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

LOK SABHA

STARRED QUESTION NO. *314

ANSWERED ON 24.03.2022

DECLINE IN GROUND WATER LEVELS

*314. SHRI MAHENDRA SINGH SOLANKY SHRI RAJBAHADUR SINGH

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

(a) whether the ground water level has declined in the districts of Madhya Pradesh, Bihar, Uttar Pradesh and Rajasthan especially in Dewas, Sagar, Patliputra, Pratapgarh, Kaiserganj and Chittorgarh districts respectively;

(b) if so, the details thereof along with the ground water level observed in the aforesaid States/districts during the last ten years;

(c) whether the Government has initiated water conservation schemes or projects in the aforesaid States/ districts; and

(d) if so, the details of various schemes or projects implemented in the aforesaid States/districts along with the funds allocated for the same?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI
(SHRI PRAHLAD SINGH PATEL)

(a) to (d) A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. *314 TO BE ANSWERED ON 24.03.2022 IN LOK SABHA REGARDING "DECLINE IN GROUND WATER LEVELS"

(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 (2011-2020). Analysis of water level data indicates decline in ground water level in about 34% wells in Madhya Pradesh, 18% wells in Bihar, 26% wells in Uttar Pradesh and 59% wells in Rajasthan whereas the remaining wells registered rise in ground water level.

Further, in Madhya Pradesh, about 23% of the wells monitored in Dewas district have registered decline in ground water level, whereas about 52% in Sagar District showed declining trend. In Bihar, about 16% of the wells monitored in Patna/Patliputra district have registered decline in ground water level. In Uttar Pradesh, no decline has been observed in the district of Pratapgarah, however, Bahraich district under which Kaisergunj falls has shown 20 % of the wells have declining trend of groundwater level . In Rajasthan, about 50% of the wells monitored in Chittorgarh have registered decline in ground water level. Details are given at **Annexure-I (A,B,C & D)**.

(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.**

Central Government generally support construction of water conservation & rain water harvesting structures through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Pradhan Mantri Krishi Sinchayee Yojana – Watershed Development Component (PMKSY-WDC). Details of funds released to States of Madhya Pradesh, Bihar, Uttar Pradesh and Rajasthan under these schemes in the last three years are given at **Annexure III**.

*****

ANNEXURE-IA

ANNEXURE REFERRED TO IN REPLY TO PARTS (a) & (b) OF STARRED QUESTION NO. *314 TO BE ANSWERED IN LOK SABHA ON 24.03.2022 REGARDING "DECLINE IN GROUND WATER LEVELS".

District -wise Decadal Water Level Fluctuation with Mean [November (2011 to 2020] and November 2021 in MADHYA PRADESH

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			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	AGAR MALWA	15	7	46.7	4	26.7	4	26.7	0	0.0	0	0.0	0	0.0	15	100	0	0
2	ALIRAJPUR	13	3	23.1	0	0.0	0	0.0	9	69.2	1	7.7	0	0.0	3	23	10	77
3	ANUPPUR	17	9	52.9	2	11.8	0	0.0	6	35.3	0	0.0	0	0.0	11	65	6	35
4	ASHOK NAGAR	20	12	60.0	3	15.0	0	0.0	4	20.0	1	5.0	0	0.0	15	75	5	25
5	BALAGHAT	40	23	57.5	0	0.0	0	0.0	16	40.0	1	2.5	0	0.0	23	58	17	43
6	BARWANI	9	2	22.2	1	11.1	0	0.0	4	44.4	1	11.1	1	11.1	3	33	6	67
7	BETUL	28	9	32.1	4	14.3	1	3.6	10	35.7	2	7.1	2	7.1	14	50	14	50
8	BHIND	19	4	21.1	5	26.3	5	26.3	3	15.8	1	5.3	1	5.3	14	74	5	26
9	BHOPAL	26	16	61.5	3	11.5	0	0.0	5	19.2	2	7.7	0	0.0	19	73	7	27
10	BURHANPUR	17	8	47.1	2	11.8	3	17.6	2	11.8	0	0.0	2	11.8	13	76	4	24
11	CHHATARPUR	37	13	35.1	3	8.1	0	0.0	12	32.4	5	13.5	4	10.8	16	43	21	57
12	CHHINDWARA	35	18	51.4	1	2.9	0	0.0	12	34.3	4	11.4	0	0.0	19	54	16	46
13	DAMOH	22	9	40.9	1	4.5	0	0.0	7	31.8	4	18.2	1	4.5	10	45	12	55
14	DATIA	12	5	41.7	1	8.3	3	25.0	2	16.7	0	0.0	1	8.3	9	75	3	25
15	**DEWAS**	**22**	**9**	**40.9**	**5**	**22.7**	**3**	**13.6**	**3**	**13.6**	**1**	**4.5**	**1**	**4.5**	**17**	**77**	**5**	**23**
16	DHAR	38	16	42.1	5	13.2	4	10.5	11	28.9	0	0.0	2	5.3	25	66	13	34
17	DINDORI	16	7	43.8	0	0.0	0	0.0	8	50.0	1	6.3	0	0.0	7	44	9	56
18	EAST NIMAR	31	17	54.8	6	19.4	0	0.0	8	25.8	0	0.0	0	0.0	23	74	8	26
19	GUNA	22	16	72.7	1	4.5	1	4.5	2	9.1	2	9.1	0	0.0	18	82	4	18
20	GWALIOR	21	6	28.6	5	23.8	4	19.0	3	14.3	1	4.8	2	9.5	15	71	6	29
21	HARDA	13	7	53.8	0	0.0	0	0.0	5	38.5	1	7.7	0	0.0	7	54	6	46
22	HOSHANGABAD	17	3	17.6	0	0.0	0	0.0	11	64.7	2	11.8	1	5.9	3	18	14	82
23	INDORE	32	19	59.4	6	18.8	2	6.3	5	15.6	0	0.0	0	0.0	27	84	5	16
24	JABALPUR	32	12	37.5	0	0.0	0	0.0	14	43.8	5	15.6	1	3.1	12	38	20	63
25	JHABUA	11	4	36.4	0	0.0	0	0.0	7	63.6	0	0.0	0	0.0	4	36	7	64
26	KATNI	16	4	25.0	1	6.3	0	0.0	9	56.3	1	6.3	1	6.3	5	31	11	69
27	MANDLA	32	17	53.1	1	3.1	1	3.1	13	40.6	0	0.0	0	0.0	19	59	13	41
28	MANDSAUR	36	22	61.1	7	19.4	5	13.9	2	5.6	0	0.0	0	0.0	34	94	2	6
29	MORENA	14	4	28.6	3	21.4	3	21.4	1	7.1	2	14.3	1	7.1	10	71	4	29

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m					
			No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%
30	NARSIMHAPUR	15	6	40.0	1	6.7	2	13.3	6	40.0	0	0.0	0	0.0	9	60	6	40
31	NEEMUCH	33	16	48.5	10	30.3	6	18.2	1	3.0	0	0.0	0	0.0	32	97	1	3
32	PANNA	27	7	25.9	0	0.0	0	0.0	13	48.1	5	18.5	2	7.4	7	26	20	74
33	RAISEN	28	14	50.0	0	0.0	0	0.0	11	39.3	2	7.1	1	3.6	14	50	14	50
34	RAJGARH	27	10	37.0	6	22.2	6	22.2	4	14.8	1	3.7	0	0.0	22	81	5	19
35	RATLAM	39	17	43.6	8	20.5	9	23.1	4	10.3	1	2.6	0	0.0	34	87	5	13
36	REWA	31	16	51.6	2	6.5	2	6.5	11	35.5	0	0.0	0	0.0	20	65	11	35
37	**SAGAR**	**46**	**17**	**37.0**	**3**	**6.5**	**2**	**4.3**	**19**	**41.3**	**5**	**10.9**	**0**	**0.0**	**22**	**48**	**24**	**52**
38	SATNA	47	24	51.1	6	12.8	0	0.0	16	34.0	1	2.1	0	0.0	30	64	17	36
39	SEHORE	23	12	52.2	4	17.4	4	17.4	1	4.3	1	4.3	1	4.3	20	87	3	13
40	SEONI	43	16	37.2	4	9.3	1	2.3	19	44.2	2	4.7	1	2.3	21	49	22	51
41	SHAHDOL	27	14	51.9	4	14.8	0	0.0	6	22.2	2	7.4	1	3.7	18	67	9	33
42	SHAJAPUR	19	7	36.8	11	57.9	1	5.3	0	0.0	0	0.0	0	0.0	19	100	0	0
43	SHEOPUR	19	3	15.8	8	42.1	8	42.1	0	0.0	0	0.0	0	0.0	19	100	0	0
44	SHIVPURI	30	15	50.0	7	23.3	7	23.3	1	3.3	0	0.0	0	0.0	29	97	1	3
45	SIDHI	31	18	58.1	3	9.7	0	0.0	9	29.0	1	3.2	0	0.0	21	68	10	32
46	SINGRAULI	22	12	54.5	3	13.6	3	13.6	3	13.6	0	0.0	1	4.5	18	82	4	18
47	TIKAMGARH	23	7	30.4	3	13.0	2	8.7	5	21.7	4	17.4	2	8.7	12	52	11	48
48	UJJAIN	40	24	60.0	6	15.0	5	12.5	3	7.5	2	5.0	0	0.0	35	88	5	13
49	UMARIA	13	7	53.8	0	0.0	0	0.0	4	30.8	1	7.7	1	7.7	7	54	6	46
50	VIDISHA	29	15	51.7	5	17.2	0	0.0	9	31.0	0	0.0	0	0.0	20	69	9	31
51	WEST NIMAR	22	12	54.5	0	0.0	0	0.0	6	27.3	4	18.2	0	0.0	12	55	10	45
Total		**1297**	**590**	**45.5**	**164**	**12.6**	**97**	**7.5**	**345**	**26.6**	**70**	**5.4**	**31**	**2.4**	**851**	**66**	**446**	**34**

ANNEXURE- IB

District -wise Decadal Water Level Fluctuation with Mean [November (2011 to 2020] and November 2021 in BIHAR

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			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	ARARIA	8	5	62.5	0	0.0	0	0.0	3	37.5	0	0.0	0	0.0	5	63	3	38
2	AURANGABAD	10	4	40.0	0	0.0	1	10.0	3	30.0	2	20.0	0	0.0	5	50	5	50
3	BANKA	14	12	85.7	1	7.1	1	7.1	0	0.0	0	0.0	0	0.0	14	100	0	0
4	BEGUSARAI	26	19	73.1	5	19.2	0	0.0	2	7.7	0	0.0	0	0.0	24	92	2	8
5	BHAGALPUR	14	9	64.3	3	21.4	0	0.0	2	14.3	0	0.0	0	0.0	12	86	2	14
6	BHOJPUR	26	14	53.8	2	7.7	0	0.0	9	34.6	1	3.8	0	0.0	16	62	10	38
7	BUXAR	13	9	69.2	2	15.4	0	0.0	2	15.4	0	0.0	0	0.0	11	85	2	15
8	DARBHANGA	9	8	88.9	1	11.1	0	0.0	0	0.0	0	0.0	0	0.0	9	100	0	0
9	GAYA	17	13	76.5	2	11.8	0	0.0	2	11.8	0	0.0	0	0.0	15	88	2	12
10	GOPALGANJ	20	16	80.0	1	5.0	0	0.0	3	15.0	0	0.0	0	0.0	17	85	3	15
11	JAMUI	14	10	71.4	4	28.6	0	0.0	0	0.0	0	0.0	0	0.0	14	100	0	0
12	JEHANABAD	19	11	57.9	3	15.8	0	0.0	4	21.1	1	5.3	0	0.0	14	74	5	26
13	KAIMUR	5	3	60.0	0	0.0	0	0.0	1	20.0	1	20.0	0	0.0	3	60	2	40
14	KATIHAR	14	11	78.6	0	0.0	0	0.0	3	21.4	0	0.0	0	0.0	11	79	3	21
15	KHAGARIA	14	13	92.9	0	0.0	0	0.0	1	7.1	0	0.0	0	0.0	13	93	1	7
16	KISHANGANJ	9	3	33.3	1	11.1	0	0.0	5	55.6	0	0.0	0	0.0	4	44	5	56
17	LAKHISARAI	9	4	44.4	2	22.2	1	11.1	2	22.2	0	0.0	0	0.0	7	78	2	22
18	MADHEPURA	16	16	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16	100	0	0
19	MADHUBANI	23	21	91.3	0	0.0	0	0.0	2	8.7	0	0.0	0	0.0	21	91	2	9
20	MUNGER	8	6	75.0	0	0.0	0	0.0	2	25.0	0	0.0	0	0.0	6	75	2	25
21	MUZAFFARPUR	24	15	62.5	9	37.5	0	0.0	0	0.0	0	0.0	0	0.0	24	100	0	0
22	NALANDA	28	15	53.6	7	25.0	4	14.3	2	7.1	0	0.0	0	0.0	26	93	2	7
23	NAWADA	13	9	69.2	2	15.4	0	0.0	2	15.4	0	0.0	0	0.0	11	85	2	15
24	PASHCHIM	11	10	90.9	0	0.0	0	0.0	1	9.1	0	0.0	0	0.0	10	91	1	9
25	**PATNA**	**32**	**16**	**50.0**	**8**	**25.0**	**3**	**9.4**	**5**	**15.6**	**0**	**0.0**	**0**	**0.0**	**27**	**84**	**5**	**16**
26	PURBA	26	18	69.2	1	3.8	0	0.0	7	26.9	0	0.0	0	0.0	19	73	7	27
27	PURNIA	18	12	66.7	0	0.0	0	0.0	6	33.3	0	0.0	0	0.0	12	67	6	33
28	ROHTAS	14	2	14.3	2	14.3	0	0.0	8	57.1	2	14.3	0	0.0	4	29	10	71
29	SAHARSA	18	16	88.9	0	0.0	0	0.0	2	11.1	0	0.0	0	0.0	16	89	2	11
30	SAMASTIPUR	20	4	20.0	13	65.0	1	5.0	2	10.0	0	0.0	0	0.0	18	90	2	10
31	SARAN	16	13	81.3	2	12.5	0	0.0	1	6.3	0	0.0	0	0.0	15	94	1	6
32	SEIKHPURA	7	5	71.4	2	28.6	0	0.0	0	0.0	0	0.0	0	0.0	7	100	0	0
33	SHEOHAR	4	2	50.0	0	0.0	0	0.0	2	50.0	0	0.0	0	0.0	2	50	2	50
34	SITAMARHI	16	14	87.5	1	6.3	0	0.0	1	6.3	0	0.0	0	0.0	15	94	1	6
35	SIWAN	15	14	93.3	1	6.7	0	0.0	0	0.0	0	0.0	0	0.0	15	100	0	0
36	SUPAUL	21	9	42.9	0	0.0	0	0.0	12	57.1	0	0.0	0	0.0	9	43	12	57
37	VAISHALI	22	14	63.6	3	13.6	0	0.0	5	22.7	0	0.0	0	0.0	17	77	5	23
Total		**593**	**395**	**66.6**	**78**	**13.2**	**11**	**1.9**	**102**	**17.2**	**7**	**1.2**	**0**	**0.0**	**484**	**82**	**109**	**18**

ANNEXURE- IC

District -wise Decadal Water Level Fluctuation with Mean [November (2011 to 2020] and November 2021 in UTTAR PRADESH

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			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	AGRA	7	2	28.6	1	14.3	0	0.0	3	42.9	1	14.3	0	0.0	3	43	4	57
2	ALIGARH	7	2	28.6	0	0.0	0	0.0	5	71.4	0	0.0	0	0.0	2	29	5	71
3	ALLAHABAD	29	17	58.6	9	31.0	1	3.4	1	3.4	1	3.4	0	0.0	27	93	2	7
4	AMBEDKAR NAGAR	7	1	14.3	5	71.4	1	14.3	0	0.0	0	0.0	0	0.0	7	100	0	0
5	AURAIYA	8	4	50.0	0	0.0	0	0.0	3	37.5	1	12.5	0	0.0	4	50	4	50
6	AZAMGARH	14	4	28.6	8	57.1	2	14.3	0	0.0	0	0.0	0	0.0	14	100	0	0
7	**BAHRAICH**	**10**	**8**	**80.0**	**0**	**0.0**	**0**	**0.0**	**2**	**20.0**	**0**	**0.0**	**0**	**0.0**	**8**	**80**	**2**	**20**
8	BALLIA	13	8	61.5	5	38.5	0	0.0	0	0.0	0	0.0	0	0.0	13	100	0	0
9	BALRAMPUR	16	14	87.5	2	12.5	0	0.0	0	0.0	0	0.0	0	0.0	16	100	0	0
10	BANDA	12	5	41.7	1	8.3	0	0.0	5	41.7	1	8.3	0	0.0	6	50	6	50
11	BARABANKI	19	17	89.5	2	10.5	0	0.0	0	0.0	0	0.0	0	0.0	19	100	0	0
12	BAREILLY	8	4	50.0	0	0.0	0	0.0	3	37.5	1	12.5	0	0.0	4	50	4	50
13	BASTI	7	6	85.7	1	14.3	0	0.0	0	0.0	0	0.0	0	0.0	7	100	0	0
14	BIJNOR	6	5	83.3	0	0.0	0	0.0	1	16.7	0	0.0	0	0.0	5	83	1	17
15	BUDAUN	4	0	0.0	0	0.0	0	0.0	0	0.0	2	50.0	2	50.0	0	0	4	100
16	BULANDSHAHR	2	0	0.0	0	0.0	0	0.0	1	50.0	1	50.0	0	0.0	0	0	2	100
17	CHANDAULI	8	5	62.5	1	12.5	0	0.0	2	25.0	0	0.0	0	0.0	6	75	2	25
18	CHITRAKOOT	8	5	62.5	2	25.0	0	0.0	1	12.5	0	0.0	0	0.0	7	88	1	13
19	DEORIA	9	6	66.7	2	22.2	0	0.0	1	11.1	0	0.0	0	0.0	8	89	1	11
20	ETAH	8	0	0.0	0	0.0	0	0.0	6	75.0	2	25.0	0	0.0	0	0	8	100
21	ETAWAH	4	2	50.0	0	0.0	0	0.0	0	0.0	1	25.0	1	25.0	2	50	2	50
22	FAIZABAD	8	6	75.0	1	12.5	1	12.5	0	0.0	0	0.0	0	0.0	8	100	0	0
23	FARRUKHABAD	2	0	0.0	1	50.0	0	0.0	0	0.0	1	50.0	0	0.0	1	50	1	50
24	FATEHPUR	11	1	9.1	2	18.2	2	18.2	5	45.5	1	9.1	0	0.0	5	45	6	55
25	FIROZABAD	4	0	0.0	0	0.0	0	0.0	2	50.0	1	25.0	1	25.0	0	0	4	100
26	GAUTAM BUDDHA NAGAR	3	0	0.0	0	0.0	0	0.0	1	33.3	0	0.0	2	66.7	0	0	3	100
27	GHAZIABAD	5	0	0.0	0	0.0	0	0.0	4	80.0	1	20.0	0	0.0	0	0	5	100
28	GHAZIPUR	12	7	58.3	1	8.3	4	33.3	0	0.0	0	0.0	0	0.0	12	100	0	0
29	GONDA	5	4	80.0	1	20.0	0	0.0	0	0.0	0	0.0	0	0.0	5	100	0	0
30	GORAKHPUR	2	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0	0	0.0	2	100	0	0
31	HAMIRPUR	6	3	50.0	1	16.7	1	16.7	1	16.7	0	0.0	0	0.0	5	83	1	17
32	HARDOI	13	7	53.8	3	23.1	0	0.0	3	23.1	0	0.0	0	0.0	10	77	3	23
33	HATHRAS	2	1	50.0	0	0.0	0	0.0	0	0.0	1	50.0	0	0.0	1	50	1	50
34	JALAUN	23	13	56.5	0	0.0	0	0.0	7	30.4	2	8.7	1	4.3	13	57	10	43
35	JAUNPUR	22	10	45.5	6	27.3	2	9.1	3	13.6	0	0.0	1	4.5	18	82	4	18
36	JHANSI	14	9	64.3	1	7.1	0	0.0	2	14.3	1	7.1	1	7.1	10	71	4	29
37	JYOTIBA PHULE NAGAR	7	0	0.0	0	0.0	0	0.0	2	28.6	4	57.1	1	14.3	0	0	7	100
38	KANNAUJ	4	1	25.0	0	0.0	0	0.0	2	50.0	0	0.0	1	25.0	1	25	3	75
39	KANPUR DEHAT	5	4	80.0	0	0.0	0	0.0	1	20.0	0	0.0	0	0.0	4	80	1	20
40	KANPUR NAGAR	9	8	88.9	0	0.0	0	0.0	1	11.1	0	0.0	0	0.0	8	89	1	11

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			0-2 m		2-4 m		>4 m		0-2 m		2-4 m		>4 m					
			No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%
41	KAUSHAMBI	6	1	16.7	5	83.3	0	0.0	0	0.0	0	0.0	0	0.0	6	100	0	0
42	KHERI	6	3	50.0	1	16.7	0	0.0	2	33.3	0	0.0	0	0.0	4	67	2	33
43	KUSHINAGAR	5	3	60.0	0	0.0	0	0.0	1	20.0	1	20.0	0	0.0	3	60	2	40
44	LALITPUR	12	8	66.7	1	8.3	0	0.0	3	25.0	0	0.0	0	0.0	9	75	3	25
45	LUCKNOW	15	7	46.7	2	13.3	0	0.0	3	20.0	1	6.7	2	13.3	9	60	6	40
46	MAHOBA	9	3	33.3	0	0.0	0	0.0	4	44.4	2	22.2	0	0.0	3	33	6	67
47	MAHRAJGANJ	5	2	40.0	0	0.0	0	0.0	3	60.0	0	0.0	0	0.0	2	40	3	60
48	MAINPURI	3	1	33.3	0	0.0	0	0.0	2	66.7	0	0.0	0	0.0	1	33	2	67
49	MATHURA	11	8	72.7	0	0.0	0	0.0	3	27.3	0	0.0	0	0.0	8	73	3	27
50	MAU	6	2	33.3	4	66.7	0	0.0	0	0.0	0	0.0	0	0.0	6	100	0	0
51	MEERUT	10	2	20.0	1	10.0	0	0.0	6	60.0	0	0.0	1	10.0	3	30	7	70
52	MIRZAPUR	9	4	44.4	2	22.2	1	11.1	1	11.1	1	11.1	0	0.0	7	78	2	22
53	MORADABAD	7	3	42.9	0	0.0	0	0.0	0	0.0	3	42.9	1	14.3	3	43	4	57
54	MUZAFFARNAGAR	3	1	33.3	0	0.0	1	33.3	1	33.3	0	0.0	0	0.0	2	67	1	33
55	PILIBHIT	11	10	90.9	1	9.1	0	0.0	0	0.0	0	0.0	0	0.0	11	100	0	0
56	**PRATAPGARH**	**22**	**10**	**45.5**	**11**	**50.0**	**1**	**4.5**	**0**	**0.0**	**0**	**0.0**	**0**	**0.0**	**22**	**100**	**0**	**0**
57	RAE BARELI	21	18	85.7	0	0.0	0	0.0	3	14.3	0	0.0	0	0.0	18	86	3	14
58	RAMPUR	3	0	0.0	1	33.3	0	0.0	2	66.7	0	0.0	0	0.0	1	33	2	67
59	SAHARANPUR	9	7	77.8	1	11.1	0	0.0	1	11.1	0	0.0	0	0.0	8	89	1	11
60	SANT KABIR NAGAR	4	3	75.0	1	25.0	0	0.0	0	0.0	0	0.0	0	0.0	4	100	0	0
61	SANT RAVIDAS NAGAR	4	1	25.0	1	25.0	2	50.0	0	0.0	0	0.0	0	0.0	4	100	0	0
62	SHAHJAHANPUR	1	1	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	100	0	0
63	SHRAWASTI	11	11	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	100	0	0
64	SIDDHARTHNAGAR	10	10	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	100	0	0
65	SITAPUR	13	7	53.8	0	0.0	0	0.0	6	46.2	0	0.0	0	0.0	7	54	6	46
66	SONBHADRA	16	10	62.5	2	12.5	1	6.3	2	12.5	1	6.3	0	0.0	13	81	3	19
67	SULTANPUR	31	18	58.1	9	29.0	0	0.0	4	12.9	0	0.0	0	0.0	27	87	4	13
68	UNNAO	15	13	86.7	0	0.0	0	0.0	2	13.3	0	0.0	0	0.0	13	87	2	13
69	VARANASI	5	1	20.0	2	40.0	1	20.0	1	20.0	0	0.0	0	0.0	4	80	1	20
Total		**646**	**358**	**55.4**	**102**	**15.8**	**21**	**3.3**	**118**	**18.3**	**32**	**5.0**	**15**	**2.3**	**481**	**74**	**165**	**26**

ANNEXURE- ID

District -wise Decadal Water Level Fluctuation with Mean [November (2011 to 2020] and November 2021 in RAJASTHAN

S. No.	Name of District	No. of wells Analysed	Rise						Fall						Rise		Fall	
			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	AJMER	28	5	17.9	2	7.1	0	0.0	7	25.0	10	35.7	4	14.3	7	25	21	75
2	ALWAR	28	2	7.1	0	0.0	2	7.1	5	17.9	5	17.9	14	50.0	4	14	24	86
3	BANSWARA	37	8	21.6	2	5.4	1	2.7	15	40.5	8	21.6	2	5.4	11	30	25	68
4	BARAN	20	7	35.0	0	0.0	0	0.0	11	55.0	2	10.0	0	0.0	7	35	13	65
5	BARMER	36	8	22.2	1	2.8	1	2.8	14	38.9	8	22.2	4	11.1	10	28	26	72
6	BHARATPUR	23	5	21.7	4	17.4	0	0.0	5	21.7	5	21.7	4	17.4	9	39	14	61
7	BHILWARA	36	13	36.1	5	13.9	3	8.3	7	19.4	3	8.3	5	13.9	21	58	15	42
8	BIKANER	42	14	33.3	3	7.1	0	0.0	18	42.9	4	9.5	3	7.1	17	40	25	60
9	BUNDI	11	3	27.3	0	0.0	0	0.0	7	63.6	1	9.1	0	0.0	3	27	8	73
10	**CHITTAURGARH**	**18**	**8**	**44.4**	**1**	**5.6**	**0**	**0.0**	**6**	**33.3**	**0**	**0.0**	**3**	**16.7**	**9**	**50**	**9**	**50**
11	CHURU	28	14	50.0	1	3.6	1	3.6	8	28.6	2	7.1	2	7.1	16	57	12	43
12	DAUSA	13	1	7.7	2	15.4	0	0.0	4	30.8	4	30.8	2	15.4	3	23	10	77
13	DHAULPUR	11	2	18.2	1	9.1	0	0.0	5	45.5	0	0.0	3	27.3	3	27	8	73
14	DUNGARPUR	20	6	30.0	2	10.0	0	0.0	7	35.0	3	15.0	2	10.0	8	40	12	60
15	GANGANAGAR	39	10	25.6	5	12.8	1	2.6	19	48.7	2	5.1	2	5.1	16	41	23	59
16	HANUMANGARH	35	11	31.4	2	5.7	1	2.9	9	25.7	7	20.0	5	14.3	14	40	21	60
17	JAIPUR	105	12	11.4	12	11.4	15	14.3	21	20.0	15	14.3	30	28.6	39	37	66	63
18	JAISALMER	53	20	37.7	5	9.4	5	9.4	18	34.0	2	3.8	3	5.7	30	57	23	43
19	JALORE	17	3	17.6	3	17.6	0	0.0	1	5.9	2	11.8	8	47.1	6	35	11	65
20	JHALAWAR	27	16	59.3	1	3.7	0	0.0	8	29.6	2	7.4	0	0.0	17	63	10	37
21	JHUNJHUNU	12	0	0.0	1	8.3	0	0.0	3	25.0	3	25.0	5	41.7	1	8	11	92
22	JODHPUR	42	11	26.2	3	7.1	3	7.1	13	31.0	2	4.8	10	23.8	17	40	25	60
23	KARAULI	14	6	42.9	0	0.0	1	7.1	5	35.7	0	0.0	2	14.3	7	50	7	50
24	KOTA	17	5	29.4	1	5.9	0	0.0	8	47.1	2	11.8	1	5.9	6	35	11	65
25	NAGAUR	20	2	10.0	5	25.0	3	15.0	6	30.0	0	0.0	4	20.0	10	50	10	50
26	PALI	22	4	18.2	3	13.6	0	0.0	6	27.3	5	22.7	4	18.2	7	32	15	68
27	PRATAPGARH	16	9	56.3	2	12.5	0	0.0	5	31.3	0	0.0	0	0.0	11	69	5	31
28	RAJSAMAND	22	8	36.4	1	4.5	0	0.0	5	22.7	4	18.2	4	18.2	9	41	13	59
29	SAWAI MADHOPUR	17	7	41.2	2	11.8	4	23.5	2	11.8	1	5.9	1	5.9	13	76	4	24
30	SIKAR	34	5	14.7	2	5.9	0	0.0	18	52.9	3	8.8	6	17.6	7	21	27	79
31	SIROHI	12	0	0.0	1	8.3	0	0.0	6	50.0	3	25.0	2	16.7	1	8	11	92
32	TONK	19	9	47.4	3	15.8	2	10.5	2	10.5	2	10.5	1	5.3	14	74	5	26
33	UDAIPUR	44	14	31.8	4	9.1	1	2.3	16	36.4	4	9.1	5	11.4	19	43	25	57
Total		**918**	**248**	**27.0**	**80**	**8.7**	**44**	**4.8**	**290**	**31.6**	**114**	**12.4**	**141**	**15.4**	**372**	**41**	**545**	**59**

ANNEXURE II

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF STARRED QUESTION NO. *314 TO BE ANSWERED IN LOK SABHA ON 24.03.2022 REGARDING "DECLINE IN GROUND WATER LEVELS".

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 including 11 districts in Madhya Pradesh, 12 districts in Bihar, 35 districts in Uttar Pradesh, 29 districts in Rajasthan. 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.

Master Plan for Artificial Recharge to Groundwater- 2020 has been prepared by CGWB in consultation with States/UTs which 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). The "Master Plan for Artificial Recharge to Ground Water in India - 2020" is available at http://cgwb.gov.in/Master%20Plan%20to%20GW%20Recharge%202020.pdf.

Further, in Madhya Pradesh, the Master Plan envisages construction of about 7.2 lakh Rain water harvesting and artificial recharge structures to harness 9188 Million Cubic Metre (MCM) of monsoon rainfall. Similarly the Master Plan recommends 91 thousand structures for harvesting 66352 MCM of rainfall in Bihar, 23 thousand structures for harvesting 2743 MCM of rainfall in Uttar Pradesh, 7.7 lakh structures for harvesting 5305 MCM of rainfall in Rajasthan,.

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. So far, in Madhya Pradesh, 162147 Sq.Km., in Bihar 50707 Sq.Km., in Uttara Pradesh, 190895 Sq. Km. and in Rajasthan, 287851 Sq.Km. areas have been covered.

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.

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 80 water stressed districts and 8,565 Gram Panchayats of seven States viz. Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh. The scheme includes innovative recharge structures including rain water harvesting structures.

Central Ground Water Board (CGWB) has taken up Heli-borne survey for generation of aquifer related information (at a finer scale) and its management in around 1.04 Lakh Sq KM, Arid/Semi-Arid areas of Rajasthan, Gujarat and Haryana.

****

ANNEXURE III

ANNEXURE REFERRED TO IN REPLY TO PARTS (c) & (d) OF STARRED QUESTION NO. *314 TO BE ANSWERED IN LOK SABHA ON 24.03.2022 REGARDING "DECLINE IN GROUND WATER LEVELS".

Year-wise expenditure on water related works under MGNREGA (Rs in Lakhs) as on 10.03.2022**

S No.	State	2019-2020				2020-2021				2021-2022 (as on 10.03.2022)			
		Water Conservation and Water Harvesting				Water Conservation and Water Harvesting				Water Conservation and Water Harvesting			
		Completed		Ongoing		Completed		Ongoing		Completed		Ongoing	
		Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
1	BIHAR	5219	17643.46	44037	4228.58	20771	32640.04	80861	16163.52	35681	17615.45	58037	23892.88
2	MADHYA PRADESH	21841	135632.13	70497	17229.75	66081	264746.26	113345	84074.61	74933	126994.14	145920	187915.2
3	RAJASTHAN	10240	88408.21	46595	77442.31	13113	116646.12	72795	216889.58	13477	11114.69	84145	312726.35
4	UTTAR PRADESH	22939	50836.08	60218	23384.98	36308	68835.36	92557	73612.97	20626	6399.54	108345	52016.86

** The information is as per NGNREGA website of Ministry of Rural Development.

Year-wise expenditure on water related works under WCD-PMKSY (Rs in crore) as on 07.03.2022

S. No.	State	2019-20	2020-21	2021-22 (as on 07.03.2022)
		Funds released	Funds released	Funds Released
1.	Bihar	88.367	-	16.01260
2.	Madhya Pradesh	221.278	84.900	40.81020
3.	Rajasthan	119.430	449.896	69.66380
4.	Uttar Pradesh	-	-	21.77670

****