

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

RAJYA SABHA
UNSTARRED QUESTION NO. 737

ANSWERED ON 29.07.2024

QUANTUM OF GROUNDWATER IN RAJASTHAN

737#. SHRI RAJENDRA GEHLOT

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

- (a) the details of the total quantum of groundwater and the quantum of water that can be utilized for drinking purpose in the State of Rajasthan, District-wise ;
- (b) the details of the locations in Rajasthan where piezometers/automatic water level recorders have been installed, District-wise ; and
- (c) the number of Districts in Rajasthan where the work of surface water source and groundwater source-based schemes for providing tap water under the Jal Jeevan Mission has been completed and the quantum of work which is remaining and the details thereof, District-wise?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

- (a) The Dynamic Ground Water Resources of the country are being assessed every year from 2022 jointly by Central Ground Water Board (CGWB) and State Governments. As per the 2023 assessment, the Annual Extractable Ground Water Resource for the State of Rajasthan is 11.25 BCM. This resource can be used for various purposes, including irrigation, industrial, and domestic uses. The district wise details Ground Water Resources of Rajasthan are given in **Annexure-I**.
- (b) District-wise details of piezometers installed in Rajasthan by CGWB, Atal Bhujal Yojana and under National Hydrology Project is provided at **Annexure –II**.
- (c) District-wise details of surface water source and groundwater source-based schemes for providing tap water under the Jal Jeevan Mission are provided in **Annexure –III & IV** respectively.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

District wise* Ground Water Resources of Rajasthan (in Ham) as on 31.03.2023

S. No.	Name of District	Total Annual Ground Water Recharge	Annual Extractable Ground Water Resource	Current Annual Ground Water Extraction			Total	Stage of Ground Water Extraction (%)
				Irrigation	Industrial	Domestic		
1	AJMER	37959.01	34163.11	47462.83	176	1184.34	48823.19	142.91
2	ALWAR	79675.78	71708.2	113255.21	3413.35	14469.75	131138.28	182.88
3	BANSWARA	23168.41	20851.56	11598.17	4.02	2417.18	14019.38	67.23
4	BARAN	64982.4	58927.68	67411.74	102.57	8364.65	75878.95	128.77
5	BARMER	38354.2	34518.77	37805.31	438	7406.28	45649.61	132.25
6	BHARATPUR	39669.18	36266.73	37331.9	71.85	6391.83	43795.62	120.76
7	BHILWARA	45109.39	40614.58	60213.29	735.87	5372.48	66321.65	163.3
8	BIKANER	30882.57	27870.51	28462.85	71	9705.94	38239.79	137.21
9	BUNDI	33065.9	30422.15	27292.16	66	3723.39	31081.54	102.17
10	CHITTAURGARH	34553.28	31097.97	46512.33	107.23	2028.21	48647.78	156.43
11	CHURU	15993.73	14789.51	15419.69	4.76	3185.95	18610.4	125.84
12	DAUSA	27927.45	25134.69	47521.68	3.19	11095.15	58620.01	233.22
13	DHAULPUR	27509.55	25039.51	29417.68	15.73	4615.56	34048.97	135.98
14	DUNGARPUR	22466.42	20241.59	11227.75	1.11	885.25	12114.12	59.85
15	SRI GANGANAGAR	47966.76	43170.1	16989.18	39	38.57	17066.75	39.53
16	HANUMANGARH	22490.26	20241.22	11247.76	200	914.9	12362.66	61.08
17	JAIPUR	72587.12	65328.4	107004.97	1662.63	38927.03	147594.63	225.93
18	JAISALMER	10547.77	9492.99	30418.32	5.84	3941.1	34365.26	362.01
19	JALOR	47948.84	43781.98	75036.44	2.58	4408.2	79447.23	181.46
20	JHALAWAR	55627.73	50295.4	54683.43	0.41	3956.82	58640.65	116.59
21	JHUNJHUNUN	24551.09	22095.98	35396.64	564.16	11912.02	47872.82	216.66
22	JODHPUR	40205.29	36733.61	78476.56	677.58	15154.96	94309.12	256.74
23	KARALI	33817.6	30563.02	43466.39	0.07	4836.85	48303.32	158.04
24	KOTA	51575.18	46417.67	40190.84	180.93	8572.76	48944.54	105.44
25	NAGOUR	62676.39	56643.77	88158.52	1147.65	13604.42	102910.61	181.68
26	PALI	32150.48	28935.41	41633.64	17.58	4366.05	46017.27	159.03
27	PRATAPGARH	22764.24	20488.37	25665.32	19	643.83	26328.16	128.5
28	RAJSAMAND	11585.02	10426.48	10057.26	391.64	2416.81	12865.72	123.39
29	SAWAI MADHOPUR	44228.05	39805.24	56358.79	0.22	7836.38	64195.43	161.27
30	SIKAR	36899.45	33209.52	51368.58	221.34	12208.95	63798.89	192.11
31	SIROHI	29777.35	26799.63	29160.36	340.77	1840.64	31341.77	116.95
32	TONK	44229.07	40031.53	29959.39	36	10828.93	40824.35	101.98
33	UDAIPUR	32254	29028.56	24219.28	2059.79	3449.6	29728.67	102.41
	Total	1245198.96	1125135.44	1430424.28	12777.86	230704.7	1673907.14	148.77

*As per the pre-reorganization districts list

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

District-wise details of piezometers installed in Rajasthan by CGWB, Atal**

BhujalYojana and under National Hydrology Project

S. No.	District	Total No. of Piezometers	Total No .of AWLR
1	Ajmer	87	5
2	Alwar	96	11
3	Banswara	36	7
4	Baran	47	3
5	Barmer	85	3
6	Bharatpur	40	9
7	Bhilwara	66	5
8	Bikaner	47	4
9	Bundi	28	2
10	Chittorgarh	49	6
11	Churu	35	1
12	Dausa	126	5
13	Dholpur	86	5
14	Dungarpur	20	7
15	Hanumangarh	112	0
16	Jaipur	171	16
17	Jaisalmer	101	2
18	Jalore	37	6
19	Jhalawar	34	3
20	Jhunjhunu	92	2
21	Jodhpur	90	10
22	Karauli	82	1
23	Kota	28	1
24	Nagaur	54	7
25	Pali	20	4
26	Pratapgarh	11	2
27	Rajsamand	41	2
28	SawaiMadhopur	80	2
29	Sikar	131	7
30	Sirohi	4	4
31	Sri Ganganagar	37	0
32	Tonk	29	1
33	Udaipur	25	7
	Total	2027	150

***As per pre-reorganization districts list**

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

Status of Ground Water Based Schemes under Jal Jeevan Mission as on 25.07.2024				
S.No.	Districts	House Connections Planned	House connections provided	Remaining Households
1	Ajmer	831	831	-
2	Alwar	2,23,341	78,871	1,44,470
3	Anupgarh	-	-	-
4	Balotra	9,298	8,830	468
5	Banswara	59,828	35,587	24,241
6	Baran	46,826	31,705	15,121
7	Barmer	83	43	40
8	Beawar	26,946	19,179	7,767
9	Bharatpur	1,85,468	1,04,255	81,213
10	Bhilwara	11,459	8,808	2,651
11	Bikaner	16,550	13,112	3,438
12	Bundi	22,615	16,863	5,752
13	Chittorgarh	17,943	17,943	-
14	Churu	18,745	13,556	5,189
15	Dausa	1,05,500	87,558	17,942
16	Deeg	56,722	25,557	31,165
17	Dholpur	1,21,623	52,872	68,751
18	Didwana-Kuchaman	17,618	10,746	6,872
19	Dudu	7,665	7,665	-
20	Dungarpur	77,712	22,951	54,761
21	Sri Ganganagar	653	261	392
22	Gangapurcity	1,12,653	56,063	56,590
23	Hanumangarh	1,533	1,083	450
24	Jaipur(Gramin)	1,78,566	72,252	1,06,314
25	Jaisalmer	705	705	-
26	Jalore	7,933	7,747	186
27	Jhalawar	17,102	12,466	4,636
28	Jhunjhunu	52,513	39,942	12,571
29	Jodhpur(Gramin)	1,456	1,456	-
30	Karauli	1,45,455	64,644	80,811
31	Kekri	4,241	3,318	923
32	Khairthal-Tijara	1,17,486	49,618	67,868
33	Kota	19,251	15,965	3,286
34	Kotputli-Behror	1,58,939	58,537	1,00,402
35	Nagaur	51	-	51
36	NeemKaThana	56,856	41,330	15,526
37	Pali	22,744	15,399	7,345
38	Phalodi	928	928	-
39	Pratapgarh	52,952	34,195	18,757
40	Rajsamand	44,998	31,826	13,172
41	Salumbar	63,425	29,053	34,372
42	Sanchore	937	514	423
43	SawaiMadhopur	73,918	53,333	20,585
44	Shahpura	12,452	6,863	5,589
45	Sikar	56,355	49,614	6,741
46	Sirohi	1,11,758	48,062	63,696
47	Tonk	22,129	16,424	5,705
48	Udaipur	3,07,171	79,248	2,27,923
	Grand Total	26,71,933	13,49,276	13,22,657

ANNEXURE-IV

ANNEXURE REFERRED TO IN REPLY TO PART (C) OF UNSTARRED QUESTION NO. 737 TO BE ANSWERED IN RAJYA SABHA ON 29.07.2024 REGARDING “QUANTUM OF GROUNDWATER IN RAJASTHAN”.

Status of Surface Water Based Schemes under Jal Jeevan Mission as on 25.07.2024				
S.No.	Districts	House Connections Planned	House connections provided	Remaining Households
1	Ajmer	1,07,794	50,531	57,263
2	Alwar	1,151	664	487
3	Anupgarh	97,288	69,685	27,603
4	Balotra	1,26,381	78,278	48,103
5	Banswara	2,55,818	30,247	2,25,571
6	Baran	47,617	32,221	15,396
7	Barmer	1,68,476	36,079	1,32,397
8	Beawar	72,818	55,955	16,863
9	Bharatpur	4,726	740	3,986
10	Bhilwara	1,62,019	97,002	65,017
11	Bikaner	2,33,539	94,718	1,38,821
12	Bundi	91,162	20,121	71,041
13	Chittorgarh	2,16,389	448	2,15,941
14	Churu	1,72,618	1,18,981	53,637
15	Dausa	1,35,844	501	1,35,343
16	Deeg	1,42,525	-	1,42,525
17	Dholpur	65,042	9,566	55,476
18	Didwana-Kuchaman	96,163	75,275	20,888
19	Dudu	43,450	32,525	10,925
20	Dungarpur	1,69,475	32,892	1,36,583
21	Sri Ganganagar	1,06,130	85,766	20,364
22	Gangapurcity	39,577	47	39,530
23	Hanumangarh	2,61,355	1,24,268	1,37,087
24	Jaipur(Gramin)	96,634	67,467	29,167
25	Jaisalmer	93,828	36,455	57,373
26	Jalore	889	339	550
27	Jhalawar	1,74,657	1,36,777	37,880
28	Jhunjhunu	85,880	22,673	63,207
29	Jodhpur	2,658	-	2,658
30	Jodhpur(Gramin)	3,16,970	1,28,195	1,88,775
31	Kekri	1,18,325	26,529	91,796
32	Khairthal-Tijara	1,568	325	1,243
33	Kota	98,948	43,212	55,736
34	Kotputli-Behror	1,381	42	1,339
35	Nagaur	2,01,063	88,494	1,12,569
36	NeemKaThana	67,019	31,313	35,706
37	Pali	1,56,403	1,03,390	53,013
38	Phalodi	80,103	25,513	54,590
39	Pratapgarh	70,709	3,782	66,927
40	Rajsamand	67,030	2,034	64,996
41	Salumbar	16,546	2,681	13,865
42	Sanchore	2,65,252	63,114	2,02,138
43	SawaiMadhopur	37,052	2,831	34,221
44	Shahpura	1,35,273	1,25,594	9,679
45	Sikar	2,53,279	14,577	2,38,702
46	Sirohi	43,791	-	43,791
47	Tonk	1,85,969	80,573	1,05,396
48	Udaipur	1,13,431	731	1,12,700
	Grand Total	55,02,015	20,53,151	34,48,864
