

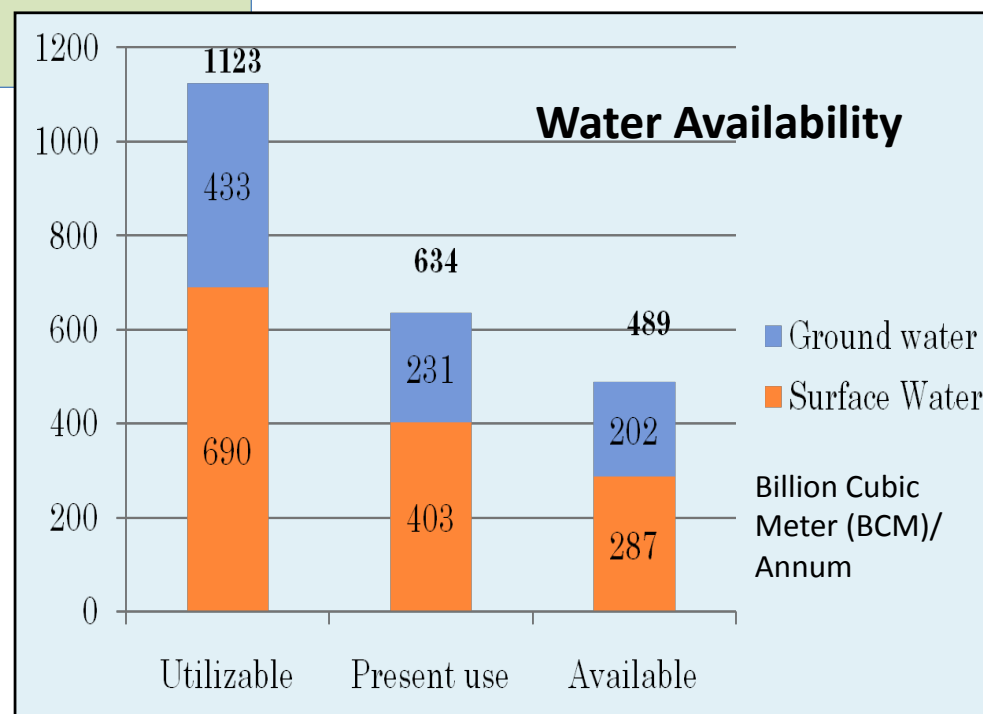
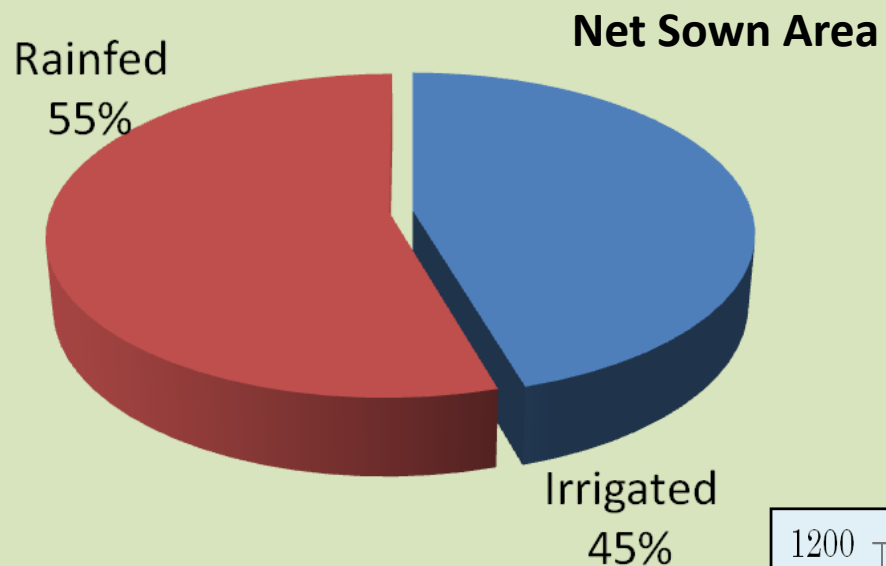
Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)

Har Khet Ko Paani



Department of Agriculture and Cooperation
Ministry of Agriculture
Govt. of India
2014

Current Status



Window of Opportunity

- Only about **20% of rainfall** is utilised.
- **10% increase** in irrigation efficiency can bring additional **14 million ha** under assured irrigation.
- **202 billion cubic meter** of ground water potential is still to be tapped

Expected Benefit

| Sl | States | Net Sown Area (million ha) | Productivity (tonnes/ha) | Coverage under irrigation (%) |
|----|--|-------------------------------|-----------------------------|----------------------------------|
| 1 | Punjab, Haryana, UP | 24.3 | 3.0 | 84 |
| 2 | AP, Gujarat, TN, Karnataka, MP, Bihar, Uttarakhand | 58.1 | 2.0 | 45 |
| 3 | Assam, Maharashtra, Chhattisgarh, Jharkhand, Orissa, West Bengal | 35.7 | 1.6 | 25 |

Need for Gap Filling

Water
Sources

Distribution

Management

**Accelerated
Irrigation Benefit
Programme (AIBP)
Integrated
Watershed
Management
Programme
(IWMP),
MGNREGS, NMSA**

**Command Area
Development
(CAD)**

**National Mission
for Sustainable
Agriculture
(NMSA) : Drip-
sprinkler irrigation,
Moisture
conservation**

Fragmented approach rather than 'end to end' solution

Need for convergence

Water
Sources

Distribution

Management

For achieving the goal of bringing irrigation water to every farm, there is need to converge all ongoing efforts and to bridge the gaps through location specific interventions.

Vision

Strategy

Outcome

***Access to
Irrigation to
every farm
(Har Khet
ko Pani)***

Increase gross irrigated
area

**More crop per
drop**

Bridging the gap
between irrigation
potential & utilisation

**Enhanced Farm
productivity**

Creating/Strengthening
Water distribution
network

Rural Prosperity

Enhance water use
efficiency &
Management

Focus: End to End Solution to Irrigation Supply Chain

Strengthening Irrigation Supply Chain

Water Sources

- Creation, repair & restoration of water sources

Distribution Network

- Developing/Strengthening distribution network for bringing water to farm

Farm Level Management & Water Use Efficiency

- Promoting water efficient technologies
- Encouraging community irrigation management

Focus: End to End Solution to Irrigation Supply Chain

Strengthening Irrigation Supply Chain

Water Sources

- Rain water harvesting /Micro storage e.g. ponds/tanks.
- Community water tanks/check dams.
- Secondary storage structures (Diggee)
- Groundwater sources-Dug wells/Tube wells
- River lift irrigation
- Cement Nala Bund, Kolhapuri Gate

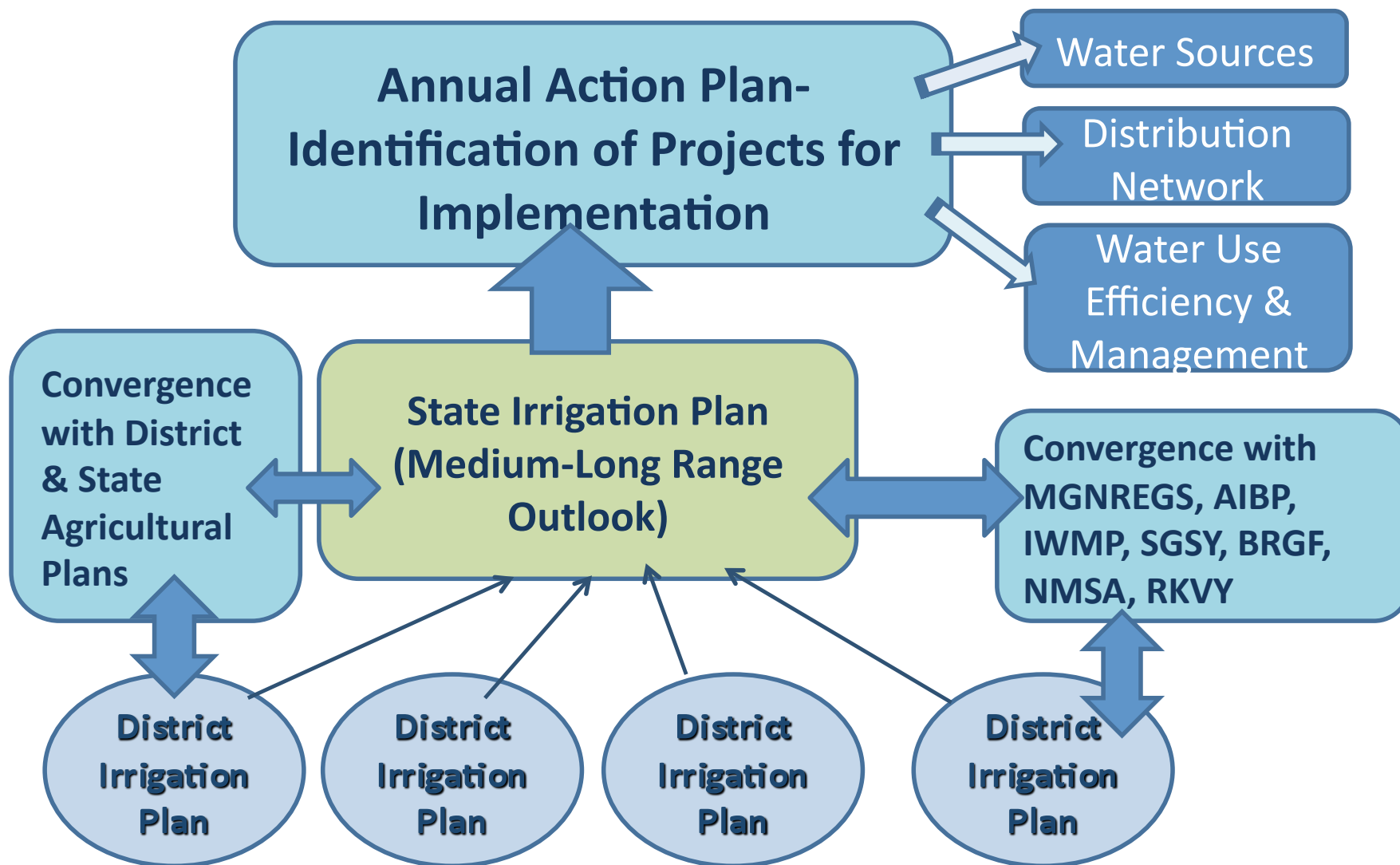
Distribution

- Command Area Development
- Underground pipe conveyance system

Water Use Efficiency

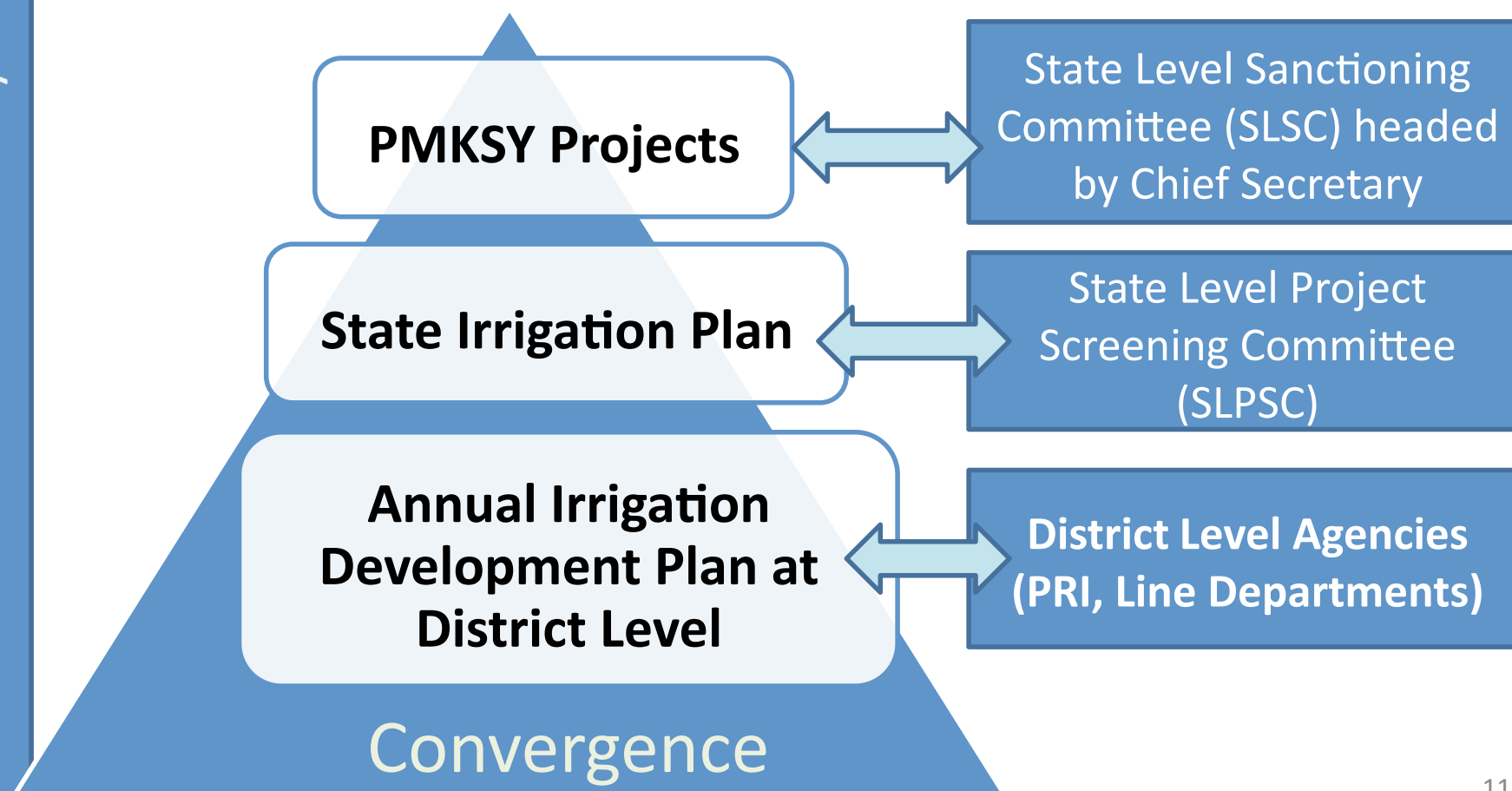
- Drip & Sprinkler System;
- Cropping alignment, on-farm development
- Efficient and energy saving (e.g. solar powered) water lifting devices

Decentralized State level planning & Convergence Model



Programme Design

States to have complete flexibility & autonomy to select & implement projects based on local needs & availability of resources



Incentivizing States through PMKSY

Dynamic annual fund allocation methodology mandating States to allocate more funds to irrigation sector to access PMKSY funds

Eligibility Criteria

- ☐ State and District Irrigation Plans are in place
- ☐ Sustained increase in expenditure on irrigation sector in State Plan.

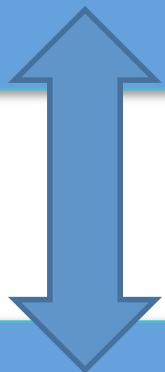
Inter State Allocation

- ☐ Share of percentage of unirrigated area in the State vis-à-vis National average;
- ☐ Increase in percentage share of expenditure on Irrigation and related activities in State Plan expenditure in the previous year over the three years prior to it.

NB: Additional Criteria could be in terms of expenditure on irrigation, micro irrigation etc.

Institutional Framework

National
Level



State Level

National Steering Committee (NSC) at Dept. of Agriculture & Cooperation with members from Ministry of Water Resources, Ministry of Rural Development, Ministry of Finance, Ministry of Environment & Forest, Dept. of Land Resources etc. and representatives of State Governments for periodic review and to provide strategic direction to programme implementation



State Level Sanctioning Committee (SLSC) with participation from relevant State Departments of Agriculture, Irrigation, Water Resources, Rural Development, Forest, Soil Conservation etc.

Summing Up

Rural Prosperity

More Crop Per Drop



Enhanced
Productivity

Irrigation to
every farm

PMKSY Projects
to fill resource
gap in Irrigation
Chain

Holistic
Irrigation Plans
at District &
State Level

**Bottom Up Approach with
complete autonomy to States in
Planning & Implementation**