Modernization of Command Area Development and Water Management

Prelims – *Economic and Social Development-Sustainable Development.*

Why in News?

The Union Cabinet recently approved the Modernization of Command Area Development and Water Management (M-CADWM) as a sub-scheme of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) for the period 2025-2026.

- **Aim** - Modernization of the irrigation water supply network to supply of irrigation water from existing canals or other sources in a designated cluster.
- **Micro irrigation facilitation** - It will make robust backend infrastructure for micro-irrigation by farmers from established source to the Farm gate upto 1 Ha with underground pressurized piped irrigation.
- **Use of technology** - Supervisory Control and Data Acquisition (SCADA), Internet of things technology will be used for water accounting and water management.
- **Irrigation Management Transfer (IMT)** - Water User Society (WUS) will manage Irrigation assets.
- The Water User Societies will be linked with existing Economic Entities like FPO or PACS for five years.
- **Benefits** - This will increase the Water Use Efficiency (WUE) at the farm level, increase agriculture production & productivity; and thereby increase the income of farmers.

Command Area Development And Water Management (CAD&WM) Programme

• The programme was launched in 1974-75.
• It is being implemented under Pradhan Mantri Krishi Sinchai Yojna (PMKSY) - Har Khet Ko Pani from 2015-16.
• The ongoing CADWM programme has now been restricted to implementation of CAD works of 99 prioritized Accelerated Irrigation Benefits Programme (AIBP) projects.
• **Components of CADWM Programme**
• **Structural Intervention**
- On-Farm Development (OFD) works;
- Construction of field, intermediate & link drains;
- Correction of system deficiencies; and
- Reclamation of waterlogged areas.
• **Non-Structural Intervention** - Activities directed at strengthening of Participatory Irrigation Management (PIM) including:
- One time Functional Grant to the registered Water Users' Associations (WUAs);
- One time Infrastructure Grant to the registered WUAs;
- Trainings, demonstration

Reference

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