

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

RAJYA SABHA

UNSTARRED QUESTION NO. 87

ANSWERED ON 04.12.2023

PROPOSAL TO EXTEND ATAL BHUJAL YOJANA

87. SHRI S NIRANJAN REDDY

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) the details of the yearly and State-wise groundwater levels for the past five years in the country;
- (b) whether Government is considering to extend the Atal Bhujal Yojana scheme to all the States facing groundwater scarcity; and
- (c) if not, the steps taken by Government to provide central financial assistance for groundwater management projects in States facing groundwater scarcity, especially in urban areas?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

- (a) Central Ground Water Board (CGWB) monitors groundwater levels throughout the country on a regional scale, through its network of monitoring wells, every year. The Year-wise and State-wise details of ground water levels for the past 5 years are given at **Annexure**.
- (b) Atal Bhujal Yojana is a pilot programme focussing on demand side management of ground water by way of community participation and behaviour change. The Scheme was launched in 7 states in 2020 and right now the impact assessment of the Scheme is being conducted.
- (c) Water being a state subject, development and management of ground water resources is primarily the responsibility of the State Governments. However, the Central Government facilitates the efforts of the State Governments through financial and technical assistance. Central assistance to various states for different GW management activities is being provided through various GoI programs like Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Pradhan Mantri Krishi Sinchayee Yojana – Watershed Development Component (PMKSY-WDC), Atal Bhu Jal, Surface Minor Irrigation (SMI), Repair-Renovation & Restoration (RRR) etc.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 87 TO BE ANSWERED IN RAJYA SABHA ON 04.12.2023 REGARDING “PROPOSAL TO EXTEND ATAL BHUJAL YOJANA”.

Depth to Water Level Distribution of Percentage of Observation Wells as of November 2018														
S. No.	Name of State	No. of wells Analysed	Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			0-2		2-5		5-10		10-20		20-40		>40	
			No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Islands	102	91	89.22	10	9.8	1	1	0	0	0	0	0	0
2	Andhra Pradesh	730	219	30	256	35.07	172	23.6	77	10.55	5	0.68	1	0.14
3	Arunachal Pradesh	10	1	10	5	50	4	40	0	0	0	0	0	0
4	Assam	177	64	36.16	92	51.98	17	9.6	4	2.26	0	0	0	0
5	Bihar	654	77	11.77	375	57.34	183	27.98	19	2.91	0	0	0	0
6	Chandigarh	8	0	0	3	37.5	0	0	2	25	3	37.5	0	0
7	Chhattisgarh	599	19	3.17	365	60.93	191	31.89	20	3.34	4	0.67	0	0
8	Dadra & Nagar Haveli	17	2	11.76	9	52.94	5	29.41	1	5.88	0	0	0	0
9	Daman & Diu	11	5	45.45	4	36.36	2	18.18	0	0	0	0	0	0
10	Delhi	83	2	2.41	17	20.48	20	24.1	22	26.51	14	16.87	8	9.64
11	Goa	30	5	16.67	14	46.67	8	26.67	3	10	0	0	0	0
12	Gujarat	755	115	15.23	177	23.44	242	32.05	157	20.79	58	7.68	6	0.79
13	Haryana	315	37	11.75	52	16.51	70	22.22	89	28.25	51	16.19	16	5.08
14	Himachal Pradesh	103	30	29.13	36	34.95	19	18.45	14	13.59	4	3.88	0	0
15	Jammu & Kashmir	187	38	20.32	103	55.08	35	18.72	8	4.28	3	1.6	0	0
16	Jharkhand	281	21	7.47	145	51.6	107	38.08	8	2.85	0	0	0	0
17	Karnataka	1380	220	15.94	482	34.93	499	36.16	165	11.96	14	1.01	0	0
18	Kerala	1462	263	17.99	445	30.44	602	41.18	141	9.64	11	0.75	0	0
19	Madhya Pradesh	1331	74	5.56	395	29.68	571	42.9	256	19.23	34	2.55	1	0.08
20	Maharashtra	1659	180	10.85	571	34.42	586	35.32	282	17	39	2.35	1	0.06
21	Meghalaya	23	10	43.48	13	56.52	0	0	0	0	0	0	0	0
22	Nagaland	3	1	33.33	2	66.67	0	0	0	0	0	0	0	0
23	Odisha	1290	420	32.56	698	54.11	165	12.79	7	0.54	0	0	0	0
24	Pondicherry	4	3	75	1	25	0	0	0	0	0	0	0	0
25	Punjab	261	16	6.13	47	18.01	51	19.54	64	24.52	80	30.65	3	1.15
26	Rajasthan	1034	43	4.16	150	14.51	228	22.05	217	20.99	188	18.18	208	20.12
27	Tamil Nadu	562	96	17.08	158	28.11	189	33.63	87	15.48	22	3.91	10	1.78
28	Telangana	567	60	10.58	175	30.86	170	29.98	113	19.93	41	7.23	8	1.41
29	Tripura	21	8	38.1	12	57.14	1	4.76	0	0	0	0	0	0
30	Uttar Pradesh	737	95	12.89	289	39.21	203	27.54	125	16.96	24	3.26	1	0.14
31	Uttarakhand	47	7	14.89	17	36.17	12	25.53	5	10.64	4	8.51	2	4.26
32	West Bengal	722	76	10.53	363	50.28	167	23.13	97	13.43	19	2.63	0	0
	Total	15165	2298	15.15	5481	36.14	4520	29.81	1983	13.08	618	4.08	265	1.75

Depth to Water Level Distribution of Percentage of Observation Wells as of November 2019

S. No.	Name of State	No. of wells Analysed	Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			0-2		2-5		5-10		10-20		20-40		>40	
			No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Islands	90	59	65.56	29	32.22	1	1.1	1	1.11	0	0	0	0
2	Andhra Pradesh	708	343	48.45	203	28.67	103	14.5	48	6.78	9	1.27	2	0.28
3	Arunachal Pradesh	8	0	0	6	75	2	25	0	0	0	0	0	0
4	Assam	119	56	47.06	51	42.86	10	8.4	2	1.68	0	0	0	0
5	Bihar	628	182	28.98	340	54.14	101	16.08	5	0.8	0	0	0	0
6	Chandigarh	8	0	0	2	25	2	25	4	50	0	0	0	0
7	Chhattisgarh	569	74	13.01	361	63.44	115	20.21	18	3.16	1	0.18	0	0
8	Dadra & Nagar Haveli	17	6	35.29	10	58.82	1	5.88	0	0	0	0	0	0
9	Daman & Diu	9	3	33.33	5	55.56	1	11.11	0	0	0	0	0	0
10	Delhi	85	7	8.24	13	15.29	20	23.53	23	27.06	15	17.65	7	8.24
11	Goa	69	17	24.64	31	44.93	17	24.64	4	5.8	0	0	0	0
12	Gujarat	811	224	27.62	311	38.35	178	21.95	65	8.01	31	3.82	2	0.25
13	Haryana	288	32	11.11	55	19.1	69	23.96	61	21.18	60	20.83	11	3.82
14	Himachal Pradesh	103	29	28.16	35	33.98	22	21.36	14	13.59	3	2.91	0	0
15	Jammu & Kashmir	204	72	35.29	87	42.65	32	15.69	7	3.43	6	2.94	0	0
16	Jharkhand	274	74	27.01	153	55.84	42	15.33	5	1.82	0	0	0	0
17	Karnataka	1231	402	32.66	435	35.34	328	26.65	61	4.96	5	0.41	0	0
18	Kerala	1428	312	21.85	476	33.33	534	37.39	99	6.93	7	0.49	0	0
19	Madhya Pradesh	1364	339	24.85	609	44.65	319	23.39	80	5.87	17	1.25	0	0
20	Maharashtra	1644	502	30.54	687	41.79	339	20.62	84	5.11	31	1.89	1	0.06
21	Meghalaya	13	6	46.15	7	53.85	0	0	0	0	0	0	0	0
22	Nagaland	3	1	33.33	1	33.33	1	33.33	0	0	0	0	0	0
23	Odisha	1238	521	42.08	605	48.87	108	8.72	4	0.32	0	0	0	0
24	Pondicherry	4	3	75	1	25	0	0	0	0	0	0	0	0
25	Punjab	222	9	4.05	51	22.97	41	18.47	53	23.87	65	29.28	3	1.35
26	Rajasthan	1023	123	12.02	200	19.55	179	17.5	158	15.44	170	16.62	193	18.87
27	Tamil Nadu	655	177	27.02	188	28.7	190	29.01	75	11.45	18	2.75	7	1.07
28	Telangana	565	178	31.5	165	29.2	114	20.18	83	14.69	22	3.89	3	0.53
29	Tripura	21	8	38.1	12	57.14	1	4.76	0	0	0	0	0	0
30	Uttar Pradesh	660	149	22.58	249	37.73	136	20.61	100	15.15	24	3.64	2	0.3
31	Uttarakhand	49	7	14.29	10	20.41	15	30.61	10	20.41	4	8.16	3	6.12
32	West Bengal	717	162	22.59	323	45.05	130	18.13	78	10.88	24	3.35	0	0
Total		14827	4077	27.5	5711	38.52	3151	21.25	1142	7.7	512	3.45	234	1.58

Depth to Water Level Distribution of Percentage of Observation Wells as of November 2020

S. No.	Name of State	No. of wells Analysed	Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			0-2		2-5		5-10		10-20		20-40		>40	
			No	%	No	%	No	%	No	%	No	%	No	%
1	Andhra Pradesh	717	377	52.6	221	30.8	80	11.2	26	3.6	10	1.4	3	0.4
2	Arunachal Pradesh	3	1	33.3	1	33.3	1	33.3	0	0.0	0	0.0	0	0.0
3	Assam	160	94	58.8	54	33.8	10	6.3	2	1.3	0	0.0	0	0.0
4	Bihar	548	132	24.1	348	63.5	58	10.6	10	1.8	0	0.0	0	0.0
5	Chandigarh	12	0	0.0	3	25.0	1	8.3	4	33.3	3	25.0	1	8.3
6	Chhattisgarh	721	46	6.4	476	66.0	172	23.9	24	3.3	3	0.4	0	0.0
7	Dadra & Nagar Haveli ***	17	6	35.3	10	58.8	1	5.9	0	0.0	0	0.0	0	0.0
8	Daman & Diu	9	1	11.1	7	77.8	1	11.1	0	0.0	0	0.0	0	0.0
9	Delhi	81	1	1.2	18	22.2	21	25.9	21	25.9	14	17.3	6	7.4
10	Goa	65	8	12.3	31	47.7	22	33.8	4	6.2	0	0.0	0	0.0
11	Gujarat	742	136	18.3	288	38.8	204	27.5	79	10.6	34	4.6	1	0.1
12	Haryana	315	24	7.6	66	21.0	52	16.5	77	24.4	66	21.0	30	9.5
13	Himachal Pradesh	89	18	20.2	30	33.7	21	23.6	17	19.1	3	3.4	0	0.0
14	Jammu & Kashmir	163	34	20.9	86	52.8	29	17.8	8	4.9	6	3.7	0	0.0
15	Jharkhand	279	61	21.9	171	61.3	44	15.8	3	1.1	0	0.0	0	0.0
16	Karnataka	1318	440	33.4	470	35.7	322	24.4	82	6.2	4	0.3	0	0.0
17	Kerala	1334	243	18.2	416	31.2	561	42.1	109	8.2	5	0.4	0	0.0
18	Madhya Pradesh	1296	155	12.0	525	40.5	470	36.3	127	9.8	18	1.4	1	0.1
19	Maharashtra**	3701	1859	50.2	1293	34.9	431	11.6	95	2.6	23	0.6	0	0.0
20	Meghalaya	24	11	45.8	13	54.2	0	0.0	0	0.0	0	0.0	0	0.0
21	Nagaland	2	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0
22	Odisha	1220	543	44.5	582	47.7	93	7.6	2	0.2	0	0.0	0	0.0
23	Pondicherry	6	1	16.7	4	66.7	1	16.7	0	0.0	0	0.0	0	0.0
24	Punjab	250	20	8.0	38	15.2	47	18.8	65	26.0	60	24.0	20	8.0
25	Rajasthan	968	50	5.2	217	22.4	193	19.9	158	16.3	171	17.7	179	18.5
26	Tamil Nadu	640	114	17.8	208	32.5	196	30.6	95	14.8	20	3.1	7	1.1
27	Telangana	549	208	37.9	218	39.7	92	16.8	24	4.4	6	1.1	1	0.2
28	Tripura	21	9	42.9	10	47.6	2	9.5	0	0.0	0	0.0	0	0.0
29	Uttar Pradesh	634	117	18.5	273	43.1	126	19.9	97	15.3	18	2.8	3	0.5
30	Uttarakhand	47	6	12.8	13	27.7	17	36.2	6	12.8	3	6.4	2	4.3
31	West Bengal	638	140	21.9	300	47.0	107	16.8	78	12.2	13	2.0	0	0.0
Total		16569	4855	29.3	6391	38.6	3376	20.4	1213	7.3	480	2.9	254	1.5

** State Govt data used in respect of Maharashtra; *** November 2019 data used for D & NH

Depth to Water Level Distribution of Percentage of Observation Wells as of November 2021

S. No.	Name of State	No. of wells Analysed	Number & Percentage of Wells Showing Depth to Water Level (mbgl) in the Range of											
			0-2		2-5		5-10		10-20		20-40		>40	
			No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar	94	82	87.2	10	10.6	2	2.1	0	0	0	0	0	0
2	Andhra Pradesh	724	367	50.7	225	31.1	98	13.5	27	3.7	6	0.8	1	0.1
3	Arunachal Pradesh	10	1	10	8	80	1	10	0	0	0	0	0	0
4	Assam	169	65	38.5	84	49.7	17	10.1	3	1.8	0	0	0	0
5	Bihar	593	232	39.1	326	55	33	5.6	2	0.3	0	0	0	0
6	Chandigarh	12	0	0	3	25	1	8.3	4	33.3	3	25	1	8.3
7	Chhattisgarh	694	110	15.9	390	56.2	162	23.3	29	4.2	3	0.4	0	0
8	Dadra & Nagar Haveli	17	4	23.5	11	64.7	2	11.8	0	0	0	0	0	0
9	Daman & Diu	5	1	20	2	40	2	40	0	0	0	0	0	0
10	Delhi	87	15	17.2	18	20.7	23	26.4	15	17.2	8	9.2	8	9.2
11	Goa	68	6	8.8	32	47.1	24	35.3	6	8.8	0	0	0	0
12	Gujarat	747	170	22.8	276	36.9	177	23.7	88	11.8	33	4.4	3	0.4
13	Haryana	183	14	7.7	40	21.9	34	18.6	50	27.3	35	19.1	10	5.5
14	Himachal Pradesh	86	23	26.7	29	33.7	18	20.9	14	16.3	2	2.3	0	0
15	Jammu & Kashmir	213	79	37.1	80	37.6	39	18.3	9	4.2	6	2.8	0	0
16	Jharkhand	205	26	12.7	145	70.7	33	16.1	1	0.5	0	0	0	0
17	Karnataka	1290	502	38.9	454	35.2	287	22.2	46	3.6	1	0.1	0	0
18	Kerala	1304	330	25.3	459	35.2	425	32.6	83	6.4	6	0.5	1	0.1
19	Madhya Pradesh	1296	168	13	588	45.4	422	32.6	105	8.1	13	1	0	0
20	Maharashtra	1757	512	29.1	839	47.8	315	17.9	71	4	18	1	2	0.1
21	Meghalaya	24	10	41.7	14	58.3	0	0	0	0	0	0	0	0
22	Nagaland	2	0	0	1	50	1	50	0	0	0	0	0	0
23	Odisha	1253	503	40.1	602	48	139	11.1	9	0.7	0	0	0	0
24	Pondicherry	6	4	66.7	2	33.3	0	0	0	0	0	0	0	0
25	Punjab	176	13	7.4	43	24.4	34	19.3	48	27.3	36	20.5	2	1.1
26	Rajasthan	919	59	6.4	171	18.6	185	20.1	177	19.3	162	17.6	165	18
27	Tamil Nadu	541	230	42.5	142	26.2	113	20.9	42	7.8	7	1.3	7	1.3
28	Telangana	545	154	28.3	252	46.2	100	18.3	29	5.3	9	1.7	1	0.2
29	Tripura	22	6	27.3	13	59.1	3	13.6	0	0	0	0	0	0
30	Uttar Pradesh	650	233	35.8	202	31.1	115	17.7	81	12.5	16	2.5	3	0.5
31	Uttarakhand	45	7	15.6	11	24.4	15	33.3	6	13.3	4	8.9	2	4.4
32	West Bengal	733	265	36.2	283	38.6	103	14.1	66	9	16	2.2	0	0
	Total	14470	4191	29	5755	39.8	2923	20.2	1011	7	384	2.7	206	1.4

Depth to Water Level Distribution of Percentage of Observation Wells as of November 2022														
Sr. No.	State/UT Name	No of well analysed	No./Percentage of wells showing depth to water level (mbgl) in the range of											
			0 to 2		2 to 5		5 to 10		10 to 20		20 to 40		> 40	
			No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	Andhra Pradesh	740	370	50	233	31.5	100	13.5	30	4.1	7	0.9	0	0
2	Arunachal Pradesh	25	9	36	8	32	7	28	1	4	0	0	0	0
3	Assam	299	146	48.8	125	41.8	21	7	7	2.3	0	0	0	0
4	Bihar	664	104	15.7	458	69	99	14.9	3	0.5	0	0	0	0
5	Chhattisgarh	1024	234	22.9	619	60.4	157	15.3	13	1.3	1	0.1	0	0
6	Goa	83	7	8.4	37	44.6	30	36.1	9	10.8	0	0	0	0
7	Gujarat	711	121	17	274	38.5	201	28.3	81	11.4	30	4.2	4	0.6
8	Haryana	945	85	9	177	18.7	133	14.1	204	21.6	240	25.4	106	11.2
9	Himachal Pradesh	84	16	19	29	34.5	15	17.9	19	22.6	5	6	0	0
10	Jharkhand	392	47	12	244	62.2	96	24.5	5	1.3	0	0	0	0
11	Karnataka	1402	461	32.9	540	38.5	350	25	49	3.5	2	0.1	0	0
12	Kerala	1424	280	19.7	456	32	544	38.2	130	9.1	13	0.9	1	0.1
13	Madhya Pradesh	1225	228	18.6	585	47.8	323	26.4	79	6.4	10	0.8	0	0
14	Maharashtra	1724	394	22.9	850	49.3	402	23.3	63	3.7	13	0.8	2	0.1
15	Meghalaya	50	26	52	23	46	1	2	0	0	0	0	0	0
16	Nagaland	13	3	23.1	3	23.1	6	46.2	1	7.7	0	0	0	0
17	Odisha	1415	570	40.3	709	50.1	133	9.4	3	0.2	0	0	0	0
18	Punjab	502	19	3.8	75	14.9	79	15.7	143	28.5	168	33.5	18	3.6
19	Rajasthan	964	73	7.6	235	24.4	164	17	174	18	145	15	173	17.9
20	Tamil Nadu	896	190	21.2	463	51.7	197	22	44	4.9	1	0.1	1	0.1
21	Telangana	551	192	34.8	228	41.4	101	18.3	25	4.5	2	0.4	3	0.5
22	Tripura	98	26	26.5	56	57.1	11	11.2	4	4.1	1	1	0	0
23	Uttar Pradesh	904	218	24.1	367	40.6	196	21.7	101	11.2	18	2	4	0.4
24	Uttarakhand	152	17	11.2	44	28.9	36	23.7	27	17.8	18	11.8	10	6.6
25	West Bengal	733	193	26.3	402	54.8	124	16.9	14	1.9	0	0	0	0
26	Andaman and Nicobar	109	94	86.2	15	13.8	0	0	0	0	0	0	0	0
27	Chandigarh	13	0	0	4	30.8	2	15.4	3	23.1	3	23.1	1	7.7
28	Daman & Diu and Dadra & Nagar Haveli	22	2	9.1	16	72.7	4	18.2	0	0	0	0	0	0
29	Delhi	116	9	7.8	28	24.1	43	37.1	22	19	11	9.5	3	2.6
30	Jammu and Kashmir	310	86	27.7	146	47.1	45	14.5	20	6.5	11	3.5	2	0.6
31	Puducherry	9	1	11.1	7	77.8	1	11.1	0	0	0	0	0	0
	Total*	17599	4221	24	7456	42.4	3621	20.6	1274	7.2	699	4	328	1.9

*Additional data in addition to the GEMS database analysed for post-monsoon 2022
