

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

**UNSTARRED QUESTION NO. 421**

ANSWERED ON 06.02.2023

**GROUNDWATER DEPLETION ISSUE IN PUNJAB**

421. SHRI VIKRAMJIT SINGH SAHNEY

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

- (a) whether it is a fact that per capita availability of water had reduced from 5000 cubic metres to 1500 cubic metres in the country;
- (b) the details of the steps taken by Government to address this issue in last three years, year-wise and State-wise including Punjab;
- (c) the details of the amount of funds allocated and utilized by Government to address groundwater depletion issue of Punjab in the last three years, year-wise;
- (d) whether Government is planning to give additional funds to Government of Punjab to address depleting groundwater issue, if so, details thereof with timeline; and
- (e) if not, reasons therefor?

**ANSWER**

**THE MINISTER OF STATE FOR JAL SHAKTI**

(SHRI BISHWESWAR TUDU)

(a) Yes. The average annual water availability of any region or country is largely dependent upon hydro-meteorological and geological factors. However, water availability per person is dependent on population of the country and for India, per capita annual water availability in the country is reducing due to increase in population.

(b) Water being a State subject, steps for augmentation, conservation and efficient management of water resources are primarily undertaken by the respective State Governments. In order to supplement the efforts of the State Governments, Central Government provides technical and financial assistance to them through various schemes and programs.

Government of India, in partnership with State, is implementing Jal Jeevan Mission (JJM) to make provision of tap water supply to every rural household of the country by 2024. State/ UT-wise status of tap water connections in rural households is placed at **Annexure-I**.

Government of India has launched Atal Mission for Rejuvenation and Urban Transformation (AMRUT) which focuses on development of basic urban infrastructure especially water supply & access to tap connection to every household in 500 cities. State-wise number of water supply projects completed & Tap connection provided during last three years is attached as **Annexure-II**.

Taking it forward, AMRUT 2.0 covers all the statutory towns of the country to ensure universal coverage of water supply & make cities ‘water secure’. State-wise number of water supply projects approved under AMRUT 2.0 is attached as **Annexure-III**.

Jal Shakti Abhiyan-I was conducted in 2019 in 1592 blocks out of 2836 blocks in 256 water stressed districts of the country and was expanded as “Jal Shakti Abhiyan : Catch the Rain” (JSA:CTR) in 2021 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), including Punjab, across the country. The water related works/afforestation works completed under JSA:CTR and JSA:CTR 2022 are available at JSA:CTR portal (<https://jsactr.mowr.gov.in/>)

Atal Bhujal Yojana, a World Bank aided Central Sector Scheme of the Government of India with an outlay of Rs 6000 crore, is being implemented with a focus on community participation and demand side interventions for sustainable ground water management in identified water stressed areas. The scheme is being taken up in seven states, viz. Haryana, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan and Uttar Pradesh.

The Mission Amrit Sarovar was launched on National Panchayati Raj Day on 24<sup>th</sup> April, 2022 as a part of celebration of Azadi ka Amrit Mahotsav with an objective to conserve water for future. The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country.

**(c) to (e)** Under National Hydrology Project (NHP), a Central Sector Scheme, Grant in aid and technical support is being provided to the states for modernizing hydro met data acquisition, validation and dissemination system for timely and reliable information available to various stakeholders. Punjab is one of the Implementing Agency under National Hydrology Project and has an Project Implementation Plan (PIP) cost of Rs. 7890.50 lakh. out of which around Rs. 3000 lakh have been allocated for ground water level monitoring through construction of piezometers and installation of Digital Water Level recorders to transmit water levels on real time. The allocated funds are sufficient for executing the activities as per approved Implementation Plan. Moreover, state has also not demanded additional funds. The total amount released, till January 31, 2023 is Rs. 2410 lakhs.

The important steps taken by the Central Government for sustainable ground water management in the country including Punjab can be seen at [http://jalshakti-dowr.gov.in/sites/default/files/Steps%20taken%20by%20the%20Central%20Govt%20for%20water\\_depletion\\_july2022.pdf](http://jalshakti-dowr.gov.in/sites/default/files/Steps%20taken%20by%20the%20Central%20Govt%20for%20water_depletion_july2022.pdf)

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**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 421 TO BE ANSWERED IN RAJYA SABHA ON 06.02.2023 REGARDING “GROUNDWATER DEPLETION ISSUE IN PUNJAB”.**

**State/ UT-wise status of tap water connections in rural households (as on 30.01.2023)**

*(Number in lakhs)*

S. No.	State/ UT	Total rural HHs as on date	Rural HHs with tap connection as on 15.8.2019	Rural HHs with tap water supply	
				Nos.	%age
1.	A & N Islands	0.62	0.29	0.62	100.00
2.	Andhra Pr.	95.18	30.74	65.31	68.62
3.	Arunachal Pr.	2.22	0.23	1.56	70.40
4.	Assam	67.21	1.11	28.71	42.71
5.	Bihar	166.30	3.16	158.97	95.59
6.	Chhattisgarh	50.08	3.20	18.96	37.86
7.	DNH and D&D	0.85	0.00	0.85	100.00
8.	Goa	2.63	1.99	2.63	100.00
9.	Gujarat	91.18	65.16	91.18	100.00
10.	Haryana	30.41	17.66	30.41	100.00
11.	Himachal Pr.	17.09	7.63	16.69	97.68
12.	J&K	18.40	5.75	10.62	57.70
13.	Jharkhand	61.19	3.45	18.24	29.82
14.	Karnataka	101.18	24.51	61.84	61.12
15.	Kerala	70.69	16.64	32.40	45.83
16.	Ladakh	0.43	0.01	0.31	71.82
17.	Lakshadweep	0.13	0.00	0.0	0.0
18.	Madhya Pr.	119.89	13.53	56.25	46.91
19.	Maharashtra	146.73	48.44	106.35	72.48
20.	Manipur	4.52	0.26	3.42	75.74
21.	Meghalaya	6.35	0.05	2.87	45.13
22.	Mizoram	1.33	0.09	0.98	74.00
23.	Nagaland	3.66	0.14	2.20	60.10
24.	Odisha	88.56	3.11	50.19	56.67
25.	Puducherry	1.15	0.94	1.15	100.00
26.	Punjab	34.26	16.79	34.24	99.96
27.	Rajasthan	105.32	11.74	33.29	31.61
28.	Sikkim	1.32	0.70	1.03	78.26
29.	Tamil Nadu	125.51	21.76	73.93	58.90
30.	Telangana	53.98	15.68	53.98	100.00
31.	Tripura	7.42	0.25	4.33	58.36
32.	Uttar Pr.	262.64	5.16	75.27	28.66
33.	Uttarakhand	14.94	1.30	10.77	72.08
34.	West Bengal	182.59	2.15	54.48	29.84
	<b>Total</b>	<b>1935.96</b>	<b>323.63</b>	<b>1104.04</b>	<b>57.03</b>

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 421 TO BE ANSWERED IN RAJYA SABHA ON 06.02.2023 REGARDING “GROUNDWATER DEPLETION ISSUE IN PUNJAB”.**

**State wise no. of water supply projects completed & Tap connection provided during last three years**

S.No	Name of the State/UTs	No. of projects	Project Cost (in ₹ crore)	Tap Connections provided under AMRUT & in convergence
1	Andhra Pradesh	9	128.83	1,89,460
2	Arunachal Pradesh	0	0	1,659
3	Assam	0	0	63,475
4	Bihar	8	314.67	3,21,599
5	Chhattisgarh	40	861.78	1,98,933
6	Goa	1	0.26	-
7	Gujarat	77	1181.02	2,28,969
8	Haryana	31	435.5	1,77,733
9	Himachal Pradesh	17	45.59	17,040
10	Jharkhand	5	171.95	75,060
11	Karnataka	29	866.72	4,57,402
12	Kerala	124	695.69	1,69,325
13	Madhya Pradesh	21	1769.81	9,03,942
14	Maharashtra	11	899.72	8,51,099
15	Manipur	0	0	27,497
16	Meghalaya	1	4.9	4,975
17	Mizoram	1	32.12	5,155
18	Nagaland	2	8	4,482
19	Odisha	78	1226.89	4,01,425
20	Punjab	17	113.93	86,522
21	Rajasthan	13	358.65	4,58,441
22	Sikkim	1	2	3,420
23	Tamil Nadu	8	1961.85	12,42,349
24	Telangana	18	1028.79	3,54,092
25	Tripura	2	2.8	22,842
26	Uttar Pradesh	113	2086.37	5,50,148
27	Uttarakhand	29	177.89	64,482
28	West Bengal	27	1940.95	11,11,837
29	Andaman and Nicobar Islands	20	3.38	4,444
30	Chandigarh	1	5.95	1,61,474
31	Dadra & Nagar Haveli and Daman & Diu	1	41.28	1,595
32	Delhi	4	181.5	3,78,650
33	Jammu & Kashmir & Ladakh	3	26.44	72,557
34	Lakshadweep	3	2.34	-
35	Puducherry	1	12.05	1,050
	<b>Total</b>	<b>716</b>	<b>16589.62</b>	<b>86,13,133</b>

**ANNEXURE-III**

**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 421 TO BE ANSWERED IN RAJYA SABHA ON 06.02.2023 REGARDING “GROUNDWATER DEPLETION ISSUE IN PUNJAB”.**

**State wise No. of Water Supply projects approved under AMRUT 2.0**

<b>Name of the State/UTs</b>	<b>No. of Project</b>	<b>Project cost (in ₹ crore)</b>
ANDHRA PRADESH	295	5477.99
ASSAM	23	777.74
CHANDIGARH	1	60.00
CHHATTISGARH	38	1484.00
DELHI	2	1066.66
GOA	20	125.78
GUJARAT	362	5206.83
HIMACHAL PRADESH	10	161.61
JAMMU AND KASHMIR	99	907.70
JHARKHAND	16	1122.22
KARNATAKA	178	6145.94
KERALA	209	1909.41
MADHYA PRADESH	417	6263.07
MAHARASHTRA	78	9396.75
MANIPUR	6	85.75
MEGHALAYA	1	120.50
MIZORAM	19	104.78
ODISHA	129	2600.61
PUDUCHERRY	6	66.20
PUNJAB	91	2310.64
RAJASTHAN	178	4542.68
SIKKIM	5	42.65
TAMIL NADU	236	5599.18
TELANGANA	98	3158.47
TRIPURA	9	152.86
UTTAR PRADESH	314	13981.75
UTTARAKHAND	19	233.74
WEST BENGAL	163	6805.02
<b>Total</b>	<b>3,022</b>	<b>79,910.53</b>

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