

# **An overview of National Drinking Water Security Pilot Projects**

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**T.M. Vijay Bhaskar  
Joint Secretary Water  
Ministry of Drinking Water and Sanitation**

# Different Dimensions of water security

Addressing different dimensions of water security  
i.e.

1. Unit of Management- District, Block, or Panchayat
2. Rural to Urban transitions and disparities- minimum tariffs and standards
3. Issues of agricultural power subsidies and energy component in drinking water to enable appropriate pricing and recovery
4. Conjunctive storage in aquifers and rainwater harvesting systems, and
5. Demand and Supply side management of water

# About the pilot projects

- The program aims at conducting Pilots on **convergent action for sustainability and GP level monitoring** and management of water resources to achieve Drinking water security in selected over exploited blocks of the states.

# Objective of the Pilot Projects

- The program aims at conducting Pilots on **convergent action for sustainability and GP level monitoring** and management of water resources to achieve Drinking water security in selected over exploited blocks of the states.
- **Objective** is achieving drinking water security in a holistic manner, through a four pronged approach of
  - **Source Sustainability Plans** - Measures for source sustainability through convergence with MNREGS, IWMP, and other Watershed programmes and NRDWP
  - **Participatory integrated water resources management** - led by Gram Panchayats
  - **Drinking water security plans** prepared by villages.
  - Making the selected villages **open defecation free** and ensuring proper solid and liquid waste management

# Financing for the pilots

- **Financing for the hardware**(i.e. sustainability structures, water supply schemes) costs of the pilots will come from the existing allocations under the NRDWP Sustainability component, and MNREGS funds.
- **Software costs of awareness generation, capacity building, Support Organization costs, community monitoring and equipment** will be met from NRDWP Support component

# Implementation of Pilot Projects

Three-pronged approach in the pilots shall be

- Preparation and implementation of a Sustainability plan through convergence. Guidelines for convergence under District planning, MNREGS, watershed programs and BRGF will be used
- Community led water resource management and water quality monitoring and surveillance through awareness generation, capacity building and handholding of the Gram panchayats and communities, and
- Planning for Drinking water Security

Implementation will be through Village Water and Sanitation Committees (VWSC)s, RWSS Departments, Block Resource Centres (BRCs) and District Water and Sanitation Missions (DWSMs)

## Implementation of Pilot Projects - 2

- Formation of a Steering Committee chaired by Secretary- MDWS, consisting of representatives from Ministry of Rural Development, Ministries of Water Resources, Ministry of Agriculture, Planning Commission, CGWB, NRSC, APFAMGS, Tarun Bharat Sangh, World bank, and WSP-SA, to follow up on the progress and advice every 6 months

# Methodology for the pilot program

## Phase-1: Preparatory Phase

1. Identification of blocks
2. Identification and hiring of reputed NGO's as Support Organisations in each state to provide support to GPs, VWSCs, and communities in the pilots, and to work on developing capacity building plans, and water security plans.



# Methodology for the pilot program -2

## Phase-1: Preparatory Phase

- Preparation of Sustainability plans by
  - Obtaining baseline data from CGWB, NRSC, and Ministry of Water Resources, including nature of aquifers, and the surface water resources, including rainfall pattern for each block, and pattern of water use to enable water budgeting and analyze the same.
  - Design training modules for surface water management including rainwater harvesting based on TBS (Tarun Bharat Sangh) model, and other successful water harvesting initiatives
  - Concerned area officers of MDWS, CGWB and WSP to guide the selected block level staff in developing Sustainability plans

# Methodology for the pilot program -3

## Phase-2: Capacity Building , Surveys and Analyses

### Phase-2:

- Awareness generation and training activities on data collection and analysis of groundwater data by NGO working as Support Organization,

# Methodology for the pilot program -4

## Phase-2: Capacity Building , Surveys and Analyses

- Review and assessment of efficiency and effectiveness of the existing water supply systems.
- Using HGM maps on a GIS platform/template for each block incorporating all the relevant themes.
- Develop village/block level water security plans with active participation of the community

# Methodology for the pilot program -5

## Phase-2: Capacity Building , Surveys and Analyses

- Identify variables to create an index for benchmarking and rating of blocks/districts in terms of water scarcity and availability and quality of drinking water service delivery

# Methodology for the pilot program -6

## Phase-3: Implementation of the plans

- The implementation of the Sustainability plans will be done by the respective VWSCs with support from BP/BRC, ZP/DWSM, state rural water supply departments and other organizations as appropriate.

# Methodology for the pilot program -7

## Phase-4: Monitoring improvements

- VWSC, and GP members and villagers will be trained and empowered to monitor the improvements.
- For external monitoring and evaluation, the working group may entrust each block to agencies like CGWB, NUH, and CAZRI
- The BRC/DWSSM and /or state PHED will assist and support VWSC/GP in this phase
- CGWB and CAZRI will provide technical guidance.

# Outputs envisaged

- Demonstration of three pronged approach of convergence of MNREGS, Watershed programs, and NRDWP for source sustainability, community monitoring, and management of water resources.
- Sustainability plans developed and implemented through convergent action
- Village water security plan developed and implemented in pilot hydrological units useful in developing planning guidelines/templates for other areas.

# Outputs envisaged-2

- Information on actual costs in investments, capacity building and training that can be used as a benchmark for future planning and upscaling.
- Agreement on the institutional framework (roles and responsibilities) and fund flows to operationalise the approach.
- Training module that can be scaled up



# Roles and responsibilities

<b>Responsible Agency</b>	<b>Role</b>
<b>MoDWS</b>	Strategic management of the pilot through setting up and chairing a National Working Group, identification of the district/ blocks, necessary guidance to States, Districts and Blocks
<b>State Government/PHED</b>	Identify the blocks/hydrological units, issue necessary GO, Identify and entrust Support Organisations, implement Pilot Programs, in their blocks
<b>CGWB/CAZRI</b>	Technical support and monitoring
<b>Support Organization (NGO)</b>	Training, capacity Building and continued support to empower GPs, VWSCs, and villagers
<b>DORD, DOLR, MoWR, and MoAgri</b>	Ensure convergence of funds at the local level, Technical support and facilitation
<b>WSP-SA</b>	Technical Support

**Thank you**