GOVERNMENT OF INDIA

MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

UNSTARRED QUESTION NO. 3028

ANSWERED ON 07.08.2025

DEMONSTRATIVE RECHARGE PROJECTS

3028. SHRI B K PARTHASARATHI SHRI BASTIPATI NAGARAJU

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

(a) the total number of demonstrative recharge projects undertaken under the Groundwater Management and Regulation Scheme, year and State-wise including district-wise for Andhra Pradesh;

(b) the details of the funds sanctioned and disbursed for such recharge projects, State-wise;

(c) the details of the improvement observed in groundwater levels through such projects, State and project-wise; and

(d) the number of infrastructures technologically upgraded thereunder, State-wise along with the funds allocated and disbursed for the same?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY**)**

(a) Ground Water Management and Regulation (GWM &R) Scheme is a continuing Central Sector Scheme, being implemented by the Central Ground Water Board (CGWB). Under this scheme, CGWB has taken up various artificial recharge projects in the country since 2018 onwards, mainly for demonstrative purpose, which can be replicated and scaled up by the state governments. The State/District-wise and Year-wise details of demonstrative recharge projects undertaken under the Groundwater Management and Regulation Scheme, including in the state of Andhra Pradesh are provided in **Annexure –I.**

(b) State-wise and project-wise funds allocated and released towards the above works is provided in **Annexure –II.**

(c) To assess the impact of recharge structures taken up under various projects, post monsoon water levels for the year 2024 of the respective project implementation Block/District was compared with average post monsoon water level of previous five years from 2018-2023.

- In the 3 Blocks covered under the Artificial Recharge work in Aspirational Districts project, the percentage of monitored wells showing rise in ground water levels in post monsoon 2024

vis'-a-vis' post monsoon mean of previous five years, are 80% in Osmanabad (Maharashtra), 100% in Pulivendula (Andhra Pradesh) and 100% in Bachennapet (Telangana), respectively.

- In Maharashtra, where Bridge cum Bandhara (BCB) project was implemented, analysis shows that 100% of the monitored wells have shown rise in Amravati district whereas in Wardha district, rises were observed in 100% of wells in Karanja and Samudrapur Blocks, 88.9% in Seloo Block, and 80% in Deoli Block.

- Further, in the water stressed districts of Jaisalmer, Jodhpur, Barmer, Alwar, Jhunjhunu and Sikar of Rajasthan, analysis indicates that about 55% of the wells monitored across the said districts have registered rise in ground water levels.

(d) Several proactive steps have been taken by the Ministry/CGWB for upgradation of technological infrastructure for better ground water regime monitoring, aquifer mapping and resource assessment which are playing a pivotal role in improved and precise policy interventions. Some of the important ones are mentioned below :

- Central Ground Water Board (CGWB), in collaboration with IIT Hyderabad, has developed a GIS-based web platform called the "India Groundwater Resource Estimation System" (IN-GRES) for estimation of groundwater resources and visualization of the results of groundwater assessments. Utilizing this platform, the Groundwater Resource Assessment for all States and Union Territories is now being carried out annually.

- GRASP (Groundwater Resources Assessment for Strategic Planning) is a specialized software developed to support comprehensive monitoring, analysis and assessment of groundwater data. This is used for comprehensive data base management of water levels, water quality and lithological logs etc.

- CGWB has stepped up the widening of its Digital Water Level Recorders (DWLRs) network, by taking up construction of 7,000 additional piezometers equipped with DWLRs in the entire country under the PIB approved project for NAQUIM data generation for real time monitoring and dissemination of ground water data, helping in more refined policy interventions.

- Out of 16 Chemical laboratories of CGWB, 14 have become NABL accredited now and have been equipped with state of the art instruments like ICPMS, IRMS etc. for advanced testing of ground water parameters.

All the above works have been done by CGWB under the budget allocation made to it under GWM&R scheme and no funds have been allocated/released to the state governments.

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ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3028 TO BE ANSWERED IN LOK SABHA ON 07.08.2025 REGARDING "DEMONSTRATIVE RECHARGE PROJECTS".

Details of demonstrative recharge projects undertaken under the Groundwater Management and Regulation Scheme, including the state of Andhra Pradesh

S. N.	State	District/Block	Year	Structures
1.	**Andhra Pradesh**	**YSR Kadapa (Pulivendula)**	**2018-2020**	**16 Check dams, 4 Percolation tanks, 01 Sub-surface barriers, 36 Recharge shaft & 12 Piezometers.**
2.	Maharashtra	Osmanabad (Osmanabad)	2018-2020	55 Check Dams, 20 Piezometers & 46 Recharge wells.
		Wardha & Amravati	2018-2020	05 Bridge cum Bhandhara (BCB)
3.	Telangana	Warangal(Bachennapet)	2018-2020	6 Check dams, 1 Sub-Subsurface barrier and 31 Recharge shaft & 9 Piezometers.
4.	Rajasthan	Jaisalmer, Jodhpur, Barmer, Alwar, Jhunjhunu and Sikar	2019-onwards	01 Concrete Gravity Dam, 01 Zoned Earth fill Dam, 132 Water Harvesting Structures which includes Stone Masonary Check Dams (MCD), Anicuts, Concrete Check Dams (CCD), Model Talab & Recharge shafts.

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3028 TO BE ANSWERED IN LOK SABHA ON 07.08.2025 REGARDING "DEMONSTRATIVE RECHARGE PROJECTS".

State-wise funds allocated and released towards demonstrative recharge projects

S. No	State	Project	Fund Allocated	Funds Released
1	**Andhra Pradesh**	Artificial Recharge work in Aspirational Districts	Rs. 54.38 Cr.	Rs. 41.25 Cr.
	Maharashtra			
	Telangana			
2	Maharashtra	Construction of Bridge Cum Bandhara(BCB) in Maharashtra	Rs. 30.29 Cr	Rs. 27.89 Cr
3	Rajasthan	Groundwater Augmentation through Artificial Recharge in water stressed areas of Rajasthan	Rs. 168.77 Cr	Rs. 112.44 Cr

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