

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

**RAJYA SABHA**  
**STARRED QUESTION NO. 1**  
TO BE ANSWERED ON THE 02/02/2024

**IRRIGATION SYSTEM IN JHARKHAND**

\*1. SHRI DEEPAK PRAKASH:

Will the Minister of Agriculture and Farmers Welfare be pleased to state:

- (a) whether Government has conducted any survey in Jharkhand regarding percentage of agricultural land that does not have irrigation system as paddy is the main crop of the State and there is no adequate water system for it;
- (b) if so, the details thereof and the manner in which the dependence on rain could be reduced; and
- (c) Government's response to the damage caused due to monsoon based farming in Jharkhand?

**ANSWER**

MINISTER OF AGRICULTURE & FARMERS WELFARE

(SHRI ARJUN MUNDA)

(a) to (c): A statement is laid on the table of the House.

**STATEMENT REFERRED TO IN REPLY TO PART (a) to (c) OF RAJYA SABHA  
STARRED QUESTION NO. 1 DUE FOR ANSWER ON 02/02/2024**

(a) & (b): As per Land Use Statistics at a Glance 2012-13 to 2021-22 (latest), during the year 2021-22, out of net area sown of 13.8 lakh hectares in Jharkhand, 2.8 lakh hectares was irrigated area and 11 lakh hectares was unirrigated area.

Government of India is implementing Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) since 2015-16 in the country, including Jharkhand with an aim to enhance physical access of water on farm and expand cultivable area under assured irrigation and introduce sustainable water conservation practices. The components of PMKSY are as under:

- (i) Accelerated Irrigation Benefit Programme (AIBP):** This programme is being implemented by the Department of Water Resources River Development & Ganga Rejuvenation (DoWR, RD&GR) with an aim to focus on faster completion of ongoing major and medium irrigation projects including National Projects in the country.

During 2016-17, ninety-nine (99) on-going major/medium irrigation projects were identified as priority projects to be taken up under PMKSY-AIBP. Assured financial assistance was provisioned for these projects under Long Term Irrigation Fund, with borrowings from NABARD. Out of these projects, AIBP works of 54 prioritized projects have been completed and remaining 45 projects are at different stages of implementation.

Subarnarekha Multipurpose Project in Jharkhand is covered under PMKSY-AIBP which is planned to be completed by March 2026. This project is benefitting East Singhbhum, West Singhbhum & Saraikela Kharsawan districts. The target irrigation potential under this project is 2.37 lakh hectares out of which 1.43 lakh hectares has been created up to December, 2023.

Further, after approval of implementation of PMKSY during 2021-2026, eight additional irrigation projects have been included under PMKSY-AIBP from 2021-22 onwards, which are presently under implementation.

- (ii) Har Khet Ko Pani (HKKP):** This scheme is being implemented by the Department of Water Resources River Development & Ganga Rejuvenation (DoWR, RD&GR). HKKP consists of four sub-components, being Command Area Development & Water Management (CAD&WM), Surface Minor Irrigation (SMI), Repair, Renovation and Restoration (RRR) of Water Bodies (WBs), and Ground Water (GW) Development component. The activities undertaken, inter alia, include creation of new water sources through minor irrigation, repair, restoration and renovation of water bodies; strengthening carrying capacity of traditional water sources, construction of rain water harvesting structures etc.

The continuation of PMKSY-HKKP for the FY 2021-22 to FY 2025-26 has been approved by Union Cabinet in December 2021 with a budget outlay of Rs. 4580 crores and targeted irrigation potential of 4.50 lakh-ha for Surface Minor Irrigation(SMI) and Repair, Renovation and Restoration (RRR) of WBs schemes. The

Central Assistance (CA) under both the schemes (SMI and RRR of WBs) is provided in the form of grant which is 100% of the project cost for UTs without legislature. Central Assistance is 90% of the project cost for UTs with legislature and 7 North-Eastern states and Sikkim & Hilly States (Himachal Pradesh and Uttarakhand).

A cluster of 82 number of Surface Minor Irrigation Schemes having estimated cost of Rs. 75.32 crores of Jharkhand were included for Central Assistance in financial year 2014-15. An amount of Rs. 19.38 crore have been released as Central Assistance to the Govt. of Jharkhand. All such irrigation schemes have been completed as reported by the State and an additional area of 8730 hectares has been brought under irrigation.

**(iii) Watershed Development Component (WDC):** This component is being implemented by the Department of Land Resources (DoLR) for development of rainfed/degraded lands in the country. The activities undertaken, inter alia, include ridge area treatment, drainage line treatment, soil and moisture conservation, rainwater harvesting, nursery raising, pasture development, livelihoods for asset-less persons etc.

Under WDC 1.0, out of the 6382 projects, a total of 6372 projects in 27 States and UTs of J&K and Ladakh have been reported to be completed, as on 20.12.2022. The period of WDC-PMKSY 1.0 projects got over in March, 2022. Government of India approved continuation of programme as WDC-PMKSY 2.0 for the period 2021-22 to 2025-26 with a physical target of 49.5 lakh ha and financial outlay of Rs. 8,134 crore, as the Central share. DoLR has till date sanctioned 1149 projects to 28 States and 2 UTs of J&K and Ladakh, including 30 projects in Jharkhand. Under WDC-PMKSY 2.0, during 2022-23 to 2023-24(Q 1), 75023 Water Harvesting Structure (WHS) have been created / rejuvenated, including 477 in Jharkhand and 57255 hectare area have been brought under protective irrigation, including 739 hectare in Jharkhand.

**(iv) Per Drop More Crop (PDMC):** This scheme is being implemented by the Ministry of Agriculture & Farmers Welfare. The PDMC scheme mainly focuses on enhancing water use efficiency at farm level through Micro Irrigation viz. Drip and Sprinkler irrigation systems. From the year 2015-16 to 2021-22, the PDMC was implemented as a component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). During the year 2022-23, the PDMC is being implemented under the Rashtriya Krishi Vikas Yojana (RKVY).

Under the scheme, government provides financial assistance of 55% for small and marginal farmers and 45% for other farmers for installation of Drip and Sprinkler systems under the PDMC. The assistance for installation of Micro Irrigation systems is limited to 5 hectares for beneficiary.

Since launch of PDMC in 2015-16, Central Assistance of Rs. 19351.23 crore has been released and 82.57 lakh hectare has been covered under Micro Irrigation in the country. For Jharkhand central assistance of Rs. 200.64 crore has been released and an area of 34675 hectare has been covered since launch of the scheme.

Further, as a part of Azadi ka Amrit Mahotsav, the Mission Amrit Sarovar has been launched on 24<sup>th</sup> April, 2022 with an objective to harvest and conserve water for future

generations. Under the Mission, every district of the country has been targeted to construct or rejuvenate at least 75 Amrit Sarovars. Under this Mission, 4160 sites have been identified for Jharkhand. The works have completed on 2088 sites out of 2608 sites on which works have commenced.

(c): The State Government is primarily responsible for providing necessary relief measures in the wake of natural calamities. For undertaking relief measures, funds are available with the State Government in the form of the State Disaster Response Fund (SDRF). Additional financial assistance, over and above SDRF, is considered from the National Disaster Response Fund (NDRF) for natural calamities of severe nature and is approved on the basis of Memorandum received from the State Government, in accordance with established procedures.

The Department of Agriculture and Farmers Welfare (DA&FW) provides relief under NDRF to farmers who have lost their crops due to drought, hailstorm, pest attack and cold wave/frost. The financial assistance approved by the Government of India from NDRF to the State Government of Jharkhand in respect of the above said calamities, since 2015-16 is as under:

Financial Year	Calamity	Amount approved by the Government of India (Rs. in crore)
2015-16	Drought (Kharif)	336.94
2018-19	Drought (Kharif)	272.42

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