

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
RAJYA SABHA
UNSTARRED QUESTION NO. 1680
ANSWERED ON 18.12.2023
GROUNDWATER LEVEL ASSESSMENT

1680. SHRI KARTIKEYA SHARMA

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

- (a) whether groundwater level assessments and heli-borne survey of water resources have been done for the State of Haryana, if so, the details thereof;
- (b) the number of rural households provided with tap water connection in the State of Haryana since 2020;
- (c) the steps taken by Government towards improving the drinking water quality in the country and in the State of Haryana; and
- (d) the steps taken towards rainwater harvesting in the State of Haryana, the details of subsidy schemes in this regard, if any, and the details of expenditure incurred on this in the State of Haryana, year-wise since 2019?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI BISHWESWAR TUDU)

(a) Central Ground Water Board (CGWB) is periodically monitoring the ground water levels throughout the Country including Haryana on a regional scale, through a network of monitoring wells. During the November 2022, the depth to water level in the State of Haryana ranged from less than 2 metres to more than 40 metres below ground level (mbgl). Out of the total 268 wells monitored, 52.6% wells had depth to water level (measured in terms of mbgl – metres below ground level) in the range of 0-10 metres, which is an indicator of ease of access to ground water.

Heliborne Transient Electromagnetic (H-TEM) survey was conducted in parts of Haryana State in which an area of 2,644 sq. km falling in parts of Yamunanagar and Kurukshetra Districts was covered. In the areas surveyed, sub-surface lithological information has been inferred and a total of 158 nos. of potential groundwater drilling and 122 Managed Aquifer Recharge (MAR) sites have been identified.

(b) Since August, 2019, Government of India in partnership with States, is implementing Jal Jeevan Mission (JJM) - Har Ghar Jal with the aim to enable every rural household in the country, to have assured potable water, in adequate quantity of prescribed quality on regular and long-term basis, through tap water connection during the mission period. Since the launch of the Scheme, as informed by the state government of Haryana, an additional 12.75 lakh rural households in Haryana have been provided with tap water connection. Further, as on date all 30.41 lakh rural households in Haryana have been provided with tap water connection.

(c) Water being a State subject, the responsibility for initiating and implementing suitable measures for utilization and conservation of water resources, which includes improving the drinking water quality, lies primarily with the concerned state governments. Government of India on its part extends necessary technical support and financial assistance through various schemes and projects.

Under JJM, States/UTs have been advised to carry out testing of water quality on a periodic basis, i.e. once in a year for chemical and physical parameters, and twice in a year for bacteriological parameters and take remedial action wherever necessary, to ensure that the water supplied to households is of prescribed quality. As reported by States/UTs, as on 12.12.2023, there are 2,111 drinking water quality testing laboratories at different levels viz. State, District, sub-division and/ or block level in the country. Some of the other activities are as follows:

- i. To encourage water quality testing to ensure potable drinking water supply, States/ UTs have opened water quality testing laboratories to general public for testing of their water samples at a nominal rate.
- ii. States/UTs have been advised to identify and train 5 persons, preferably women, in every village to conduct water quality testing using Field Testing Kits (FTKs)/ bacteriological vials at village level.
- iii. To enable States/ UTs to test water samples for water quality, and for sample collection, reporting, monitoring and surveillance of drinking water sources, an online JJM— Water Quality Management Information System (WQMIS) portal, has been developed. The State— wise details of water quality test reported through WQMIS are available in public domain on JJM Dashboard and can also be accessed at <https://ejalshakti.gov.in/WQMIS/Main/report>
- iv. In addition to the above, CGWB constructs Arsenic free wells in Arsenic affected areas using the cement sealing technology for tapping contamination free aquifers and also provides technical assistance to state departments in Fluoride mitigation. The successful wells have been handed over to the State Government for appropriate utilization.
- v. Further, the ground water quality data generated by CGWB during ground water quality monitoring every year and special studies are being shared with the State Governments, including Haryana for policy making and implementation.
- vi. Ministry of Jal Shakti is implementing several programmes for recharging ground water and water conservation which are expected to improve the underground water table, thus improving the quality of ground water. Some of the such initiatives are Jal Shakti Abhiyan, Amrut Sarovar Mission, Atal Bhujal Yojana, MNREGS, PMKSY-WDC etc.

(d) Jal Shakti Abhiyan(JSA) is being implemented across the country since 2019, including in the state of Haryana (since 2021) 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. As informed by the govt. of Haryana, various rain water harvesting and water conservation works like creation of check dams, farm ponds, roof top rain water harvesting, soak pit, percolation tank, gully plug etc. have been completed in the state with a total expenditure of about Rs. 88.64 crores.

Ministry of Jal Shakti is implementing Atal Bhujal Yojana in 7 states, including Haryana, under which incentive funds to the tune of Rs. 87.13 crore have been utilised for rain water harvesting, construction of farm ponds and rejuvenation and renovation of ponds in the state.

Further, under MNREGS also, the central govt. funds rain water harvesting and other water conservation works through convergence. As per the information available, an amount of Rs.226.52 Cr has been released towards such works in Haryana in the last 5 years. Year wise details are provided in the **Annexure** to this reply.

ANNEXURE REFERRED TO IN REPLY TO PART (d) OF UNSTARRED QUESTION NO. 1680 TO BE ANSWERED IN RAJYA SABHA ON 18.12.2023 REGARDING “GROUNDWATER LEVEL ASSESSMENT”.

Details of Water Conservation & Water Harvesting Works taken up in the State of Haryana under Mahatma Gandhi NREGS during 2019-20 to 2023-24 (as on 11.12.2023).			
Financial Year 2019-20			
Completed		Ongoing	
Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
1094	4275.29	1509	386.14
Financial Year 2020-21			
Completed		Ongoing	
Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
1119	5860.81	1668	922.36
Financial Year 2021-22			
Completed		Ongoing	
Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
1433	4095.48	1555	1336.96
Financial Year 2022-23			
Completed		Ongoing	
Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
467	958.86	1879	1491.56
Financial Year 2023-24 (as on 11.12.2023)			
Completed		Ongoing	
Number of works	Expenditure (Rs. in lakh)	Number of works	Expenditure (Rs. in lakh)
236	346.78	2266	2977.98
Total (Rs. in lakh)	15,537.22	Total (Rs. in lakh)	7,115
