

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

RAJYA SABHA
UNSTARRED QUESTION NO. 1299
TO BE ANSWERED ON 02/08/2024

SMART IRRIGATION SYSTEM IN TRIBAL AREAS

1299. SHRI DEEPAK PRAKASH:

Will the Minister of AGRICULTURE & FARMERS WELFARE be pleased to state:

- (a) whether Government is aware of the fact that the farmers of Jharkhand especially the farmers belonging to the Scheduled Tribes, are dependent on traditional agriculture practices for which no special facilities are provided by the State Government; and
- (b) if so, whether Government is taking any steps to spread awareness and provide technological or any other assistance of smart irrigation system in tribal areas?

ANSWER

MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

(SHRI RAMNATH THAKUR)

(a) & (b): Government of Jharkhand informed that a large number of scheduled tribe farmers are dependent on agricultural practices and they are being provided all the special facilities under various State and Central Sponsored Schemes like, Subsidized seeds under various schemes is being provided to them out of 14,65,115 no. of farmers registered in Block Chain System in Jharkhand, which included farmers of all 13 TSP districts having a total number of 7,28,415 farmers registered. A large number of tribal farmers are using improved techniques of farming.

Under ATMA, NFSM & RKVY program of Centrally Sponsored Schemes, massive awareness being generated through Kisan mela, Gosthi, Krishak pathshala etc. These activities are under taken in State plan also. Tribal farmers of Jharkhand are also being provided Drip & Sprinkler irrigation system on 80-90% subsidy. The achievement, area covered under PDMC scheme especially in 13 TSP districts is appended below:

Year	Area Covered (in hec)
2023-24	4024.86
2022-23	3888.42
2021-22	3632.24
2020-21	1337.96
2019-20	4185.35

However, Government of India is also promoting organic farming on priority in the country since 2015-16 through the schemes of Paramparagat Krishi Vikas Yojana (PKVY) in all the States including Jharkhand other-than North Eastern States. The scheme stresses on end-to-end support to farmers engaged in organic farming i.e. from training & Capacity Building, production to processing, post-harvest management, certification & marketing.

Under PKVY scheme, a total assistance of Rs. 31,500 per ha for a period of three years is provided for promotion of organic farming to cover different components like Training & Capacity Building, Data Management, PGS Certification, value addition, marketing and publicity. Out of this, the assistance of Rs. 15,000 per ha for a period of three years is provided to farmers through DBT for on- farm /off –farm organic inputs. So far in the State of Jharkhand, 21900 ha area covered and 29289 farmers have been mobilized under PKVY scheme.

Government is also promoting natural farming since 2019-2020 through Bharatiya Prakritik Krishi Paddhati (BPKP) programme of Paramparagat Krishi Vikas Yojana (PKVY) scheme. The scheme mainly emphasizes on exclusion of all synthetic chemical inputs and promotes on-farm biomass recycling with major stress on biomass mulching, use of cow dung-urine formulations and other plant based preparations. Under BPKP, natural farming is being promoted in cluster of 500 ha and Rs. 12200.00 is provided per ha for three years, in which Rs. 2000 is provided as incentives to farmers through DBT. So far in the State of Jharkhand 3400 ha area has been covered and 3425 farmers have been mobilized.

Indian Council of Agricultural Research is engaged in research and promotion of micro irrigation through All India coordinated programmes, consortia platforms and KVKs. It has developed optimum drip irrigation schedules for different crops in different agro-ecological regions of the country. Further, drip fertigation schedules for 24 crops have been developed for efficient use of water, thereby, bringing more area under micro irrigation. ICAR also imparts training, organizes field demonstrations to educate farmers, administrators and other stakeholders on all these aspects.

Further, Government is implementing Centrally Sponsored Scheme of Per Drop More Crop (PDMC) in the Country including Jharkhand from 2015-16. PDMC focuses on enhancing water use efficiency at farm level through Micro Irrigation namely Drip and Sprinkler Irrigation Systems. The PDMC also supports micro level water storage, water conservation/management activities as Other Interventions (OI) to supplement source creation for Micro Irrigation.

From the year 2015-16 to 2021-22, the PDMC was implemented as a component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). From the year 2022-23, the PDMC is being implemented under the Rashtriya Krishi Vikas Yojana (RKVY).

The Micro Irrigation helps in water saving as well as reduced fertilizer usage through fertigation, labour expenses, other input costs and overall income enhancement of farmers. The Government provides financial assistance @ 55% for small and marginal farmers and @ 45% for other farmers for installation of Drip and Sprinkler systems under the PDMC. The status of fund release and achievement of the scheme of PDMC in the State of Jharkhand is given at **Annexure-I**

Fund release and achievement of the scheme of PDMC in the State of Jharkhand

Year	Central Assistance Released to State (Rs in crore)	Area covered under Micro Irrigation (Ha.)
2015-16	14.97	4528
2016-17	30.70	5810
2017-18	25.00	1544
2018-19	10.00	3978
2019-20	22.97	5989
2020-21	42.00	1909
2021-22	30.00	4868
2022-23	25.00	6049
2023-24	32.02	5958
Total	232.66	40633
