

GOVERNMENT OF INDIA  
MINISTRY OF JAL SHAKTI,  
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. †619**  
ANSWERED ON 22.07.2021

**GROUND WATER TABLE IN BIHAR**

†619.      SHRIMATI RAMA DEVI

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the status of ground water table in Bihar during the last three years;
- (b) whether the Union Government provides any financial or technological assistance to the State Governments to check the depleting ground water table; and
- (c) the various serious conditions likely to arise due to depleting water table in Bihar in future?

**ANSWER**

THE MINISTER OF STATE FOR JAL SHAKTI AND TRIBAL AFFAIRS

(SHRI BISHWESWAR TUDU)

(a) Central Ground Water Board monitors the ground water level in the entire country including the State of Bihar on a regional scale at periodical intervals. The District-wise status of ground water table in Bihar during the last three years 2018-2020 are given as **Anneuxre**. The perusal of the water level data during November indicates depths to water levels in monitored wells are within 15 mbgl.

(b) Water being a State subject, initiatives on water management including conservation and water harvesting is primarily States' responsibility. However, the important measures taken by the Central Government for conservation, management of ground water and effective implementation of rain water harvesting in the country are available at the following URL:

[http://jalshakti-dowr.gov.in/sites/default/files/Steps\\_to\\_control\\_water\\_depletion\\_Feb2021.pdf](http://jalshakti-dowr.gov.in/sites/default/files/Steps_to_control_water_depletion_Feb2021.pdf).

In addition, a number of States have done notable work in the field of water conservation/harvesting. Of these, mention can be made of '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 among others.

Central Ground Water Board (CGWB) is implementing National Aquifer Mapping and Management program (NAQUIM), which envisages mapping of aquifers (water bearing formations), their characterization and development of Aquifer Management Plans to facilitate sustainable management of Ground Water Resources. The State-wise information is shared with States/Uts for implementation.

Central Ground Water Board (CGWB) has prepared a Manual on Artificial Recharge to Groundwater which presents various techniques on artificial recharge and rainwater harvesting for rural as well as urban areas. Further, CGWB has also prepared a “Master Plan for Artificial Recharge to Ground Water, 2020”, which envisages construction of different types of artificial recharge structures in the Country in both rural and urban areas.

As far as financial assistance is concerned Central Government supports construction of water harvesting and conservation works primarily through Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS), Pradhan Mantri Krishi Sinchayee Yojana – Watershed Development Component (PMKSY-WDC).

(c) As per the Dynamic Ground Water Resources carried out jointly by Central Ground Water Board and State Ground Water Department for the year 2020, there are only 07 Over exploited Blocks, 05 Critical Blocks in Bihar which constitutes about 02% of the total number of blocks assessed in the State and thus, serious groundwater conditions may not be contemplated in near future.

Further, Bihar is implementing Jal Jeevan Haryali Scheme for sustainable management of water resources under which restoration of Ahar-pyne structures, renovation of old water bodies and plantation etc. are being taken up.

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Annexure referred to in reply to part (a) of Unstarred Question No.†619 to be answered in Lok Sabha on 22.07.2021 regarding “Ground water Table in Bihar”.

**District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2018, 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											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	ARARIA	7	1.68	3.30	2	28.6	5	71.4	0	0.0	0	0.0	0	0.0	0	0.0
2	AURANGABAD	16	1.43	10.86	4	25.0	6	37.5	4	25.0	2	12.5	0	0.0	0	0.0
3	BANKA	14	1.59	7.72	2	14.3	8	57.1	4	28.6	0	0.0	0	0.0	0	0.0
4	BEGUSARAI	21	3.79	9.30	0	0.0	9	42.9	12	57.1	0	0.0	0	0.0	0	0.0
5	BHAGALPUR	13	1.56	12.26	2	15.4	7	53.8	2	15.4	2	15.4	0	0.0	0	0.0
6	BHOJPUR	37	1.55	6.91	2	5.4	19	51.4	16	43.2	0	0.0	0	0.0	0	0.0
7	BUXAR	24	1.00	6.38	2	8.3	15	62.5	7	29.2	0	0.0	0	0.0	0	0.0
8	DARBHANGA	8	1.72	8.11	1	12.5	4	50.0	3	37.5	0	0.0	0	0.0	0	0.0
9	GAYA	20	2.23	9.33	0	0.0	8	40.0	12	60.0	0	0.0	0	0.0	0	0.0
10	GOPALGANJ	22	1.09	6.38	3	13.6	18	81.8	1	4.5	0	0.0	0	0.0	0	0.0
11	JAMUI	18	1.57	13.50	1	5.6	9	50.0	3	16.7	5	27.8	0	0.0	0	0.0
12	JEHANABAD	18	2.15	9.21	0	0.0	11	61.1	7	38.9	0	0.0	0	0.0	0	0.0
13	KAIMUR	10	2.70	10.26	0	0.0	4	40.0	5	50.0	1	10.0	0	0.0	0	0.0
14	KATIHAR	15	2.52	5.84	0	0.0	14	93.3	1	6.7	0	0.0	0	0.0	0	0.0
15	KHAGARIA	13	1.29	5.41	1	7.7	10	76.9	2	15.4	0	0.0	0	0.0	0	0.0
16	KISHANGANJ	8	1.76	8.60	1	12.5	6	75.0	1	12.5	0	0.0	0	0.0	0	0.0
17	LAKHISARAI	8	2.06	9.11	0	0.0	6	75.0	2	25.0	0	0.0	0	0.0	0	0.0
18	MADHEPURA	17	1.04	5.32	2	11.8	14	82.4	1	5.9	0	0.0	0	0.0	0	0.0
19	MADHUBANI	22	0.64	5.85	12	54.5	9	40.9	1	4.5	0	0.0	0	0.0	0	0.0
20	MUNGER	10	1.33	7.85	1	10.0	8	80.0	1	10.0	0	0.0	0	0.0	0	0.0
21	MUZAFFARPUR	26	1.10	10.40	1	3.8	12	46.2	12	46.2	1	3.8	0	0.0	0	0.0
22	NALANDA	33	1.27	11.28	2	6.1	17	51.5	11	33.3	3	9.1	0	0.0	0	0.0
23	NAWADA	16	1.88	8.49	2	12.5	7	43.8	7	43.8	0	0.0	0	0.0	0	0.0
24	PASHCHIM CHAMPARAN	15	1.07	8.80	1	6.7	13	86.7	1	6.7	0	0.0	0	0.0	0	0.0
25	PATNA	29	1.62	11.47	6	20.7	11	37.9	10	34.5	2	6.9	0	0.0	0	0.0
26	PURBA CHAMPARAN	32	1.01	7.09	2	6.3	25	78.1	5	15.6	0	0.0	0	0.0	0	0.0
27	PURNIA	17	2.24	4.53	0	0.0	17	100.0	0	0.0	0	0.0	0	0.0	0	0.0
28	ROHTAS	20	1.25	9.45	6	30.0	10	50.0	4	20.0	0	0.0	0	0.0	0	0.0
29	SAHARSA	18	1.61	4.71	3	16.7	15	83.3	0	0.0	0	0.0	0	0.0	0	0.0
30	SAMASTIPUR	18	2.80	10.70	0	0.0	3	16.7	14	77.8	1	5.6	0	0.0	0	0.0
31	SARAN	28	0.75	8.96	1	3.6	11	39.3	16	57.1	0	0.0	0	0.0	0	0.0
32	SEIKHPURA	7	2.22	8.91	0	0.0	4	57.1	3	42.9	0	0.0	0	0.0	0	0.0
33	SHEOHAR	2	1.84	2.39	1	50.0	1	50.0	0	0.0	0	0.0	0	0.0	0	0.0
34	SITAMARHI	16	1.25	3.62	7	43.8	9	56.3	0	0.0	0	0.0	0	0.0	0	0.0
35	SIWAN	18	3.14	12.00	0	0.0	12	66.7	5	27.8	1	5.6	0	0.0	0	0.0
36	SUPAUL	21	1.18	4.76	9	42.9	12	57.1	0	0.0	0	0.0	0	0.0	0	0.0
37	VAISHALI	17	2.69	10.53	0	0.0	6	35.3	10	58.8	1	5.9	0	0.0	0	0.0
	<b>Total</b>	<b>654</b>	<b>0.64</b>	<b>13.50</b>	<b>77</b>	<b>11.8</b>	<b>375</b>	<b>57.3</b>	<b>183</b>	<b>28.0</b>	<b>19</b>	<b>2.9</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

**District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of  
November,2019, 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	1.80	3.36	3	37.5	5	62.5	0	0.0	0	0.0	0	0.0	0	0.0
2	AURANGABAD	16	0.13	14.00	5	31.3	8	50.0	2	12.5	1	6.3	0	0.0	0	0.0
3	BANKA	11	1.00	3.30	3	27.3	8	72.7	0	0.0	0	0.0	0	0.0	0	0.0
4	BEGUSARAI	25	1.47	5.50	4	16.0	16	64.0	5	20.0	0	0.0	0	0.0	0	0.0
5	BHAGALPUR	11	1.10	9.80	2	18.2	8	72.7	1	9.1	0	0.0	0	0.0	0	0.0
6	BHOJPUR	34	0.72	7.20	5	14.7	15	44.1	14	41.2	0	0.0	0	0.0	0	0.0
7	BUXAR	21	1.30	8.37	3	14.3	9	42.9	9	42.9	0	0.0	0	0.0	0	0.0
8	DARBHANGA	10	0.85	4.63	4	40.0	6	60.0	0	0.0	0	0.0	0	0.0	0	0.0
9	GAYA	20	0.88	8.84	5	25.0	8	40.0	7	35.0	0	0.0	0	0.0	0	0.0
10	GOPALGANJ	20	0.45	2.68	15	75.0	5	25.0	0	0.0	0	0.0	0	0.0	0	0.0
11	JAMUI	14	1.25	11.80	3	21.4	6	42.9	4	28.6	1	7.1	0	0.0	0	0.0
12	JEHANABAD	16	1.15	5.70	5	31.3	10	62.5	1	6.3	0	0.0	0	0.0	0	0.0
13	KAIMUR	12	1.30	8.04	2	16.7	8	66.7	2	16.7	0	0.0	0	0.0	0	0.0
14	KATIHAR	15	1.72	4.64	1	6.7	14	93.3	0	0.0	0	0.0	0	0.0	0	0.0
15	KHAGARIA	15	1.28	4.56	5	33.3	10	66.7	0	0.0	0	0.0	0	0.0	0	0.0
16	KISHANGANJ	9	1.47	8.32	3	33.3	5	55.6	1	11.1	0	0.0	0	0.0	0	0.0
17	LAKHISARAI	8	2.10	9.50	0	0.0	6	75.0	2	25.0	0	0.0	0	0.0	0	0.0
18	MADHEPURA	15	1.48	3.87	3	20.0	12	80.0	0	0.0	0	0.0	0	0.0	0	0.0
19	MADHUBANI	23	0.60	4.53	10	43.5	13	56.5	0	0.0	0	0.0	0	0.0	0	0.0
20	MUNGER	10	1.15	6.35	3	30.0	6	60.0	1	10.0	0	0.0	0	0.0	0	0.0
21	MUZAFFARPUR	22	0.40	5.92	6	27.3	11	50.0	5	22.7	0	0.0	0	0.0	0	0.0
22	NALANDA	39	0.86	12.75	9	23.1	17	43.6	12	30.8	1	2.6	0	0.0	0	0.0
23	NAWADA	14	0.88	8.61	2	14.3	6	42.9	6	42.9	0	0.0	0	0.0	0	0.0
24	PASHCHIM CHAMPARAN	12	1.62	3.70	1	8.3	11	91.7	0	0.0	0	0.0	0	0.0	0	0.0
25	PATNA	31	0.38	10.40	14	45.2	11	35.5	5	16.1	1	3.2	0	0.0	0	0.0
26	PURBA CHAMPARAN	25	0.59	6.27	12	48.0	12	48.0	1	4.0	0	0.0	0	0.0	0	0.0
27	PURNIA	17	1.80	4.06	1	5.9	16	94.1	0	0.0	0	0.0	0	0.0	0	0.0
28	ROHTAS	16	0.02	10.45	3	18.8	7	43.8	5	31.3	1	6.3	0	0.0	0	0.0
29	SAHARSA	15	0.93	3.32	7	46.7	8	53.3	0	0.0	0	0.0	0	0.0	0	0.0
30	SAMASTIPUR	21	0.70	9.45	1	4.8	9	42.9	11	52.4	0	0.0	0	0.0	0	0.0
31	SARAN	26	0.36	5.29	11	42.3	14	53.8	1	3.8	0	0.0	0	0.0	0	0.0
32	SEIKHPURA	9	1.20	6.60	3	33.3	2	22.2	4	44.4	0	0.0	0	0.0	0	0.0
33	SHEOHAR	2	2.35	3.13	0	0.0	2	100.0	0	0.0	0	0.0	0	0.0	0	0.0
34	SITAMARHI	16	0.90	10.00	9	56.3	6	37.5	1	6.3	0	0.0	0	0.0	0	0.0
35	SIWAN	15	0.92	4.42	8	53.3	7	46.7	0	0.0	0	0.0	0	0.0	0	0.0
36	SUPAUL	20	0.38	4.59	10	50.0	10	50.0	0	0.0	0	0.0	0	0.0	0	0.0
37	VAISHALI	15	1.44	5.01	1	6.7	13	86.7	1	6.7	0	0.0	0	0.0	0	0.0
	<b>Total</b>	<b>628</b>	<b>0.02</b>	<b>14.00</b>	<b>182</b>	<b>29.0</b>	<b>340</b>	<b>54.1</b>	<b>101</b>	<b>16.1</b>	<b>5</b>	<b>0.8</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>

## District-wise Depth to water Level and Distribution of Percentage of Wells for the Period of November, 2020, 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											
			Min	Max	0-2		2-5		5-10		10-20		20-40		> 40	
					No	%	No	%	No	%	No	%	No	%	No	%
1	ARARIA	8	2.92	4.98	0	0.0	8	100.0	0	0.0	0	0.0	0	0.0	0	0.0
2	AURANGABAD	16	1.72	14.00	1	6.3	8	50.0	4	25.0	3	18.8	0	0.0	0	0.0
3	BANKA	12	2.75	6.95	0	0.0	10	83.3	2	16.7	0	0.0	0	0.0	0	0.0
4	BEGUSARAI	26	1.58	6.13	2	7.7	21	80.8	3	11.5	0	0.0	0	0.0	0	0.0
5	BHAGALPUR	11	1.97	12.20	1	9.1	7	63.6	1	9.1	2	18.2	0	0.0	0	0.0
6	DARBHANGA	10	0.25	2.57	8	80.0	2	20.0	0	0.0	0	0.0	0	0.0	0	0.0
7	GAYA	18	1.83	6.65	2	11.1	12	66.7	4	22.2	0	0.0	0	0.0	0	0.0
8	GOPALGANJ	20	0.80	15.00	6	30.0	13	65.0	0	0.0	1	5.0	0	0.0	0	0.0
9	JAMUI	15	2.27	14.50	0	0.0	7	46.7	6	40.0	2	13.3	0	0.0	0	0.0
10	JEHANABAD	16	2.04	7.17	0	0.0	12	75.0	4	25.0	0	0.0	0	0.0	0	0.0
11	KATI HAR	11	3.23	4.70	0	0.0	11	100.0	0	0.0	0	0.0	0	0.0	0	0.0
12	KHAGARIA	15	1.18	5.40	4	26.7	9	60.0	2	13.3	0	0.0	0	0.0	0	0.0
13	KISHANGANJ	8	2.62	9.62	0	0.0	7	87.5	1	12.5	0	0.0	0	0.0	0	0.0
14	LAKHISARAI	9	2.10	9.42	0	0.0	5	55.6	4	44.4	0	0.0	0	0.0	0	0.0
15	MADHEPURA	17	1.75	4.05	2	11.8	15	88.2	0	0.0	0	0.0	0	0.0	0	0.0
16	MADHUBANI	26	0.55	3.52	16	61.5	10	38.5	0	0.0	0	0.0	0	0.0	0	0.0
17	MUNGER	10	2.64	7.37	0	0.0	7	70.0	3	30.0	0	0.0	0	0.0	0	0.0
18	MUZAFFARPUR	25	0.36	7.20	9	36.0	15	60.0	1	4.0	0	0.0	0	0.0	0	0.0
19	NALANDA	36	0.64	8.50	11	30.6	17	47.2	8	22.2	0	0.0	0	0.0	0	0.0
20	NAWADA	13	1.50	6.55	3	23.1	7	53.8	3	23.1	0	0.0	0	0.0	0	0.0
21	PASHCHIM CHAMPARAN	13	1.52	3.55	1	7.7	12	92.3	0	0.0	0	0.0	0	0.0	0	0.0
22	PATNA	15	1.82	11.47	3	20.0	7	46.7	3	20.0	2	13.3	0	0.0	0	0.0
23	PURBA CHAMPARAN	30	0.38	7.09	12	40.0	16	53.3	2	6.7	0	0.0	0	0.0	0	0.0
24	PURNIA	14	2.62	5.85	0	0.0	12	85.7	2	14.3	0	0.0	0	0.0	0	0.0
25	SAHARSA	18	1.24	3.84	5	27.8	13	72.2	0	0.0	0	0.0	0	0.0	0	0.0
26	SAMASTIPUR	20	0.68	5.39	3	15.0	16	80.0	1	5.0	0	0.0	0	0.0	0	0.0
27	SARAN	27	0.64	4.60	9	33.3	18	66.7	0	0.0	0	0.0	0	0.0	0	0.0
28	SEIKHPURA	9	1.40	5.96	2	22.2	5	55.6	2	22.2	0	0.0	0	0.0	0	0.0
29	SHEOHAR	4	1.10	2.13	3	75.0	1	25.0	0	0.0	0	0.0	0	0.0	0	0.0
30	SITAMARHI	16	0.70	2.95	14	87.5	2	12.5	0	0.0	0	0.0	0	0.0	0	0.0
31	SIWAN	15	1.22	5.60	5	33.3	8	53.3	2	13.3	0	0.0	0	0.0	0	0.0
32	SUPAUL	21	1.14	4.38	4	19.0	17	81.0	0	0.0	0	0.0	0	0.0	0	0.0
33	VAISHALI	24	1.12	4.68	6	25.0	18	75.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Total</b>		<b>548</b>	<b>0.25</b>	<b>15.00</b>	<b>132</b>	24.1	<b>348</b>	63.5	<b>58</b>	10.6	<b>10</b>	1.8	<b>0</b>	0.0	<b>0</b>	0.0

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