

GOVERNMENT OF INDIA

MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

LOK SABHA

UNSTARRED QUESTION NO. 4508

ANSWERED ON 27.03.2025

EXTENSION OF ATAL BHUJAL YOJANA IN ANDHRA PRADESH

4508. SHRI G M HARISH BALAYOGI

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

- (a) whether the Government has any plan to extend the Atal Bhujal Yojana (ABY) in Andhra Pradesh;
- (b) if so, the details of the gram panchayats/administrative blocks/talukas and the districts identified for the implementation of the said scheme along with the proposed timeline of its implementation in Andhra Pradesh;
- (c) the details of the funds allocated for the implementation of the said scheme in Andhra Pradesh;
- (d) whether the Government proposes to restructure the said scheme as a Centrally Sponsored scheme and if so, the details thereof indicating the proposed cost-sharing ratio between the Centre and the State;
- (e) whether the Government has assessed the groundwater depletion trends in Andhra Pradesh and if so, the details thereof along with the specific action plan formulated for Andhra Pradesh to address the same; and
- (f) whether the Government has any plan to integrate technological interventions such as sensor-based monitoring, GIS mapping and AI-based groundwater management solutions in Andhra Pradesh and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) to (d) Atal Bhujal Yojana is a pilot project for participatory ground water management with a fixed duration & outlay. Given the positive impact of Atal Bhujal Yojana, this Department has planned its second phase, however, no decision has been taken in this regard.

(e) Central Ground Water Board (**CGWB**) monitors groundwater levels throughout the country including the state of Andhra Pradesh, four times in every year. In order to assess the long term fluctuation in ground water level in Andhra Pradesh, the water level data collected by CGWB during November 2024 has been compared with the decadal mean of November (2014-2023). Such analysis of water level data indicates that about 66.9% of the wells monitored have registered rise in ground water levels. District-wise Decadal Water Level Fluctuation with Mean (Post-Monsoon 2014 to 2023) and Post-monsoon 2024 in respect of Andhra Pradesh is at **Annexure**.

Water being a State subject, the responsibility of addressing the ground water related issues lies primarily with the concerned State Governments. However, the Central Government facilitates the efforts of the State Governments by way of technical and financial assistance through its various schemes and projects. In this direction, the important steps taken by the Ministry of Jal Shakti and other central ministries for improvement of ground water resources of the country, including for the state of Andhra Pradesh, are given below:-

- (i) The Government is implementing Jal Shakti Abhiyan (JSA) in the country since 2019 which is a mission mode and time bound programme for harvesting the rainfall and taking up water conservation activities. Currently, JSA 2025 has been launched in the country, with a special focus on Over-exploited, Critical and Semi-critical districts (OCS districts). JSA is an umbrella campaign under which various ground water recharge and conservation related works are being taken up in convergence with various central and state schemes.
- (ii) CGWB has taken up National Aquifer Mapping and Management Programme (NAQUIM) with an aim to delineate aquifer disposition and their characterization. Entire mappable area of the country of around 25 lakh sq. km, including 1.41 lakh sq. km area of Andhra Pradesh, has been mapped under the scheme and management plans have been shared with the respective State/District administrations for implementation.
- (iii) Master Plan for Artificial Recharge to Groundwater- 2020 has been prepared by the CGWB for the entire country, including Andhra Pradesh and shared with States/UTs providing a broad outline for construction of around 1.42 crore rain water harvesting and artificial recharge structures in the country to harness 185 BCM (Billion cubic meter) of water. For Andhra Pradesh, the Masterplan recommends around 3.16 lakh structures.
- (iv) Department of Agriculture & Farmers' Welfare (DA & FW), GoI, is implementing Per Drop More Crop Scheme in the country, including Andhra Pradesh, since 2015-16, which focuses on enhancing water use efficiency at farm level through Micro Irrigation and better on-farm water management practices to optimize the use of available water resources. As per available information, an area of 3.1 lakh Ha has been brought under micro irrigation in Andhra Pradesh during 2019 to 2024.
- (v) Mission Amrit Sarovar was launched by the Government of India, which aimed at developing and rejuvenating at least 75 water bodies in each district of the country, including Andhra Pradesh for the purpose of increasing water storage and boosting ground water recharge. As an outcome nearly 69,000 Amrit Sarovars have been constructed/rejuvenated in the country, with 2,154 in Andhra Pradesh.

(vi) M/o Jal Shakti is promoting conjunctive use of surface water and groundwater and to reduce over-dependence on groundwater, surface water based Major and Medium irrigation projects have been taken up in the country under PMKSY-AIBP scheme in collaboration with States/UTs.

(f) Realizing the significance of having high frequency data on ground water on real time basis, this Ministry has taken up the process of installing Digital Water Level Recorders (DWLRs) with telemetry systems throughout the country under its various schemes and projects like Ground Water Management & Regulation (GWM &R) Scheme, National Hydrology Project (NHP) etc. The state governments are also funded for carrying out the said activity under NHP. So far, around 783 DWLRs have been installed in the state of Andhra Pradesh under the above said schemes, which transmit water level data directly from the field to a central server at high frequency, which facilitates near-real-time access to this data.

Additionally, for the purpose of carrying out the complex exercise of groundwater resource assessments at regular intervals, a web-based application named India Groundwater Resource Estimation System (INGRES), a GIS based platform, has been deployed by CGWB for online data entry, computation and generation of outputs of groundwater resources.

ANNEXURE REFERRED TO IN REPLY TO PART (e) OF UNSTARRED QUESTION NO. 4508 TO BE ANSWERED IN LOK SABHA ON 27.03.2025 REGARDING “EXTENSION OF ATAL BHUJAL YOJANA IN ANDHRA PRADESH”.

Categorization of changes in water level between Mean of Post-monsoon 2014 to 2023 with post-monsoon 2024

Sr. No.	District Name	No of wells analysed	No./Percentage of wells showing fluctuation in water level (m) in the range of															
			Rise						Fall						Rise		Fall	
			0 to 2		2 to 4		> 4		0 to 2		2 to 4		> 4		No	%	No	%
			No	%	No	%	No	%	No	%	No	%	No	%	No	%	No	%
1	Alluri Sitharama Raju	35	29	82.9	1	2.9	1	2.9	4	11.4	0	0	0	0	31	88.6	4	11.4
2	Anakapalli	20	10	50	2	10	0	0	8	40	0	0	0	0	12	60.0	8	40.0
3	Ananthapuramu	8	5	62.5	3	37.5	0	0	0	0	0	0	0	0	8	100.0	0	0.0
4	Annamayya	14	4	28.6	3	21.4	1	7.1	5	35.7	0	0	1	7.1	8	57.1	6	42.9
5	Bapatla	21	4	19	0	0	1	4.8	16	76.2	0	0	0	0	5	23.8	16	76.2
6	Chittoor	15	8	53.3	2	13.3	0	0	4	26.7	1	6.7	0	0	10	66.7	5	33.3
7	Dr. B.R. Ambedkar Konaseema	29	29	100	0	0	0	0	0	0	0	0	0	0	29	100.0	0	0.0
8	East Godavari	20	16	80	2	10	0	0	2	10	0	0	0	0	18	90.0	2	10.0
9	Eluru	26	5	19.2	1	3.8	1	3.8	18	69.2	1	3.8	0	0	7	26.9	19	73.1
10	Guntur	23	6	26.1	1	4.3	0	0	15	65.2	1	4.3	0	0	7	30.4	16	69.6
11	Kakinada	18	15	83.3	1	5.6	0	0	1	5.6	1	5.6	0	0	16	88.9	2	11.1
12	Krishna	25	5	20	0	0	0	0	20	80	0	0	0	0	5	20.0	20	80.0
13	Kurnool	22	11	50	4	18.2	2	9.1	5	22.7	0	0	0	0	17	77.3	5	22.7
14	Nandyal	17	10	58.8	3	17.6	1	5.9	3	17.6	0	0	0	0	14	82.4	3	17.6
15	Ntr	19	10	52.6	0	0	0	0	9	47.4	0	0	0	0	10	52.6	9	47.4
16	Palnadu	39	26	66.7	5	12.8	1	2.6	4	10.3	2	5.1	1	2.6	32	82.1	7	17.9
17	Parvathipuram Manyam	19	3	15.8	1	5.3	0	0	10	52.6	3	15.8	2	10.5	4	21.1	15	78.9
18	Prakasam	24	9	37.5	6	25	9	37.5	0	0	0	0	0	0	24	100.0	0	0.0
19	Sri Potti Sriramulu Nellore	36	20	55.6	9	25	1	2.8	5	13.9	0	0	1	2.8	30	83.3	6	16.7
20	Sri Sathya Sai	24	7	29.2	7	29.2	8	33.3	0	0	0	0	2	8.3	22	91.7	2	8.3
21	Srikakulam	31	7	22.6	2	6.5	0	0	15	48.4	6	19.4	1	3.2	9	29.0	22	71.0
22	Tirupati	24	16	66.7	4	16.7	2	8.3	2	8.3	0	0	0	0	22	91.7	2	8.3
23	Visakhapatnam	15	9	60	0	0	1	6.7	5	33.3	0	0	0	0	10	66.7	5	33.3
24	Vizianagaram	28	11	39.3	1	3.6	0	0	14	50	2	7.1	0	0	12	42.9	16	57.1
25	West Godavari	17	15	88.2	0	0	0	0	2	11.8	0	0	0	0	15	88.2	2	11.8
26	Y.S.R.	17	7	41.2	5	29.4	3	17.6	1	5.9	0	0	1	5.9	15	88.2	2	11.8
	Total	586	297	50.68	63	10.75	32	5.46	168	28.67	17	2.9	9	1.54	392	66.9	194	33.1
