

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

STARRED QUESTION NO. *152

ANSWERED ON 05.12.2024

AVAILABILITY OF WATER UNDER PMKSY

†*152 SHRI BHUMARE SANDIPANRAO ASARAM
 SHRI RAVINDRA DATTARAM WAIKAR

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether the Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) has been introduced with an objective to increase the availability of water substantially in fields, expand cultivable area under assured irrigation, improve on-farm water use efficiency and implement sustainable water conservation practices;
- (b) if so, the details of the targets fixed and progress made so far under PMKSY, State/UTwise including Sambhaji Nagar (Aurangabad) in Maharashtra, Madhya Pradesh and Dadra and Nagar Haveli;
- (c) whether the Government proposes any measures or schemes to increase substantial water availability in fields in the States facing water shortages; and
- (d) if so, the details thereof, State/UT-wise including Sambhaji Nagar (Aurangabad) in Maharashtra, Madhya Pradesh and Dadra and Nagar Haveli?

ANSWER

THE MINISTER OF JAL SHAKTI
(SHRI C R PAATIL)

(a) to (d) : A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF STARRED QUESTION NO. *152 TO BE ANSWERED ON 05.12.2024 IN LOK SABHA REGARDING “AVAILABILITY OF WATER UNDER PMKSY”.

(a) Yes. Pradhan Mantri Krishi Sinchai Yojna (PMKSY) is an umbrella scheme, consisting of two major components being implemented by the Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti, namely, Accelerated Irrigation Benefit Programme (AIBP), and Har Khet Ko Pani (HKKP). HKKP, in turn, consists of four sub-components: (i) Command Area Development & Water Management (CAD&WM); (ii) Surface Minor Irrigation (SMI); (iii) Repair, Renovation and Restoration (RRR) of Water Bodies; and (iv) Ground Water (GW) Development. In 2016, with the launching of revised AIBP format, CAD&WM sub-component of HKKP has been taken up for pari passu implementation with AIBP.

Further, in December, 2021, implementation of PMKSY for the period 2021-22 to 2025-26 has been approved by Government of India. However, approval of Ground Water component under PMKSY-HKKP has provisionally been accorded till 2021-22 only for committed liabilities, which has been extended subsequently till completion of ongoing works. Also, Per Drop More Crop component, which was earlier a component of PMKSY, is now being implemented separately by Department of Agriculture and Farmer's Welfare (DoA&FW) under Rashtriya Krishi Vikash Yojna (RKVY). In addition, Watershed Development Component (WDC) is being implemented by Department of Land Resources (DoLR)

AIBP component focuses on completion of major and medium and Extension, Renovation and Modernisation (ERM) projects for creation of new irrigation potential/restoration of irrigation potential in the country. CAD&WM is dedicated to command area development for bridging gap between irrigation potential created and its utilization and improving on-farm water use efficiency to reduce wastage. HKKP-SMI and RRR deal with minor irrigation projects for enhancement of physical access of water on the farm and expansion of cultivable area under assured irrigation. PDMC deals with adoption of precision-irrigation such as Drip and sprinkler and other water saving technologies. WDC works toward integrated development of rainfed areas towards soil and water conservation, regeneration of ground water, arresting runoff and promoting extension activities relating to water harvesting, water management and crop alignment for farmers etc.

(b) Ninety-Nine (99) ongoing Major/Medium Irrigation Projects (MMI) (and 7 phases) spread in 18 States were identified under PMKSY-AIBP during 2016-17 along with pari-passu implementation of CAD&WM in 88 projects, in consultation with States, to be completed in phases. 62 MMI projects have been reported completed under PMKSY-AIBP with creation of 25.80 lakh hectare of irrigation potential through these projects during 2016-24 against balance irrigation potential of 34.64 lakh hectare. Command area development of 19.28 lakh hectare has been achieved during 2016-24.

Nine (09) new MMI/ERM projects have been included in the scheme since 2021-22. The targeted potential to be created by these projects is 4.01 lakh hectare. The irrigation potential created from the newly included projects under PMKSY-AIBP during 2021-22 to 2023-24 is 0.31 lakh hectare.

Irrigation potential creation during 2016-17 to 2020-21 under HKKP-SMI and RRR was targeted to 3.50 lakh hectare, against which 3.89 lakh hectare irrigation potential was achieved. Further, target for irrigation potential creation during 2021-22 to 2025-26 under PMKSY-HKKP-SMI and RRR has been kept as 4.5 lakh hectare. 75.32 thousand hectare irrigation potential has been created under HKKP-SMI and RRR during 2021-22 to 2023-24.

Further, an area of 84.11 lakh hectares has been covered under Micro Irrigation under the PDMC Scheme being implemented by DoA&FW during 2016-24. Also, a total of 9,364 projects in 89.23 lakh hectare area have been taken up by Department of Land under Watershed Development Component of PMKSY.

State-wise details of physical progress made so far under various components of PMKSY is shown in **Annexure**.

Physical progress made so far in the States of Maharashtra and Madhya Pradesh under PMKSY-AIBP, CADWM and other components of PMKSY is shown as below:

Components of PMKSY	Physical progress made so far in Maharashtra	Physical progress made so far in Madhya Pradesh
PMKSY-AIBP and CADWM	Under PMKSY-AIBP, 28 projects have been included from the state of Maharashtra with balance irrigation potential to be created as 5.56 lakh hectare. 16 projects has been completed and irrigation potential of 3.77 lakh hectare have been created during 2016-17 to 2023-24 under AIBP component with command area development in 2.19 lakh hectare area under CAD&WM. One project of PMKSY-AIBP from the state of Maharashtra namely Nadur Madhmeshwar Ph-II (Major) Irrigation project is benefitting the Sambhaji Nagar (Aurangabad District), which was completed in 2018-19.	Under PMKSY-AIBP, 21 projects (14 projects and 7 phases) have been included under PMKSY-AIBP with balance irrigation potential to be created as 2.54 lakh hectare. Out of which, 17 projects (12 projects and 5 phases) has been completed as on date. An irrigation potential of 1.83 lakh hectare have been created under AIBP with command area development in 2.89 lakh hectare under CAD&WM
PMKSY-WDC	A total of 1,186 projects having area 5.128 lakh hectare were completed in Maharashtra under PMKSY1.0 i.e. till March, 2022. 140 more projects have been taken up in Maharashtra under PMKSY 2.0 covering an area of 5.26 lakh hectares.	A total of 517 projects covering an area of 2.937 lakh hectare were completed in Madhya Pradesh under PMKSY1.0. 85 more project covering an area of 5.10 lakh hectare have been taken up in Madhya Pradesh under PMKSY2.0.
PMKSY-PDMC	An area of 9.90 lakh hectare has been covered under Micro Irrigation-PDMC Scheme in Maharashtra during 2016-17 to 2023-24.	An area of 3.31 lakh hectare has been covered under Micro Irrigation-PDMC Scheme in Madhya Pradesh during 2016-17 to 2023-24.

There is no project being implemented under PMKSY in Dadra and Nagar Haveli.

(c) & (d) Extension of PMKSY for the period 2021-22 to 2025-26 has been approved by Government of India, with an overall outlay of Rs. 93,068.56 crore (central assistance of Rs. 37,454 crore, debt servicing to NABARD for Rs. 20,434.56 crore and an outlay for Rs. 35,180 crore by the State Governments towards State share). Central assistance to Renukaji dam and Lakhwar multipurpose (National) projects, in the State of Himachal Pradesh and Uttarakhand, respectively have also been approved under PMKSY-AIBP. Special provisions for inclusion and funding ratio have been kept for agrarian distressed regions of the country in some of the components of PMKSY being implemented by this Ministry.

Further, a special package has been taken up for financial assistance by Government of India in July, 2018 for completion of 83 surface minor irrigation (SMI) projects and 8 major / medium irrigation (MMI) projects with balance cost of Rs.13,651.61 crore in drought prone districts in Vidarbha and Marathwada and rest of Maharashtra in phases. Out of these, 53 SMI projects and 2 MMI projects have been reported to be completed so far. 3.77 lakh hectare irrigation potential has been targeted to be created under this scheme, out of which 1.66 lakh hectare irrigation potential has been created till March, 2024.

Five SMI projects of Maharashtra special package benefits Aurangabad district of Maharashtra. Three projects namely Banoti, Wangaon Pohari and Sawaladbara ST with total irrigation potential of 1040 hectares have been completed, whereas two projects namely Titwi and Devgaon Rangari with total irrigation potential of 1,267 hectare is ongoing.

Further, Government of India, in December, 2021, has approved Ken-Betwa link project in the States of Madhya Pradesh and Uttar Pradesh, at an estimated cost of Rs. 44,605 crore.

In 2018, Government of India has also approved financial assistance to Shahpurkandi dam (National) project benefitting J&K and Punjab and relining of Rajasthan feeder and Sirhind feeder benefitting Punjab and Rajasthan. Also, North Koel Project of Bihar and Jharkhand has been approved for financial assistance under PMKSY-AIBP.

ANNEXURE**ANNEXURE REFERRED TO IN REPLY TO PART (b) OF LOK SABHA STARRED QUESTION NO. *152 TO BE ANSWERED ON 05.12.2024 REGARDING “AVAILABILITY OF WATER UNDER PMKSY”****A. State-wise Irrigation Potential Created/command area developed during 2016-17 to 2023-24 under PMKSY-AIBP and PMKSY-HKCP****Area in thousand hectares**

Sl. No.	Name of States	Irrigation Potential (IP) Created under PMKSY –AIBP	Command Area developed under CAD&WM	IP Created under PMKSY-HKCP-SMI	IP Created under PMKSY-HKCP-RRR	IP created under GW
1	Andhra Pradesh	24.33	0.93	0.00	0.00	-
2	Arunachal Pradesh	--	--	17.86	--	3.742
3	Assam	36.55	25.40	116.44	--	38.648
4	Bihar	19.69	19.13	33.8	21.79	-
5	Chhattisgarh	16.76	8.78	4.87	0.00	-
6	Goa	4.24	6.70	--	--	-
7	Gujarat	610.90	1,030.54	--	3.90	1.866
8	Himachal Pradesh	0.66	--	22.57	--	-
9	UT of Jammu & Kashmir	6.52	2.28	33.1	--	-
10	U.T. of Ladakh	0.00	--			-
11	Jharkhand	79.80	0.00	6.09	--	-
12	Karnataka	115.86	42.08	3.48	--	-
13	Kerala	2.59	1.50	--	--	-
14	Madhya Pradesh	182.94	289.11	31.83	8.00	-
15	Maharashtra	385.96	218.78	--	--	-
16	Manipur	24.46	8.67	17.93	0.62	2.057
17	Meghalaya	--	--	26.47	0.88	-
18	Mizoram	--	--	1.93	--	0.553
19	Nagaland	--	--	12.84	--	0.667
20	Odisha	87.44	85.49	--	27.92	-
21	Punjab	34.99	73.53	--	--	-
22	Rajasthan	16.38	82.47	--	15.33	-
23	Sikkim	--	--	4.18	--	-
24	Tamil Nadu	5.23	--	--	12.27	0.610
25	Telengana	189.52	10.68	--	16.31	-
26	Tripura	0.00	--	0.00	--	3.009
27	Uttar Pradesh	766.93	21.71	--	2.35	36.365
28	Uttarakhand	0.00	--	21.27	--	1.030
	Total	2611.75	1927.77	354.66	109.37	88.547

B. State Wise progress under PMKSY-PDMC & WDC**(in Lakh Hectares)**

S.No.	State	Area brought under precision irrigation through PMKSY-PDMC	Area of the project covered under PMKSY-WDC
1	Andhra Pradesh	8.37	4.25
2	Arunachal Pradesh	0.13	1.98
3	Assam	0.45	2.94
4	Bihar	0.25	2.33
5	Chhattisgarh	1.40	3.70
6	Goa	0.008	0.20
7	Gujarat	9.74	6.03
8	Haryana	1.75	0.67
9	Himachal Pradesh	0.076	1.38
10	Jharkhand	0.36	2.39
11	J&K	0.01	1.30
12	Karnataka	19.41	5.47
13	Kerala	0.05	0.68
14	Madhya Pradesh	3.31	8.03
15	Maharashtra	9.90	10.39
16	Odisha	1.24	4.64
17	Punjab	0.14	0.60
18	Rajasthan	7.67	13.27
19	Tamil Nadu	11.03	2.72
20	Telangana	2.88	2.87
21	Uttarakhand	0.32	1.05
22	Uttar Pradesh	3.92	5.69
23	West Bengal	1.05	1.98
24	Manipur	0.15	1.08
25	Meghalaya	0.00	0.86
26	Mizoram	0.046	0.87
27	Nagaland	0.25	0.80
28	Sikkim	0.15	0.27
29	Tripura	0.045	0.53
30	Ladakh	0.00	0.26
	Grand Total	84.11	89.23

GOVERNMENT OF INDIA
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DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA

STARRED QUESTION NO. *158

ANSWERED ON 05.12.2024

GROUND WATER MANAGEMENT AND REGULATION SCHEME

*158 SHRI DAGGUMALLA PRASADA RAO SHRI KESINENI SIVANATH

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the details of the total progress achieved under the Ground Water Management and Regulation (GWM&R) Scheme in the country especially in the State of Andhra Pradesh;
- (b) the details of the total number of notified areas for regulation of ground water development by the Central Ground Water Authority (CGWA) especially in the State of Andhra Pradesh, district-wise;
- (c) whether the Government has any data regarding the complaints of violations under the notified areas during the last three years and the current year and if so, the details thereof, State-wise;
- (d) the details of the total number of identified, in progress and completed projects under the component for artificial recharge during the last five years; and
- (e) whether the Government has any plan to incorporate new components under the scheme by considering the extension of the scheme and if so, the details thereof?

ANSWER

THE MINISTER OF JAL SHAKTI

(SHRI C R PAATIL)

- (a) to (e) : A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF STARRED QUESTION NO. *158 TO BE ANSWERED ON 05.12.2024 IN LOK SABHA REGARDING “GROUND WATER MANAGEMENT AND REGULATION SCHEME”

(a) Ground Water Management and Regulation (GWMR) Scheme is a Central Sector Scheme being implemented since 2007-08 by the Central Ground Water Board (CGWB). Major activities being taken up under the scheme include regular ground water level and quality monitoring throughout the country along with annual quality and resource assessment; National Aquifer Mapping and Management (NAQUIM) Programme; Regulation and control of ground water withdrawal in States/UTs; Taking up few demonstrative recharge projects in selected water stressed areas and Strengthening of scientific infrastructure for technological up gradation.

The major activity under the scheme is National Aquifer Mapping and Management Programme (NAQUIM) which is being implemented with the objectives to delineate and characterize the aquifers and develop plans for ground water management. Under this component, so far the entire mappable area of the country of around 25 lakh sq.km has been covered along with 1.41 lakh sq kms of Andhra Pradesh. Further, aquifer maps and management plans have been shared with all the State and District authorities for suitable demand side and supply side interventions.

(b) Central Ground Water Authority (CGWA) regulates abstraction cum use of Groundwater in the country as per the provisions of its Guidelines dated 24.09.2020. The concept of Notified Areas is no longer applicable as per the Guidelines dated 24.09.2020. As per these Guidelines, NOCs are being issued and abstraction charges are being levied based on the classification of Assessment Units (wherein the projects are located), into Safe, Critical, Semi-critical, Over Exploited and Saline categories. Further, as per the dynamic ground water resource assessment, 2023, out of 6553 total Assessment Units (AUs) in the country, 736 AUs have been categorized as Over-Exploited (OE), .

As per the information received from the state government, regulation and management of ground water resources in the state is being done under Andhra Pradesh Water, Land & Trees Act (APWLTA). Further, under the prevailing ground water regulation regime in the state, a total of 188 villages in seven districts have been notified for regulation of ground water development in Andhra Pradesh. District-wise details are provided in **Annexure**.

(c) CGWA has been acting promptly, either *suo moto* or based on complaints against illegal extraction of ground water and non-compliance of NOC conditions. Environmental Compensation (EC) charges and penalties are imposed against the violators as per the provisions of its Guidelines. As per records, penalties have been imposed and recovered from 5568 cases and Environmental compensation has been imposed and recovered from 1150 cases up to November 2024.

Further, as per the information received from APWLTA no complaints of violations in notified areas have been received by them in the past three years including the current year.

(d) Under GWM &R Scheme, important artificial recharge projects handled by CGWB in the past five years include construction of AR structures in Aspirational Districts of Osmanabad, YSR Kadapa and Warangal; construction of innovative Bridge-cum-Bhandaras meant for water storage as well as artificial recharge in Wardha and Amravati districts of Maharashtra; and Ground water augmentation through artificial recharge in identified water stressed areas of Rajasthan comprising of Jodhpur, Jaisalmer and Sikar districts. All put together, since 2018, 195 check dams, 113 recharge shafts, 8 percolation tanks, 5 bridge-cum-bhandaras, 2 sub-surface barriers and 2 dams have been constructed across the country under GWM & R scheme. Apart from GWM & R scheme, the Ministry of Jal Shakti is implementing Jal Shakti Abhiyan (JSA) across the country since 2019 in mission mode and currently JSA 2024 is in progress. Since the inception of JSA, a total of around 1.57 cr. water conservation and rain water harvesting structures have been completed/ongoing in the country and an expenditure of Rs. 1.15 lakh cr has been incurred towards this through convergence with MGNREGS alone.

(e) Present phase of GWM&R Scheme has been approved for a period from 2021-2026 and there is no proposal for incorporation of new components to the Scheme under consideration of the Ministry.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (b) OF LOK SABHA STARRED QUESTION NO. *158 TO BE ANSWERED ON 05.12.2024 REGARDING “GROUND WATER MANAGEMENT AND REGULATION SCHEME”.

Sl.No.	District	No. of Notified Villages
1.	Ananthapuram	6
2.	Chittoor	1
3.	Palnadu	16
4.	Prakasam	57
5.	Sri Satya Sai	42
6.	Srikakulam	53
7.	YSR Kadapa	13
	Total	188
