14	Jammu & Kashmir	201	119	59.2	6	3.0	1	0.5	69	34.3	5	2.5	1	0.5	126	63	75	37	0	0
15	Jharkhand	272	175	64.3	55	20.2	7	2.6	29	10.7	4	1.5	2	0.7	237	87	35	13	0	0
16	Karnataka	1220	609	49.9	216	17.7	102	8.4	207	17.0	42	3.4	43	3.5	927	76	292	24	1	0
17	Kerala	1419	979	69.0	87	6.1	11	0.8	330	23.3	11	0.8	1	0.1	1077	76	342	24	0	0
18	Madhya Pradesh	1324	600	45.3	304	23.0	221	16.7	142	10.7	37	2.8	20	1.5	1125	85	199	15	0	0
19	Maharashtra	1613	773	47.9	308	19.1	164	10.2	284	17.6	47	2.9	33	2.0	1245	77	364	23	4	0
20	Meghalaya	13	5	38.5	1	7.7	0	0.0	7	53.8	0	0.0	0	0.0	6	46	7	54	0	0
21	Nagaland	3	0	0.0	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0	1	33	2	67	0	0
22	Odisha	1231	725	58.9	52	4.2	2	0.2	425	34.5	26	2.1	1	0.1	779	63	452	37	0	0
23	Pondicherry	6	4	66.7	0	0.0	0	0.0	1	16.7	1	16.7	0	0.0	4	67	2	33	0	0
24	Punjab	212	53	25.0	9	4.2	5	2.4	81	38.2	33	15.6	31	14.6	67	32	145	68	0	0
25	Rajasthan	1005	319	31.7	142	14.1	160	15.9	204	20.3	78	7.8	96	9.6	621	62	378	38	6	1
26	Tamil Nadu	627	233	37.2	111	17.7	79	12.6	119	19.0	51	8.1	34	5.4	423	67	204	33	0	0
27	Telangana	560	237	42.3	108	19.3	98	17.5	62	11.1	30	5.4	24	4.3	443	79	116	21	1	0
28	Tripura	21	11	52.4	0	0.0	0	0.0	9	42.9	1	4.8	0	0.0	11	52	10	48	0	0
29	Uttar Pradesh	659	299	45.4	55	8.3	16	2.4	219	33.2	46	7.0	23	3.5	370	56	288	44	1	0
30	Uttarakhand	49	13	26.5	1	2.0	1	2.0	17	34.7	7	14.3	10	20.4	15	31	34	69	0	0
31	West Bengal	702	309	44.0	49	7.0	15	2.1	239	34.0	37	5.3	53	7.5	373	53	329	47	0	0
Total		14499	7205	49.7	1879	13.0	1078	7.4	3193	22.0	634	4.4	496	3.4	10162	70	4323	30	14	0

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	%		
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
