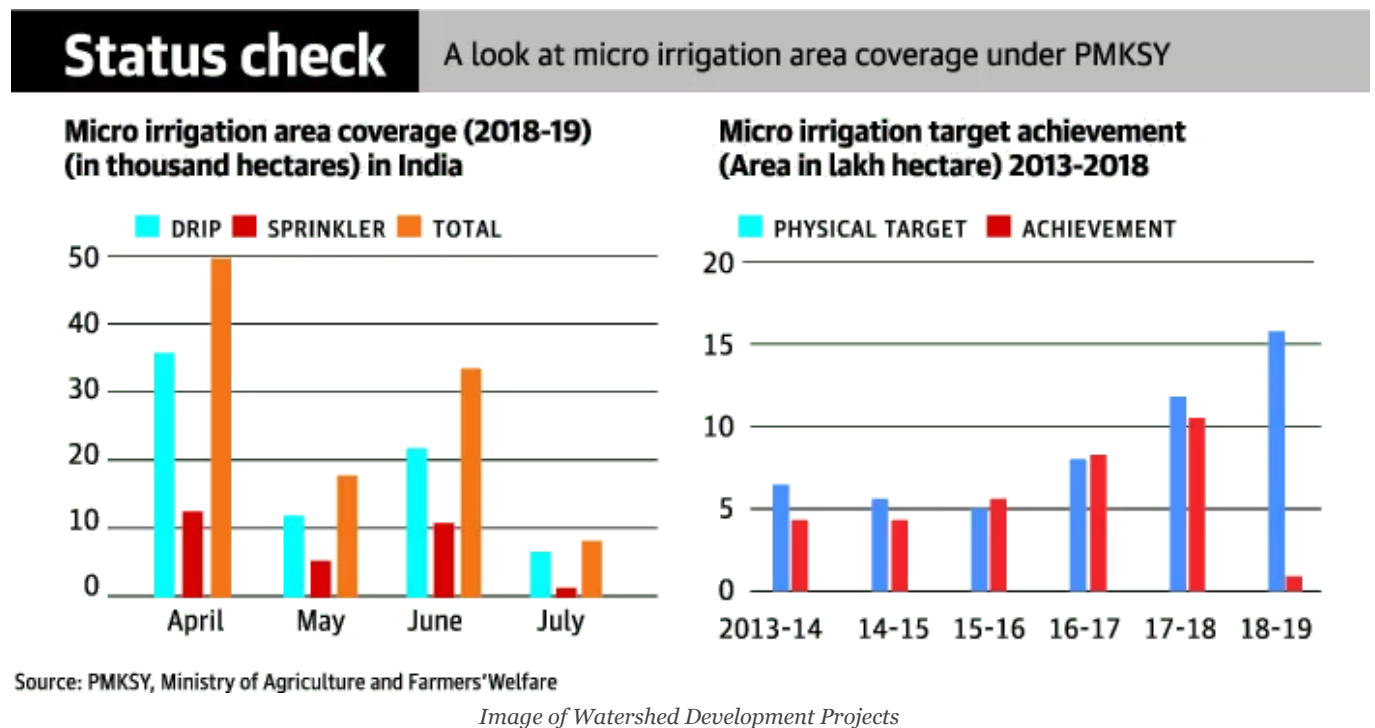


# Watershed Development Projects and Pradhan Mantri Krishi Sinchai Yojana: in Detail (Download PDF)

(September 19, 2018)

According to Parliamentary Standing Committee (PSC) report on Rural Development, watershed development projects lagging behind badly (only 10 % of projects complete). At the same time watershed development is vital component of Pradhan Mantri Krishi Sinchai Yojana (PMKSY).



## Watershed Management

- Watershed is area that separates water flowing into rivers or basins.
- Management of watershed involves rational utilization of land & water resources, thru preventing soil run-off, increasing productivity of crops, rain water harvesting & recharging of ground water tables.

## Pradhan Mantri Krishi Sinchai Yojana (PMKSY)

- Pradhan Mantri Krishi Sinchai Yojana (PMKSY) was launched in 2015 - 16 w/objectives to enhance physical access of water on farms; expand cultivable area under assured irrigation; improve water use efficiency in agriculture & introduce sustainable conservation practices.

### **Scheme has subsumed 3 erstwhile schemes of 3 diff. ministries:**

- Accelerated Irrigation Benefit Programme of Ministry of Water Resources
- Integrated Watershed Management Programme of Ministry of Rural Development
- Farm water management component of National Mission on Sustainable Agriculture.

After subsuming above schemes, new scheme was launched under Ministry of Agriculture & Farmers' Welfare.

In 2016, ministry of water resources was once again made nodal ministry for this scheme. Currently, scheme is being implemented under Water Resources Ministry.

### **Objectives of Pradhan Mantri Krishi Sinchai Yojana (PMKSY)**

Broad objectives of PMKSY are:

- Converge investments in irrigation at farm level & provide end-to-end solution
- **Har Khet Ko Pani:** Enhance physical access of water on farm & expand cultivable area under assured irrigation
- Integration of source, distribution, efficient use of water thru appropriate technology & practice
- Enhance adoption of precision-irrigation & other water saving technologies under More Crop Per Drop.
- Promotion of micro-irrigation in form of drips, sprinklers, pivots, rain-guns in farm (Jal Sinchan)
- Enhance recharge of aquifers; promote sustainable water conservation
- Ensure integrated development of Rainfed areas
- Water harvesting, water management & crop alignment, explore feasibility of reusing treated municipal waste water for peri-urban agriculture & attract greater private investments in irrigation.

### **Components of Pradhan Mantri Krishi Sinchai Yojana (PMKSY)**

PMKSY has following 4 components:

#### **Accelerated Irrigation Benefit Programme (AIBP)**

- This focuses on faster completion of ongoing Major, Minor & Medium Irrigation including National Projects.

#### **Har Khet Ko Pani**

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- This component mainly focuses on creation of new water sources thru minor irrigation that includes both surface & groundwater.
- It also encompasses repair, restoration & renovation of water bodies; strengthening carrying capacity of traditional water sources, construction rain water harvesting structures under its Jal Sanchay sub-component.
- Other things includes are:
  - Command area development w/creation of distribution network from source to farm
  - Ground water development in areas where it is abundant, so that sink is created to store runoff/flood water during peak rainy season.
  - At least 10 % of command area to be covered under micro/precision irrigation.
  - Diversion of water from water abundant to nearby water scarce areas
  - Creating & rejuvenating traditional water storage systems like Jal Mandir (Gujarat); Khatri, Kuhl (H. P. ); Zabo (Nagaland); Eri, Ooranis (T. N. ); Dongs (Assam); Katas, Bandhas (Odisha and M. P. ) etc. at feasible locations.

### **(Micro-Irrigation) Per Drop More Crop**

- This component promotes efficient water conveyance & precision water application devices like drips, sprinklers, pivots, rain-guns in farm (Jal Sinchan).
- It focuses on construction of micro-irrigation & storage systems.

### **Watershed Development**

- This component focuses on effective management of runoff water & improved soil & moisture conservation activities such as ridge area treatment, drainage line treatment, rain water harvesting, in-situ moisture conservation & other allied activities on watershed basis.

### **Implementation of Pradhan Mantri Krishi Sinchai Yojana (PMKSY)**

- PMSKY works on Project mode. Planning & execution is decentralized.
- Cornerstone of planning & implementation of PMKSY are District Irrigation Plans (DIPs). This DIP will identify gaps in irrigation infrastructure of district. DIP can be prepared on 2 levels viz. Block & District.
- DIPs will be vetted by Governing body of Zila Panchayat & subsequently be incorporated in State Irrigation Plan (SIP).
- SIP is consolidation of DIPs & it also takes into consideration State Agricultural Plans created under Rastriya Krishi Vikas Yojana.

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- PMKSY projects would be scrutinised by State Level Project Screening Committee (SLPSC) & sanctioned by State Level Sanctioning Committee, which is already set under Rashtriya Krishi Vikas Yojana.
- State agriculture department would be nodal agency for implementation of PMKSY projects w/inter-ministerial National Steering Committee (NSC) for periodic review of same.
- Funds under PMKSY will be allocated only if state govt. has prepared district irrigation plans & state irrigation plans.
- PMKSY funds would be given to states as 75 % grant by central govt. & remaining 25 % share is to be borne by state govt. But, for north-eastern region & hilly states, funding pattern would be 90%.

## Change of Ministry

- Ministry of Water Resources was initially nodal department for implementing programme, but responsibility was later shifted to agriculture department.
- But since most big projects & dams are under Ministry of Water Resources, PMKSY was once again shifted to Water Resources Ministry in 2016.

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