

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS' WELFARE
DEPARTMENT OF AGRICULTURE & FARMERS' WELFARE

LOK SABHA
STARRED QUESTION NO.106
TO BE ANSWERED ON THE 3RD DECEMBER, 2024

MICRO IRRIGATION INITIATIVES UNDER PMKSY

*106. SHRI DARSHAN SINGH CHOUDHARY:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the details and current status of Micro Irrigation Initiatives under Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) in Hoshangabad Parliamentary Constituency in Madhya Pradesh (MP);
- (b) the details of the progress of Dudhi and Chinki Boras Barrage Irrigation Projects in MP along with the completion of the above Irrigation Projects under PMKSY;
- (c) the details of coverage area of Micro Irrigation in the district;
- (d) the number of farmers benefited along with the increase in crop yield/irrigation efficiency from the said projects;
- (e) the details of the challenges faced during the implementation of PMKSY and Micro Irrigation Initiatives in the said district; and
- (f) the details of the future plans to expand the Micro Irrigation and irrigation efficiency in Hoshangabad district?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI SHIVRAJ SINGH CHOUHAN)

(a) to (f): A Statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (f) OF LOK SABHA STARRED QUESTION NO. 106 DUE FOR REPLY ON 3RD DECEMBER, 2024 REGARDING MICRO IRRIGATION INITIATIVES UNDER PMKSY.

(a) to (d): The Government accords high priority to water conservation and its management. To this effect, Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) is being implemented in the country with an aim to enhance physical access of water on farm and expand cultivable area under assured irrigation, improve on farm water use efficiency, introduce sustainable water conservation practices etc.

The Department of Agriculture & Farmers Welfare is implementing Per Drop More Crop (PDMC) scheme in the Country including Hoshangabad Parliamentary constituency in the State of Madhya Pradesh. PDMC was implemented as a component of PMKSY during the year 2015-16 to 2021-22. From the year 2022-23, PDMC is being implemented under the Pradhan Mantri Rashtriya Krishi Vikas Yojana (PM-RKVY). PDMC focuses on enhancing water use efficiency at farm level through Micro Irrigation, namely, Drip and Sprinkler irrigation system.

The Hoshangabad Parliamentary constituency covers three districts of the State of Madhya Pradesh namely; Narmadapuram, Narsinghpur and Raisen. The details of the area coverage under Micro Irrigation in these Districts and No. of farmers benefited through PDMC from 2015-16 to 2024-25 (till date) as reported by the State Government is given as under:

Sr. No.	District	Area covered under Micro-irrigation (ha)	Number of Beneficiaries
1	Narmadapuram	8917	6047
2	Narsinghpur	6748	4503
3	Raisen	12897	9162

Adoption of Micro Irrigation results in improved water use efficiency, crop yield and enhancement of income of the farmers. NITI Aayog conducted evaluation study on PDMC scheme in year 2021. The study revealed that the scheme is relevant in achieving national priorities such as substantially improving on-farm water use efficiency, enhancing crop productivity, generating employment opportunities etc. The study also revealed that water use efficiency improved around 30% to 70% and productivity increases in the range of 9% to 100% for various crops in different States through adoption of micro irrigation.

Dudhi and Chinki Boras Barrage Irrigation Projects in Madhya Pradesh are being implemented and funded by State Government through Narmada Valley Development Authority (NVDA), an agency of State Government of Madhya Pradesh. The projects envisage providing Micro Irrigation infrastructure at farm gate through Pressurised Piped Irrigation Command (PPIC) System. The State Government initiated the projects on December, 2021 and the project period is for six years. The details of number of villages, project cost, targeted command area and progress, as reported by State Government, for these Irrigation Projects are as follows:

S. No.	Name of Project	Districts	No. of villages	Projected command area (ha)	Total project cost (Rs in crore)	Financial Progress (Rs. in crore)
1	Dudhi Project	Narmadapuram and Chhindwara	184	55410	1774.0	44.0
2	Chinki Boras Barrage	Narmadapuram, Narsinghpur and Raisen	446	131925	5162.49	896.0

(e) & (f): Farmers are willing to adopt micro irrigation because of its benefits such as enhanced water use efficiency and crop yield. However, Micro Irrigation systems involve substantial capital investment. For encouraging farmers to adopt micro irrigation, subsidy of 55% is being provided for small and marginal farmers and 45% for other farmers under PDMC scheme. Further, provision has also been made in operational guidelines of the scheme for providing 90 % subsidy to Forest Rights Act (FRA) Patta holders in States/UTs to encourage them to adopt Micro Irrigation. To facilitate States in mobilising resources for top-up of subsidy over and above PDMC norms and also to undertake innovative projects for Micro-irrigation coverage, Government has created a Micro-irrigation Fund (MIF) with NABARD. States can avail loan from MIF on which Government of India provides interest subvention @ 2% to States. In addition, provisions have been made in operational guidelines of PDMC Scheme to promote water use efficiency in command areas. States/UTs have been instructed to dovetail Pressurized Piped Irrigation Command (PPIC) created under various irrigation projects with PDMC scheme. Besides, fertigation and automation is also being promoted through the scheme to achieve better efficiency.

PDMC is a Centrally Sponsored Scheme implemented under PM-RKVY. All States/UTs including the State of Madhya Pradesh prepare their own State Annual Action Plan for taking up micro-irrigation activities under the scheme as per their priority which is approved by the State Level Sanctioning Committee. Accordingly, the Central Government supports the States/UTs to implement their plan.

The PMKSY has three components namely Accelerated Irrigation Benefit Programme (AIBP), Har Khet Ko Pani (HKKP) and Watershed Development Component (WDC). AIBP and HKPP components are being implemented by Department of Water Resources, River Development & Ganga Rejuvenation and WDC is being implemented by Department of Land Resources, Ministry of Rural Development. AIBP and HKPP are not implemented in the Narmadapuram (Hoshangabad) District. Under WDC-PMKSY 1.0, four projects have been completed in the District covering an area of 19953 ha with total cost of Rs.23.94 crore. During the year 2021-22, two projects have been sanctioned under WDC-2.0 in the District covering an area of 10,330 hectare with a total cost of Rs. 22.73 crore for implementation up to March 2026. As such the State has not reported any challenges during the implementation of WDC-PMKSY 2.0 in the District.
