

GOVERNMENT OF INDIA
 MINISTRY OF JAL SHAKTI,
 DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA
 REJUVENATION
LOK SABHA
UNSTARRED STARRED QUESTION NO. 234
 ANSWERED ON 03.02.2022

GROUND WATER LEVEL

234. SHRI RAJIV PRATAP RUDY

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

- (a) the details of the average ground water levels in the country during the last three years, State/UT-wise including Bihar district-wise;
- (b) the details of the districts that have notified critical levels of ground water, State/UT-wise including Bihar;
- (c) whether the Government has launched policy measures for rejuvenation of ground water levels in different parts of the country particularly in districts which have been notified as water deficient; and
- (d) if so, the details thereof along with the steps taken in this regard including in Bihar?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Central Ground Water Board (CGWB) is periodically monitoring the ground water levels throughout the country including Bihar on a regional scale, through a network of monitoring wells. Information with respect to ground water level of the country during last three years i.e. 2021, 2020 and 2019 is given below-

SI. No.	Year	Wells analysed	0-2 mbgl (%)	2-5 mbgl (%)	5-10 mbgl (%)	10-20 mbgl (%)	20-40 mbgl (%)	>40 mbgl (%)
1.	Nov 2021	14470	28.90	39.80	20.20	7.00	2.70	1.40
2.	Nov 2020	16569	29.30	38.60	20.40	7.30	2.90	1.50
3.	Nov 2019	14827	27.50	38.52	21.25	7.70	3.45	1.60

The State/UT-wise information of ground water levels in the country including Bihar during 2021, 2020 and 2019 are given as **Annexure I**

(b) The Dynamic Ground Water Resources estimation of the entire country including Bihar are taken up periodically by CGWB and State Governments jointly. As per the 2020 assessment, out of the total 6965 assessment units (Block/ Taluks/ Mandals/ watersheds/ Firkas) in the country, 1114 units in 15 States/UTs have been categorized as ‘Over-exploited’ where the Annual Ground Water Extraction is more than Annual Extractable Ground Water Resource. Further, out of total 534 assessment units (blocks) in Bihar, 7 blocks have been categorised as ‘Over-exploited’

The complete groundwater resource information including details of Over-exploited assessment units for the entire country (including State/UT-wise) can be seen at URL: http://cgwb.gov.in/documents/2021-08-02-GWRA_India_2020.pdf.

(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 URL:http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf. Some of the important initiatives in this regard are also given at **Annexure II**.

Government of India launched Jal Shakti Abhiyan (JSA) in the year 2019 which continued during 2021 also to improve water availability including ground water conditions in the country including Bihar. Further, the campaign “Jal Shakti Abhiyan: Catch the rain” (JSA:CTR) was launched by the Hon’ble Prime Minister on 22 March 2021.

Ministry of Housing & Urban Affairs (MoHUA) has formulated guidelines for the States to adopt measures suitable to local conditions, such as Unified Building Bye Laws (UBBL) of Delhi, 2016, Model Building Bye Laws (MBBL), 2016 and Urban and Regional Development Plan Formulation and Implementation (URDPFI) Guidelines, 2014, wherein adequate focus has been given on requirement of rainwater harvesting and water conservation measures. As per MBBL, all buildings having a plot size of 100 sq.m. or, more shall mandatorily include the complete proposal of rainwater harvesting. 33 States/ UTs have adopted the features of these Bye Laws.

In addition, a number of States have done notable work in the field of water conservation/harvesting such as ‘Mukhyamantri Jal Swavlamban Abhiyan’ in Rajasthan, ‘Jalyukt Shibar’ 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) of Unstarred Question No. 234 to be answered in Lok Sabha on 03.02.2022 regarding “Ground Water Level”.

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 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											
					0-2		2-5		5-10		10-20		20-40		> 40	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar Islands	90	0.36	10.04	59	65.56	29	32.22	1	1.1	1	1.11	0	0.00	0	0.00
2	Andhra Pradesh	708	0.00	58.04	343	48.45	203	28.67	103	14.5	48	6.78	9	1.27	2	0.28
3	Arunachal Pradesh	8	2.10	7.43	0	0.00	6	75.00	2	25.00	0	0.00	0	0.00	0	0.00
4	Assam	119	0.00	18.32	56	47.06	51	42.86	10	8.40	2	1.68	0	0.00	0	0.00
5	Bihar	628	0.02	14.00	182	28.98	340	54.14	101	16.08	5	0.80	0	0.00	0	0.00
6	Chandigarh	8	2.87	18.97	0	0.00	2	25.00	2	25.00	4	50.00	0	0.00	0	0.00
7	Chhattisgarh	569	0.48	21.35	74	13.01	361	63.44	115	20.21	18	3.16	1	0.18	0	0.00
8	Dadra & Nagar Haveli	17	1.03	7.60	6	35.29	10	58.82	1	5.88	0	0.00	0	0.00	0	0.00
9	Daman & Diu	9	3.92	6.08	3	33.33	5	55.56	1	11.11	0	0.00	0	0.00	0	0.00
10	Delhi	85	0.30	63.15	7	8.24	13	15.29	20	23.53	23	27.06	15	17.65	7	8.24
11	Goa	69	0.04	14.67	17	24.64	31	44.93	17	24.64	4	5.80	0	0.00	0	0.00
12	Gujarat	811	0.08	50.62	224	27.62	311	38.35	178	21.95	65	8.01	31	3.82	2	0.25
13	Haryana	288	0.57	77.00	32	11.11	55	19.10	69	23.96	61	21.18	60	20.83	11	3.82
14	Himachal Pradesh	103	0.38	30.43	29	28.16	35	33.98	22	21.36	14	13.59	3	2.91	0	0.00
15	Jammu & Kashmir	204	0.10	28.26	72	35.29	87	42.65	32	15.69	7	3.43	6	2.94	0	0.00
16	Jharkhand	274	0.35	15.00	74	27.01	153	55.84	42	15.33	5	1.82	0	0.00	0	0.00
17	Karnataka	1231	0.00	30.70	402	32.66	435	35.34	328	26.65	61	4.96	5	0.41	0	0.00
18	Kerala	1428	0.08	34.33	312	21.85	476	33.33	534	37.39	99	6.93	7	0.49	0	0.00
19	Madhya Pradesh	1364	0.00	37.14	339	24.85	609	44.65	319	23.39	80	5.87	17	1.25	0	0.00
20	Maharashtra	1644	0.01	53.20	502	30.54	687	41.79	339	20.62	84	5.11	31	1.89	1	0.06
21	Meghalaya	13	0.15	4.90	6	46.15	7	53.85	0	0.00	0	0.00	0	0.00	0	0.00
22	Nagaland	3	1.32	6.60	1	33.33	1	33.33	1	33.33	0	0.00	0	0.00	0	0.00
23	Odisha	1238	0.01	12.00	521	42.08	605	48.87	108	8.72	4	0.32	0	0.00	0	0.00
24	Pondicherry	4	1.31	2.85	3	75.00	1	25.00	0	0.00	0	0.00	0	0.00	0	0.00
25	Punjab	222	0.59	44.80	9	4.05	51	22.97	41	18.47	53	23.87	65	29.28	3	1.35
26	Rajasthan	1023	0.10	121.28	123	12.02	200	19.55	179	17.50	158	15.44	170	16.62	193	18.87
27	Tamil Nadu	655	0.00	105.36	177	27.02	188	28.70	190	29.01	75	11.45	18	2.75	7	1.07
28	Telangana	565	0.00	69.35	178	31.50	165	29.20	114	20.18	83	14.69	22	3.89	3	0.53
29	Tripura	21	0.55	6.38	8	38.10	12	57.14	1	4.76	0	0.00	0	0.00	0	0.00
30	Uttar Pradesh	660	0.02	44.05	149	22.58	249	37.73	136	20.61	100	15.15	24	3.64	2	0.30
31	Uttarakhand	49	1.38	61.81	7	14.29	10	20.41	15	30.61	10	20.41	4	8.16	3	6.12
32	West Bengal	717	0.00	32.61	162	22.59	323	45.05	130	18.13	78	10.88	24	3.35	0	0.00
Total		14827	0.00	121.28	4077	27.50	5711	38.52	3151	21.25	114 2	7.70	512	3.45	234	1.6

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2020

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											
					0-2		2-5		5-10		10-20		20-40		> 40	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	Andhra Pradesh	717	0.00	75.65	377	52.6	221	30.8	80	11.2	26	3.6	10	1.4	3	0.4
2	Arunachal Pradesh	3	0.80	6.47	1	33.3	1	33.3	1	33.3	0	0.0	0	0.0	0	0.0
3	Assam	160	0.05	15.84	94	58.8	54	33.8	10	6.3	2	1.3	0	0.0	0	0.0
4	Bihar	548	0.25	15.00	132	24.1	348	63.5	58	10.6	10	1.8	0	0.0	0	0.0
5	Chandigarh	12	2.74	53.64	0	0.0	3	25.0	1	8.3	4	33.3	3	25.0	1	8.3
6	Chhattisgarh	721	0.07	29.57	46	6.4	476	66.0	172	23.9	24	3.3	3	0.4	0	0.0
7	Dadra & Nagar Haveli #	17	1.03	7.60	6	35.3	10	58.8	1	5.9	0	0.0	0	0.0	0	0.0
8	Daman & Diu	9	1.30	4.60	1	11.1	7	77.8	1	11.1	0	0.0	0	0.0	0	0.0
9	Delhi	81	1.61	65.16	1	1.2	18	22.2	21	25.9	21	25.9	14	17.3	6	7.4
10	Goa	65	1.32	13.58	8	12.3	31	47.7	22	33.8	4	6.2	0	0.0	0	0.0
11	Gujarat	742	0.00	44.20	136	18.3	288	38.8	204	27.5	79	10.6	34	4.6	1	0.1
12	Haryana	315	0.10	108.00	24	7.6	66	21.0	52	16.5	77	24.4	66	21.0	30	9.5
13	Himachal Pradesh	89	0.41	29.02	18	20.2	30	33.7	21	23.6	17	19.1	3	3.4	0	0.0
14	Jammu & Kashmir	163	0.09	34.50	34	20.9	86	52.8	29	17.8	8	4.9	6	3.7	0	0.0
15	Jharkhand	279	0.00	14.05	61	21.9	171	61.3	44	15.8	3	1.1	0	0.0	0	0.0
16	Karnataka	1318	0.01	32.50	440	33.4	470	35.7	322	24.4	82	6.2	4	0.3	0	0.0
17	Kerala	1334	0.18	31.35	243	18.2	416	31.2	561	42.1	109	8.2	5	0.4	0	0.0
18	Madhya Pradesh	1296	0.00	54.10	155	12.0	525	40.5	470	36.3	127	9.8	18	1.4	1	0.1
19	Maharashtra **	3701	0.05	39.50	1859	50.2	1293	34.9	431	11.6	95	2.6	23	0.6	0	0.0
20	Meghalaya	24	0.18	4.80	11	45.8	13	54.2	0	0.0	0	0.0	0	0.0	0	0.0
21	Nagaland	2	4.21	6.37	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0
22	Odisha	1220	0.01	12.76	543	44.5	582	47.7	93	7.6	2	0.2	0	0.0	0	0.0
23	Pondicherry	6	1.36	6.78	1	16.7	4	66.7	1	16.7	0	0.0	0	0.0	0	0.0
24	Punjab	250	0.28	70.00	20	8.0	38	15.2	47	18.8	65	26.0	60	24.0	20	8.0
25	Rajasthan	968	0.17	119.02	50	5.2	217	22.4	193	19.9	158	16.3	171	17.7	179	18.5
26	Tamil Nadu	640	0.00	67.42	114	17.8	208	32.5	196	30.6	95	14.8	20	3.1	7	1.1
27	Telangana	549	0.00	67.00	208	37.9	218	39.7	92	16.8	24	4.4	6	1.1	1	0.2
28	Tripura	21	0.24	6.12	9	42.9	10	47.6	2	9.5	0	0.0	0	0.0	0	0.0
29	Uttar Pradesh	634	0.00	44.21	117	18.5	273	43.1	126	19.9	97	15.3	18	2.8	3	0.5
30	Uttarakhand	47	0.98	60.00	6	12.8	13	27.7	17	36.2	6	12.8	3	6.4	2	4.3
31	West Bengal	638	0.00	29.38	140	21.9	300	47.0	107	16.8	78	12.2	13	2.0	0	0.0
Total		16569	0.00	119.02	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 in respect of Dadra Nagar Haveli																

State-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2021

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											
					0-2		2-5		5-10		10-20		20-40		> 40	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	Andaman & Nicobar	94	0.07	7.04	82	87.2	10	10.6	2	2.1	0	0.0	0	0.0	0	0.0
2	Andhra Pradesh	724	0.00	49.99	367	50.7	225	31.1	98	13.5	27	3.7	6	0.8	1	0.1
3	Arunachal Pradesh	10	1.25	6.80	1	10.0	8	80.0	1	10.0	0	0.0	0	0.0	0	0.0
4	Assam	169	0.02	16.67	65	38.5	84	49.7	17	10.1	3	1.8	0	0.0	0	0.0
5	Bihar	593	0.00	10.69	232	39.1	326	55.0	33	5.6	2	0.3	0	0.0	0	0.0
6	Chandigarh	12	2.80	51.31	0	0.0	3	25.0	1	8.3	4	33.3	3	25.0	1	8.3
7	Chhattisgarh	694	0.31	22.00	110	15.9	390	56.2	162	23.3	29	4.2	3	0.4	0	0.0
8	Dadra & Nagar Haveli	17	1.17	7.05	4	23.5	11	64.7	2	11.8	0	0.0	0	0.0	0	0.0
9	Daman & Diu	5	0.14	6.35	1	20.0	2	40.0	2	40.0	0	0.0	0	0.0	0	0.0
10	Delhi	87	0.14	65.67	15	17.2	18	20.7	23	26.4	15	17.2	8	9.2	8	9.2
11	Goa	68	1.10	15.70	6	8.8	32	47.1	24	35.3	6	8.8	0	0.0	0	0.0
12	Gujarat	747	0.00	52.33	170	22.8	276	36.9	177	23.7	88	11.8	33	4.4	3	0.4
13	Haryana	183	0.63	76.50	14	7.7	40	21.9	34	18.6	50	27.3	35	19.1	10	5.5
14	Himachal Pradesh	86	0.24	32.85	23	26.7	29	33.7	18	20.9	14	16.3	2	2.3	0	0.0
15	Jammu & Kashmir	213	0.32	31.80	79	37.1	80	37.6	39	18.3	9	4.2	6	2.8	0	0.0
16	Jharkhand	205	0.35	10.09	26	12.7	145	70.7	33	16.1	1	0.5	0	0.0	0	0.0
17	Karnataka	1290	0.01	26.58	502	38.9	454	35.2	287	22.2	46	3.6	1	0.1	0	0.0
18	Kerala	1304	0.01	53.60	330	25.3	459	35.2	425	32.6	83	6.4	6	0.5	1	0.1
19	Madhya Pradesh	1296	0.08	37.76	168	13.0	588	45.4	422	32.6	105	8.1	13	1.0	0	0.0
20	Maharashtra	1757	0.01	54.70	512	29.1	839	47.8	315	17.9	71	4.0	18	1.0	2	0.1
21	Meghalaya	24	0.20	4.80	10	41.7	14	58.3	0	0.0	0	0.0	0	0.0	0	0.0
22	Nagaland	2	3.58	6.05	0	0.0	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0
23	Odisha	1253	0.06	13.60	503	40.1	602	48.0	139	11.1	9	0.7	0	0.0	0	0.0
24	Pondicherry	6	0.83	2.50	4	66.7	2	33.3	0	0.0	0	0.0	0	0.0	0	0.0
25	Punjab	176	0.02	42.00	13	7.4	43	24.4	34	19.3	48	27.3	36	20.5	2	1.1
26	Rajasthan	919	0.25	116.98	59	6.4	171	18.6	185	20.1	177	19.3	162	17.6	165	18.0
27	Tamil Nadu	541	0.05	62.50	230	42.5	142	26.2	113	20.9	42	7.8	7	1.3	7	1.3
28	Telangana	545	0.00	50.14	154	28.3	252	46.2	100	18.3	29	5.3	9	1.7	1	0.2
29	Tripura	22	0.31	6.58	6	27.3	13	59.1	3	13.6	0	0.0	0	0.0	0	0.0
30	Uttar Pradesh	650	0.00	43.95	233	35.8	202	31.1	115	17.7	81	12.5	16	2.5	3	0.5
31	Uttarakhand	45	0.04	55.16	7	15.6	11	24.4	15	33.3	6	13.3	4	8.9	2	4.4
32	West Bengal	733	0.14	29.35	265	36.2	283	38.6	103	14.1	66	9.0	16	2.2	0	0.0
	Total	14470	0.00	116.98	4191	29.0	5755	39.8	2923	20.2	1011	7.0	384	2.7	206	1.4

District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2019 in Bihar

S. No.	Name of District	No. of wells Analysed	Depth to Water Level (mbgl)		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	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	ARARIA	8	1.8	3.4	3	37.5	5	62.5	0	0.0	0	0.0	0	0	0	0
2	AURANGABAD	16	0.1	14.0	5	31.3	8	50.0	2	12.5	1	6.3	0	0	0	0
3	BANKA	11	1.0	3.3	3	27.3	8	72.7	0	0.0	0	0.0	0	0	0	0
4	BEGUSARAI	25	1.5	5.5	4	16.0	16	64.0	5	20.0	0	0.0	0	0	0	0
5	BHAGALPUR	11	1.1	9.8	2	18.2	8	72.7	1	9.1	0	0.0	0	0	0	0
6	BHOJPUR	34	0.7	7.2	5	14.7	15	44.1	14	41.2	0	0.0	0	0	0	0
7	BUXAR	21	1.3	8.4	3	14.3	9	42.9	9	42.9	0	0.0	0	0	0	0
8	DARBHANGA	10	0.9	4.6	4	40.0	6	60.0	0	0.0	0	0.0	0	0	0	0
9	GAYA	20	0.9	8.8	5	25.0	8	40.0	7	35.0	0	0.0	0	0	0	0
10	GOPALGANJ	20	0.5	2.7	15	75.0	5	25.0	0	0.0	0	0.0	0	0	0	0
11	JAMUI	14	1.3	11.8	3	21.4	6	42.9	4	28.6	1	7.1	0	0	0	0
12	JEHANABAD	16	1.2	5.7	5	31.3	10	62.5	1	6.3	0	0.0	0	0	0	0
13	KAIMUR	12	1.3	8.0	2	16.7	8	66.7	2	16.7	0	0.0	0	0	0	0
14	KATIHAR	15	1.7	4.6	1	6.7	14	93.3	0	0.0	0	0.0	0	0	0	0
15	KHAGARIA	15	1.3	4.6	5	33.3	10	66.7	0	0.0	0	0.0	0	0	0	0
16	KISHANGANJ	9	1.5	8.3	3	33.3	5	55.6	1	11.1	0	0.0	0	0	0	0
17	LAKHISARAI	8	2.1	9.5	0	0.0	6	75.0	2	25.0	0	0.0	0	0	0	0
18	MADHEPURA	15	1.5	3.9	3	20.0	12	80.0	0	0.0	0	0.0	0	0	0	0
19	MADHUBANI	23	0.6	4.5	10	43.5	13	56.5	0	0.0	0	0.0	0	0	0	0
20	MUNGER	10	1.2	6.4	3	30.0	6	60.0	1	10.0	0	0.0	0	0	0	0
21	MUZAFFARPUR	22	0.4	5.9	6	27.3	11	50.0	5	22.7	0	0.0	0	0	0	0
22	NALANDA	39	0.9	12.8	9	23.1	17	43.6	12	30.8	1	2.6	0	0	0	0
23	NAWADA	14	0.9	8.6	2	14.3	6	42.9	6	42.9	0	0.0	0	0	0	0
24	PASHCHIM CHAMPARAN	12	1.6	3.7	1	8.3	11	91.7	0	0.0	0	0.0	0	0	0	0
25	PATNA	31	0.4	10.4	14	45.2	11	35.5	5	16.1	1	3.2	0	0	0	0
26	PURBA CHAMPARAN	25	0.6	6.3	12	48.0	12	48.0	1	4.0	0	0.0	0	0	0	0
27	PURNIA	17	1.8	4.1	1	5.9	16	94.1	0	0.0	0	0.0	0	0	0	0
28	ROHTAS	16	0.0	10.5	3	18.8	7	43.8	5	31.3	1	6.3	0	0	0	0
29	SAHARSA	15	0.9	3.3	7	46.7	8	53.3	0	0.0	0	0.0	0	0	0	0
30	SAMASTIPUR	21	0.7	9.5	1	4.8	9	42.9	11	52.4	0	0.0	0	0	0	0
31	SARAN	26	0.4	5.3	11	42.3	14	53.8	1	3.8	0	0.0	0	0	0	0
32	SEIKHPURA	9	1.2	6.6	3	33.3	2	22.2	4	44.4	0	0.0	0	0	0	0
33	SHEOHAR	2	2.4	3.1	0	0.0	2	100.0	0	0.0	0	0.0	0	0	0	0
34	SITAMARHI	16	0.9	10.0	9	56.3	6	37.5	1	6.3	0	0.0	0	0	0	0
35	SIWAN	15	0.9	4.4	8	53.3	7	46.7	0	0.0	0	0.0	0	0	0	0
36	SUPAUL	20	0.4	4.6	10	50.0	10	50.0	0	0.0	0	0.0	0	0	0	0
37	VAISHALI	15	1.4	5.0	1	6.7	13	86.7	1	6.7	0	0.0	0	0	0	0
Total		628	0.0	14.0	182	29.0	340	54.1	101	16.1	5	0.8	0	0.0	0	0.0

District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2020 in Bihar

S. No.	Name of District	No. of wells Analysed	Depth to Water Level (mbgl)		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	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	ARARIA	8	2.9	5.0	0	0.0	8	100.0	0	0.0	0	0.0	0	0	0	0
2	AURANGABAD	16	1.7	14.0	1	6.3	8	50.0	4	25.0	3	18.8	0	0	0	0
3	BANKA	12	2.8	7.0	0	0.0	10	83.3	2	16.7	0	0.0	0	0	0	0
4	BEGUSARAI	26	1.6	6.1	2	7.7	21	80.8	3	11.5	0	0.0	0	0	0	0
5	BHAGALPUR	11	2.0	12.2	1	9.1	7	63.6	1	9.1	2	18.2	0	0	0	0
6	DARBHANGA	10	0.3	2.6	8	80.0	2	20.0	0	0.0	0	0.0	0	0	0	0
7	GAYA	18	1.8	6.7	2	11.1	12	66.7	4	22.2	0	0.0	0	0	0	0
8	GOPALGANJ	20	0.8	15.0	6	30.0	13	65.0	0	0.0	1	5.0	0	0	0	0
9	JAMUI	15	2.3	14.5	0	0.0	7	46.7	6	40.0	2	13.3	0	0	0	0
10	JEHANABAD	16	2.0	7.2	0	0.0	12	75.0	4	25.0	0	0.0	0	0	0	0
11	KATIHAR	11	3.2	4.7	0	0.0	11	100.0	0	0.0	0	0.0	0	0	0	0
12	KHAGARIA	15	1.2	5.4	4	26.7	9	60.0	2	13.3	0	0.0	0	0	0	0
13	KISHANGANJ	8	2.6	9.6	0	0.0	7	87.5	1	12.5	0	0.0	0	0	0	0
14	LAKHISARAI	9	2.1	9.4	0	0.0	5	55.6	4	44.4	0	0.0	0	0	0	0
15	MADHEPURA	17	1.8	4.1	2	11.8	15	88.2	0	0.0	0	0.0	0	0	0	0
16	MADHUBANI	26	0.6	3.5	16	61.5	10	38.5	0	0.0	0	0.0	0	0	0	0
17	MUNGER	10	2.6	7.4	0	0.0	7	70.0	3	30.0	0	0.0	0	0	0	0
18	MUZAFFARPUR	25	0.4	7.2	9	36.0	15	60.0	1	4.0	0	0.0	0	0	0	0
19	NALANDA	36	0.6	8.5	11	30.6	17	47.2	8	22.2	0	0.0	0	0	0	0
20	NAWADA	13	1.5	6.6	3	23.1	7	53.8	3	23.1	0	0.0	0	0	0	0
21	PASHCHIM CHAMPARAN	13	1.5	3.6	1	7.7	12	92.3	0	0.0	0	0.0	0	0	0	0
22	PATNA	15	1.8	11.5	3	20.0	7	46.7	3	20.0	2	13.3	0	0	0	0
23	PURBA CHAMPARAN	30	0.4	7.1	12	40.0	16	53.3	2	6.7	0	0.0	0	0	0	0
24	PURNIA	14	2.6	5.9	0	0.0	12	85.7	2	14.3	0	0.0	0	0	0	0
25	SAHARSA	18	1.2	3.8	5	27.8	13	72.2	0	0.0	0	0.0	0	0	0	0
26	SAMASTIPUR	20	0.7	5.4	3	15.0	16	80.0	1	5.0	0	0.0	0	0	0	0
27	SARAN	27	0.6	4.6	9	33.3	18	66.7	0	0.0	0	0.0	0	0	0	0
28	SEIKHPURA	9	1.4	6.0	2	22.2	5	55.6	2	22.2	0	0.0	0	0	0	0
29	SHEOHAR	4	1.1	2.1	3	75.0	1	25.0	0	0.0	0	0.0	0	0	0	0
30	SITAMARHI	16	0.7	3.0	14	87.5	2	12.5	0	0.0	0	0.0	0	0	0	0
31	SIWAN	15	1.2	5.6	5	33.3	8	53.3	2	13.3	0	0.0	0	0	0	0
32	SUPAUL	21	1.1	4.4	4	19.0	17	81.0	0	0.0	0	0.0	0	0	0	0
33	VAISHALI	24	1.1	4.7	6	25.0	18	75.0	0	0.0	0	0.0	0	0	0	0
Total		548	0.3	15.0	132	24.1	348	63.5	58	10.6	10	1.8	0	0.0	0	0.0

District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2021 in Bihar

S. No.	Name of District	No. of wells Analysed	Depth to Water Level (mbgl)		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	
			Min	Max	No	%	No	%	No	%	No	%	No	%	No	%
1	ARARIA	8	1.93	3.40	1	12.5	7	87.5	0	0.0	0	0.0	0	0	0	0
2	AURANGABAD	10	0.78	4.93	1	10.0	9	90.0	0	0.0	0	0.0	0	0	0	0
3	BANKA	14	0.00	4.75	8	57.1	6	42.9	0	0.0	0	0.0	0	0	0	0
4	BEGUSARAI	26	0.76	5.20	5	19.2	20	76.9	1	3.8	0	0.0	0	0	0	0
5	BHAGALPUR	14	0.97	10.69	4	28.6	8	57.1	1	7.1	1	7.1	0	0	0	0
6	BHOJPUR	26	1.38	7.84	5	19.2	16	61.5	5	19.2	0	0.0	0	0	0	0
7	BUXAR	13	0.78	5.68	4	30.8	7	53.8	2	15.4	0	0.0	0	0	0	0
8	DARBHANGA	9	1.20	2.67	7	77.8	2	22.2	0	0.0	0	0.0	0	0	0	0
9	GAYA	17	1.08	7.00	7	41.2	7	41.2	3	17.6	0	0.0	0	0	0	0
10	GOPALGANJ	20	1.24	3.30	12	60.0	8	40.0	0	0.0	0	0.0	0	0	0	0
11	JAMUI	14	0.00	10.56	4	28.6	7	50.0	2	14.3	1	7.1	0	0	0	0
12	JEHANABAD	19	1.05	5.88	4	21.1	12	63.2	3	15.8	0	0.0	0	0	0	0
13	KAIMUR	5	0.94	9.30	1	20.0	2	40.0	2	40.0	0	0.0	0	0	0	0
14	KATIHAR	14	2.15	4.15	0	0.0	14	100.0	0	0.0	0	0.0	0	0	0	0
15	KHAGARIA	14	1.00	4.40	4	28.6	10	71.4	0	0.0	0	0.0	0	0	0	0
16	KISHANGANJ	9	2.12	5.85	0	0.0	8	88.9	1	11.1	0	0.0	0	0	0	0
17	LAKHISARAI	9	1.00	8.27	5	55.6	2	22.2	2	22.2	0	0.0	0	0	0	0
18	MADHEPURA	16	1.12	3.47	3	18.8	13	81.3	0	0.0	0	0.0	0	0	0	0
19	MADHUBANI	23	0.60	3.60	15	65.2	8	34.8	0	0.0	0	0.0	0	0	0	0
20	MUNGER	8	1.31	7.04	3	37.5	4	50.0	1	12.5	0	0.0	0	0	0	0
21	MUZAFFARPUR	24	0.63	3.27	12	50.0	12	50.0	0	0.0	0	0.0	0	0	0	0
22	NALANDA	28	0.30	6.27	16	57.1	11	39.3	1	3.6	0	0.0	0	0	0	0
23	NAWADA	13	1.39	5.22	5	38.5	7	53.8	1	7.7	0	0.0	0	0	0	0
24	PASHCHIM CHAMPARAN	11	1.50	3.65	2	18.2	9	81.8	0	0.0	0	0.0	0	0	0	0
25	PATNA	32	0.12	5.40	18	56.3	12	37.5	2	6.3	0	0.0	0	0	0	0
26	PURBA CHAMPARAN	26	0.71	5.02	12	46.2	13	50.0	1	3.8	0	0.0	0	0	0	0
27	PURNIA	18	2.15	4.58	0	0.0	18	100.0	0	0.0	0	0.0	0	0	0	0
28	ROHTAS	14	0.00	8.96	2	14.3	10	71.4	2	14.3	0	0.0	0	0	0	0
29	SAHARSA	18	1.06	3.15	9	50.0	9	50.0	0	0.0	0	0.0	0	0	0	0
30	SAMASTIPUR	20	0.27	4.46	10	50.0	10	50.0	0	0.0	0	0.0	0	0	0	0
31	SARAN	16	0.00	5.04	11	68.8	4	25.0	1	6.3	0	0.0	0	0	0	0
32	SEIKHPURA	7	0.60	2.81	4	57.1	3	42.9	0	0.0	0	0.0	0	0	0	0
33	SHEOHAR	4	1.45	2.86	1	25.0	3	75.0	0	0.0	0	0.0	0	0	0	0
34	SITAMARHI	16	0.75	2.51	14	87.5	2	12.5	0	0.0	0	0.0	0	0	0	0
35	SIWAN	15	0.78	5.26	9	60.0	5	33.3	1	6.7	0	0.0	0	0	0	0
36	SUPAUL	21	1.14	3.08	5	23.8	16	76.2	0	0.0	0	0.0	0	0	0	0
37	VAISHALI	22	0.86	5.60	9	40.9	12	54.5	1	4.5	0	0.0	0	0	0	0
Total		593	0.0	10.7	232	39.1	326	55.0	33	5.6	2	0.3	0	0	0	0

Annexure referred to in reply to parts (c) & (d) of Unstarred Question No. 234 answered in Lok Sabha on 03.02.2022 regarding “GROUNDWATER LEVEL”

Important initiatives on management of groundwater resources

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. In this regard, teams of officers from Central Government along-with technical officers from Ministry of Jal Shakti were deputed to visit water stressed districts and to work in close collaboration with district level officials to undertake suitable interventions.

In addition, Ministry of Jal Shakti has taken up the “Jal Shakti Abhiyan: Catch the Rain” (JSA:CTR) with the theme “Catch the Rain - Where it Falls When it Falls” to cover all the blocks of all districts (rural as well as urban areas) across the country during 22nd March 2021 to 30th November 2021. The campaign was launched by the Hon’ble Prime Minister on 22 March 2021.

Ministry of Jal Shakti, Department of Water Resources, RD & GR (DoWR, RD & GR) 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.

Central Ground Water Board (CGWB), in consultation with States/UTs, has prepared ‘Master Plan for Artificial Recharge to Groundwater - 2020’. The Master Plan – 2020 is a macro level plan indicating various structures for the different terrain conditions of the country. The Master Plan - 2020 envisages construction of about 1.42 crore rain water harvesting and artificial recharge structures in the country to harness 185 Billion Cubic Metre (BCM).

National Aquifer Mapping and Management program (NAQUIM) is being implemented by CGWB as part of Ground Water Management and Regulation (GWM & R) Scheme, a Central Sector scheme. NAQUIM envisages mapping of aquifers (water bearing formations), their characterization and development of Aquifer Management Plans to facilitate sustainable management of groundwater resources in the country. NAQUIM outputs are shared with States/UTs for suitable interventions.

Government of India generally supports artificial groundwater recharge/water harvesting works in the country through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS) and Prime Minister Krishi Sinchayee Yojana - Watershed Development component (PMKSY-WDC), ‘Surface Minor Irrigation (SMI) and Repair, Renovation and Restoration (RRR) of Water Bodies schemes’ a component of PMKSY.
