

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

RAJYA SABHA

UNSTARRED QUESTION NO. 1691

ANSWERED ON 18.12.2023

SURVEY OF GROUNDWATER IN THE STATE OF MADHYA PRADESH

1691#. DR. SUMER SINGH SOLANKI

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

- (a) whether Government has got a survey of groundwater conducted by the GroundWater Survey and Development Agency in Madhya Pradesh, if so, the district-wise details thereof; and
- (b) if not, whether there is any such plan for the future?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) The Dynamic Ground Water Resources of the country are being periodically assessed (annually since 2022) jointly by Central Ground Water Board (CGWB) and the respective State Nodal/Ground Water Department including for the state of Madhya Pradesh. As per the Ground Water Resource Assessment-2023 (latest), the total annual extractable ground water resource for the State of Madhya Pradesh has been assessed as 32.85 BCM. The annual groundwater extraction for all uses is 19.3 BCM. The overall Stage of groundwater Extraction (SOE), which is the ratio of total annual ground water extracted to the total annual extractable ground water, for the State as a whole works out to be about 58.75 %. The district wise assessment of Dynamic Ground Water Resource for the State of Madhya Pradesh (as of 2023) is presented in **Annexure**.

In addition to the above, CGWB periodically monitors groundwater levels throughout the country on a regional scale, through its network of monitoring wells which are spread throughout the country including in the state of Madhya Pradesh. As per the ground water level monitoring done during November 2022 for Madhya Pradesh, out of the 1259 wells measured, 93.16% wells had depth to water level (measured in terms of mbgl – meters below ground level) in the range of 0-10 meters.

(b) Not applicable in view of (a) above.

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 1691 TO BE ANSWERED IN RAJYA SABHA ON 18.12.2023 REGARDING "SURVEY OF GROUNDWATER IN THE STATE OF MADHYA PRADESH".

DYNAMIC GROUND WATER RESOURCES OF MADHYA PRADESH, 2023 (in HAM)

S.NO	Name of District	Total Annual Ground Water Recharge	Annual Extractable Ground Water Resource	Total Annual Ground Water Extraction
1	AGAR MALWA	43548.8	40403.21	36336.96
2	ALIRAJPUR	21490.07	19930.2	8633.15
3	ANUPPUR	28826.36	26993.74	6349.33
4	ASHOKNAGAR	39493.05	36824.34	23207.03
5	BALAGHAT	77153.99	71949.04	16909.36
6	BARWANI	55841.78	52036.18	37143.14
7	BETUL	104898.72	97750.31	48528.3
8	BHIND	98040.22	89953.59	29373.62
9	BHOPAL	40750.43	37948.75	29712.91
10	BURHANPUR	36681.41	33962.85	23704.63
11	CHHATARPUR	86761.39	80899.76	52923.58
12	CHHINDWARA	104808.74	97605.19	61722.98
13	DAMOH	39378.78	36576.17	21388.93
14	DATIA	43075.86	40122.32	14464.77
15	DEWAS	86549.72	80944.58	64753.63
16	DHAR	138460.44	127766.67	83557.97
17	DINDORI	35008.2	33257.8	4164.57
18	GUNA	81681.71	77314.59	50219.89
19	GWALIOR	82244.87	75773.72	23807.29
20	HARDA	46956.92	43947.6	15665.19
21	HOSHANGABAD	179273.66	163696.36	42335.23
22	INDORE	58749.02	53436.36	63792.93
23	JABALPUR	66729.2	61296.83	31449.17
24	JHABUA	26083.34	24280.48	10876.28
25	KATNI	40925.41	38029.19	17917.68
26	KHANDWA	113892.37	105196.25	43636.4
27	KHARGONE	97502.54	92147.84	42322.26
28	MANDLA	49234.12	46772.43	9546.28
29	MANDSAUR	69895.39	63181.48	66067.55
30	MORENA	69811.31	64615.54	25930.52
31	NARSINGHPUR	123928.4	112762.33	75495.2
32	NEEMUCH	40165.14	36148.63	35871.88
33	NIWARI	19643.67	18120.11	12656.29
34	PANNA	54661.53	50601.49	18459.75
35	RAISEN	93397.9	86813.92	46593.92
36	RAJGARH	91863.24	86524.22	77683.72
37	RATLAM	85016.42	76902.67	103925.81
38	REWA	54582.07	49820.96	27226.55
39	SAGAR	110798.9	102371.34	60695.66
40	SATNA	74470.57	69018.27	45269.69
41	SEHORE	73967.94	67494.59	41699.87
42	SEONI	72428.5	68393.52	28298.24
43	SHAHDOL	55970.79	53172.26	7105.33
44	SHAJAPUR	55704.05	51468.21	55019.46
45	SHEOPUR	55831.52	50674.57	19493.95
46	SHIVPURI	85427.78	78319.96	53000.39
47	SIDHI	31369.7	29212.27	10549.05
48	SINGRAULI	37323.32	35457.15	13856.77
49	TIKAMGARH	39943.53	36428.83	29808.19
50	UJJAIN	99698.18	91373.06	99439.27
51	UMARIA	36573.58	34239.35	6406.36
52	VIDISHA	90893.85	85443.85	55029.63
	Total(Ham)	3547408.4	3285374.93	1930026.51
	Total(Bcm)	35.47	32.85	19.3
