Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

Prelims: *Current events of national and international importance | Government policies and Interventions*

Why in News?

Recently, World Day to Combat Desertification and Drought were celebrated across 813 project areas under WDC–PMKSY 2.0, highlighting nationwide efforts in sustainable watershed development.

- **Aim –** To enhance farm-level water efficiency through ***micro-irrigation (drip and sprinkler systems).***
- Supported by micro-storage, conservation, and management activities to supplement water sources and strengthen irrigation sustainability.
- **Type –** ***Centrally Sponsored Scheme*** (Cost is split between the Centre and states, Centre sponsors 100% of funding for Union Territories).
- **Nodal Ministry –** Ministry of Agriculture & Farmers Welfare, however it is an umbrella scheme involving other ministries. (Ministry of Jal Shakti and Ministry of Rural Development).
- **Implementing Agency –** State Agriculture Department.
- **Launched in –** July 2015.

Key Features

- **Efficiency –** Expand micro-irrigation (drip/sprinkler) to save water and boost crop yield with optimal water usage.
- **Coverage –** Promote micro-irrigation technologies in water-intensive/consuming crops (sugarcane, banana, cotton) and extend to field crops and use them to promote fertigation.

  Fertigation is the agricultural practice of injecting water-soluble fertilizers and nutrients directly into an irrigation system

- **Water-scarce Areas –** Link tube-well / river-lift irrigation projects with micro irrigation technologies for the best use of energy both for lifting and

pressurized irrigation
- **Integration –** Converge with schemes, solar energy, modern tech for their potential use.
- **Protective irrigation –** Harnessing rainwater at the micro level through Jal Sanchay and Jal Sinchan.

Jal Sanchay (Water Conservation) and Jal Sinchan (Irrigation) are two complementary pillars of water management in India.

4 components of PMKSY

- **Accelerated Irrigation Benefit Programme (AIBP) –** Speed up completion of delayed major/medium irrigation projects to expand irrigation potential.
- **Har Khet Ko Pani (HKKP) –** Ensure assured irrigation by creating new sources, repairing/restoring water bodies, and groundwater development.
    - **Command Area Development & Water Management (CADWM) –** Improve command area development and water management.
    - **Surface Minor Irrigation (SMI) –** Promote surface minor irrigation.
    - **Repair, Renovation and Restoration of water bodies (RRR) –** Repair, renovate, and restore water bodies.
- **Per Drop More Crop (PDMC) –** Focus on micro-irrigation (drip/sprinkler), micro-storage, efficient conveyance, and precision irrigation for water use efficiency.
- **Watershed Development –** Promote sustainable water conservation, rainwater harvesting, groundwater recharge, and soil conservation to boost productivity in rainfed areas.

Watershed Development Component (WDC)–PMKSY 2.0

- To promote soil and water conservation, restore degraded lands, and enhance the resilience of rainfed agriculture through sustainable watershed development interventions.

References

1. PIB | PMKSY
2. Myscheme | PMKSY

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