

**GOVERNMENT OF INDIA
MINISTRY OF RURAL DEVELOPMENT
DEPARTMENT OF LAND RESOURCES**

**LOK SABHA
UNSTARRED QUESTION No. 2010
TO BE ANSWERED ON 11.03.2025**

Implementation of IWMP in Andhra Pradesh

2010. Dr. Byreddy Shabari:

Will the Minister of **Rural Development** be pleased to state:

- (a) whether the Government has assessed the implementation of the Integrated Watershed Management Programme (IWMP) in Andhra Pradesh, particularly in districts of Nandyal constituency, district-wise;
- (b) if so, the details of watersheds developed under IWMP in the State, along with their current status, including infrastructure improvements, soil conservation measures and water resource management initiatives;
- (c) whether advanced technologies such as remote sensing, GIS mapping and water modeling are being used to enhance IWMP effectiveness in developed areas in the State and if so, the specific projects where these have been implemented;
- (d) the details of measures taken to integrate urban areas within the watershed management framework, particularly regarding stormwater management, flood control and green infrastructure development; and
- (e) the steps being taken to ensure community participation, sustainable water use and climate change adaptation in the long-term management of watershed projects in Andhra Pradesh?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF RURAL DEVELOPMENT
(Dr. CHANDRA SEKHAR PEMMASANI)**

(a) & (b) Department of Land Resources, Ministry of Rural Development was implementing Integrated Watershed Management Programme (IWMP) for development of rainfed and degraded areas since 2009-10. Subsequently IWMP was amalgamated as a Watershed Development Component of Pradhan Mantri Krishi Sinchayee Yojana 1.0 (WDC-PMKSY 1.0) in 2015-16. Under this, in Andhra Pradesh, a total of 373 projects including 24 projects in the districts of Nandyal Parliamentary Constituency were funded by Department of Land Resources.

The continuation of the scheme as WDC-PMKSY 2.0 has been approved by Government on 15th December, 2021. Under WDC-PMKSY2.0, Department has sanctioned 59 projects, including 3 projects in Nandyal Parliamentary Constituency, to Andhra Pradesh covering an area of 2.44 lakh hectare. The project period of WDC-PMKSY 2.0 projects is upto March, 2026. All sanctioned WDC-PMKSY2.0 projects are at various stages of implementation.

As per information received from State Government of Andhra Pradesh, three Monitoring, Evaluation, Learning and Documentation (MEL&D) agencies were appointed for third party evaluation and assigned evaluation work of WDC-PMKSY 1.0 (erstwhile IWMP) projects. Further, evaluation of all Centrally Sponsored Schemes (CSS) including WDC-PMKSY1.0 has been carried out by NITI Aayog through M/s KPMG Advisory Services Private Limited.

Under WDC-PMKSY 1.0, as per information received from the Andhra Pradesh, since 2014-15 to 2021-22, about 1.96 lakh water harvesting structures have been created / rejuvenated. An additional area of about 3.06 lakh ha has been brought under protective irrigation. The number of farmers benefited is about 2.86 lakh during the said period.

(c) Remote Sensing and GIS technology was utilized in preparing the Detailed Project Reports (DPR) of 59 projects under the WDC-PMKSY 2.0 sanctioned in 2021. The boundaries of all project areas were mapped using Remote Sensing and GIS tools, and corresponding shape files were created. Furthermore, all agricultural implements distributed and Natural Resource Management (NRM) works executed under WDC-PMKSY 2.0 are being geo-tagged in the Bhuvan Portal of National Remote Sensing Center (NRSC), Hyderabad. Additionally, the projects executed under the WDC-PMKSY 1.0 (erstwhile IWMP) were evaluated by the Monitoring, Evaluation, Learning, and Documentation (MEL&D) agencies using Remote Sensing and Geographic Information Systems (GIS).

(d) As per information received from State Government of Andhra Pradesh, priority is being given to dry land and rain-fed areas of rural regions in the identification of watershed projects. Until now, State has not received any watershed project proposal from urban areas.

(e) To ensure community participation, sustainable water use, and climate change adaptation in the long-term management of watershed projects in Andhra Pradesh, the State Level Nodal Agency (SLNA) through the Institution & Capacity Building (I&CB) component has organized Kalajathas, rallies, distributed brochures, and conducted various awareness programs on watershed activities to mobilize community participation among rural residents in the project area. Public awareness campaigns were carried out in the watershed project areas through Watershed Committees. Agricultural University Scientists provided crop-specific and area-specific training to farmers within the project area. At the project's initial stage, SLNA has prepared Micro Watershed-wise Participatory Net Planning (PNP) with the involvement of Watershed Committee members, Self-Help Groups (SHGs), progressive farmers, and Farmer Producer Organizations (FPOs). According to the PNP, the Soil and Water Conservation (SMC) and Water Harvesting Structures (WHS) works were executed in the watershed project area.

Further, to promote awareness and encourage people's participation in watershed development activities under the WDC-PMKSY 2.0 scheme, a nationwide Watershed Yatra campaign including Andhra Pradesh has been launched by Hon'ble MoRD on 5th February, 2025 under "Community Driven Approach (Jan Bhagidari)".

These efforts are expected to yield long-term benefits in soil and water conservation, sustainable water usage, reduced fallow land, increased agricultural land, expanded water bodies, elevated groundwater levels, and enhanced double cropping or year-round cropping area etc.
