

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

UNSTARRED QUESTION NO. 1602

ANSWERED ON 15.12.2022

SURVEY OF LOW GROUND WATER AREAS

1602 SHRI DHARMENDRA KASHYAP

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

- (a) whether any survey has been conducted in the low ground water areas in the country for the conservation of ground water;
- (b) if so, the number of districts in Uttar Pradesh, where the ground water level is found below average level; and
- (c) the efforts being made by the Government to resolve the problem related to ground water?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Central Ground Water Board (CGWB) regularly conducts dynamic groundwater resource assessment of the country, including low groundwater areas, in collaboration with States. The last groundwater assessment in this regard was made in 2022. Further, CGWB periodically monitors ground water levels throughout the country through a network of monitoring wells.

(b) As per the 2022 assessment, out of the total 836 assessment units (826 Blocks & 10 Cities) in Uttar Pradesh, 63 Blocks (around 7.5%) falling in 27 districts have been categorized as 'over-exploited' where the annual extraction is more than the available annual resource.

The groundwater level data (as on Nov 2021) of Uttar Pradesh, when compared with the decadal average (Nov 2011 to Nov 2020), shows rise in groundwater level in around 74 percent wells. Further, fall in groundwater levels from the decadal average was observed in 17 districts, namely Agra, Aligarh, Budaun, Bulandshahar, Etah, Fatehpur, Firozabad, Gautam Budh Nagar, Ghaziabad, Jyotibha Phule Nagar, Kannauj, Mahoba, Mahrajganj, Mainpuri, Meerut, Moradabad and Rampur in more than 50 % of total monitoring wells. Details of 69 districts (Prior to bifurcation of some of the districts) which cover the entire UP are given at **Annexure**.

(c) Water being the State subject, the efforts to improve the groundwater scenario including effective rainwater harvesting etc come under States' mandate, however, Central Government has

taken a number of important measures in this regard in the country, which can be seen at http://jalshakti-dowr.gov.in/sites/default/files/Steps%20taken%20by%20the%20Central%20Govt%20for%20water_depletion_july2022.pdf

Further, Central Government works in close collaboration with States/UTs through various initiatives/schemes like Jal Shakti Abhiyan (JSA), Atal Bhujal Yojana, MGNREGA, PMKSY-Watershed development etc to supplement the efforts of States/UTs for sustainable management of groundwater. The JSA was launched in 2019 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. The JSA has continued during 2021 and 2022 which were launched by the Hon'ble Prime Minister and Hon'ble President of India respectively.

Further, 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.

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 etc.

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 1602 TO BE ANSWERED IN LOK SABHA ON 15.12.2022 REGARDING “SURVEY OF LOW GROUND WATER AREAS”.

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
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	SIDDHARTH NAGAR	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
