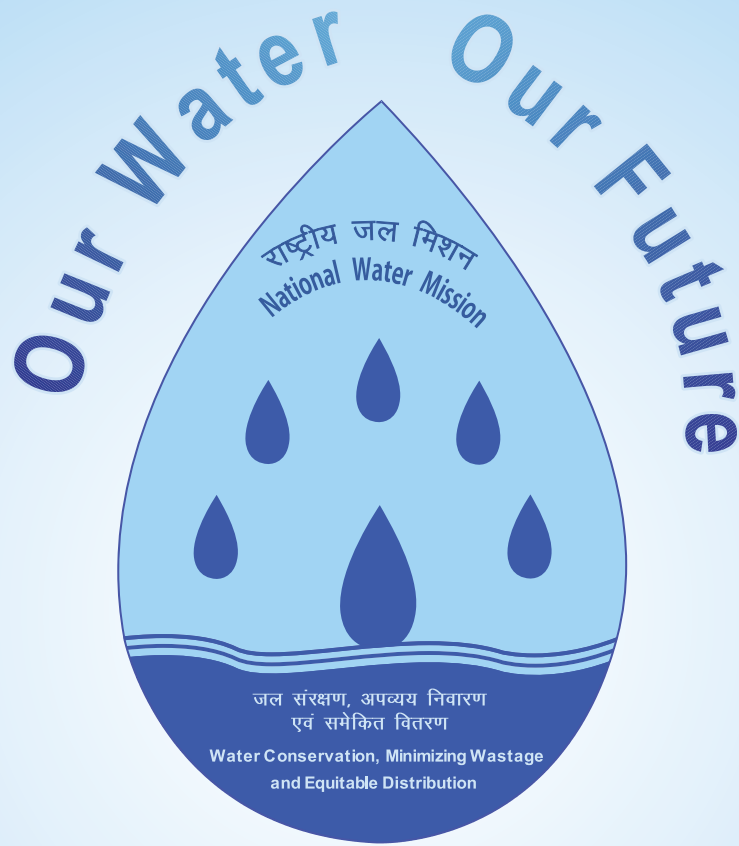


NATIONAL WATER MISSION



Ministry of Water Resources,
River Development & Ganga Rejuvenation
Government of India

LET'S
SAVE
THE WATER
TOGETHER





01 Comprehensive water data base in public domain and assessment of the impact of climate change on water resources



02 Promotion of citizen and state actions for water conservation, augmentation and preservation

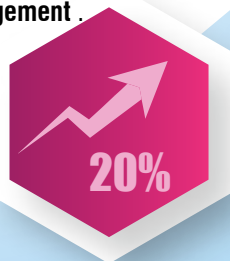


OBJECTIVE

Conservation of water, minimizing wastage and ensuring its more equitable distribution both across and within States through integrated water resources development and management .



03 Focused attention to vulnerable areas including over-exploited areas



04 Increasing water use efficiency by 20%



05 Promotion of basin level integrated water resources management

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GOAL 1



Comprehensive water data base in public domain and assessment of the impact of climate change on water resources

- NWM has a web portal with database of surface water and Ground water. Surface water data provided by Water Resources Information System (India WRIS), GIS based data and hydrological data including, discharge, silt and water quality parameters as recorded by the CWC Hydro- Meteorological Stations are also made available in public domain. Similarly, the ground water level and water quality data of Central Ground Water Board (CGWB) is made available on this portal. An aquifer Atlas and Litho-log details of 6 states is also made available in public domain in our portal
- Management Information System (MIS) is also being developed and will be available in the Web Portal
- A real time online water management system is being considered for Narmada basin on a pilot basis with the support of a US based company
- Several R&D studies on the impact of climate change on water resources are conducted by various premier research institutes like IIT and NIT covering Luni, Mahanadi, Mahi, Sabarmati, Subarnarekha, Sutlej and Tapi River basins. These RD studies are funded under the Indian National Committee on Climate Change



GOAL 2



Promotion of citizen and state actions for Water conservation, Augmentation and Preservation

- To create mass awareness and build capacities. NWM has issued guidelines for supporting HRD/Training/Capacity Building/Mass Awareness programmes and are available on the website
- Conducted training and capacity building programmes through WALMIs and other reputed training institutes. Periodically conducting regional Conventions of Water Users Associations (WUA)
- Documenting and disseminating existing good practices and literature on water conservation, we are developing films on region wise best practices
- Interacting and encouraging corporate sectors/industries to take up, support and promote water conservation activities as part of their corporate social responsibility (CSR)
- NWM engaged TISS to empanel creditworthy NGO's across the country



GOAL 3



Focused attention to vulnerable areas including over-exploited areas

- As part of one of the strategies Intensive Programme for Ground Water Recharge for Over Exploited and Critical Areas, all the 18 States/UTs having over exploited blocks have been requested to prepare State wise implementation plans for rain water harvesting and artificial recharge of ground water based on the Master Plan of CGWB for both rural and urban areas. Out of this, 9 States have been requested to prepare DPR for at least two overexploited blocks identified by CGWB for implementation
- The Asian Development Bank has undertaken Operational Research to Support Mainstreaming of Integrated Flood Management under Climate Change in flood prone areas of Burhi-Gandak and Bramhani-Baitarni river basins
- To promote water Purification and Desalination, installation of desalination plants based on the innovative technology developed by CSIR-Central Salt and Marine Chemicals Research Institute, Gujarat is underway in the Coastal States of Gujarat, Tamil Nadu and Andhra Pradesh where ground water has become brackish/saline due to over-exploitation
- Interacting with WWF (one of our lead NGO's) for working towards Conservation and preservation of wetlands



A scoping meeting was convened with water experts from the lead and field NGOs in the Country recently in Ambedkar International Centre, New Delhi

- Arghyam, which launched the India Water Portal, as a knowledge sharing initiative, is on board with NWM and formal MOU to work together is being signed.
- To further address the issue of overexploited blocks 7 regional workshops across India are being held



GOAL 4



Increasing water use efficiency by 20%

- One of the Strategies is to set up Bureau of Water Use Efficiency similar to the Bureau of Energy use efficiency. The proposal is being revived and NWM is hopeful to set it up during this FY
- NWM awarded 26 Base Line studies covering 6 States for improving water Use Efficiency in irrigation sector. These Major-Medium Projects are being implemented by North Eastern Regional Institute of Water and Land Management (NERILWALAM), Assam, Water and Land Management Training and Research Institute (WALMTARI), Hyderabad, Water and Land Management Institute (WALMI), Aurangabad
- For enhancing industrial water use efficiency in India, NWM have taken up scoping studies through The Energy and Resources Institute (TERI) by undertaking comprehensive water audit/ benchmarking in two industrial sectors i.e. Thermal power plants & textile industries in phase 1 and soon be taking up in other Industries
- A Demonstration/ pilot project on Grey water to blue water has been undertaken for Natural Treatment Techniques for Transforming Wastewater into Sustainable Useable Water by the Nation Institute of Hydrology, (NIH), Roorkee in collaboration with IIT, Bombay and Uttarakhand Jal Sansthan (UJS), Government of Uttarakhand, Dehradun
- For developing standards in respect of improving water use efficiency in domestic appliances, NWM in collaboration with Bureau of Indian Standard (BIS) is working on efficiency labelling Standards for house hold appliances like Washing Machine etc



GOAL 5



Promotion of basin level integrated water resources management.

- Every State and UT Governments is being supported to formulate a State Specific Action Plan (SSAP) on Water at Basin level for sustainable development and management of its water resources by linking with the respective State Action Plan for climate change
- NWM has taken an initiative to bridge the critical governance gap through an institutional mechanism of State water budgeting on lines similar to that of financial budgeting. NWM developed a common template for-water budgeting to be filled in by the State governments as a part of their State specific Action Plan for water sector. The water budgeting in the SSAP needs to be formulated based on scientific assessment of the supply and demand side of water resources
- NWM conducted National Inception workshops to build capacities of the State Govts in formulating the State Specific action plans in Kolkata, Nagaland, Pune Bhubaneswar, Hyderabad, Gangtok and last one will be conducted soon in Shimla
- As a part of the strategy to achieve this goal, NWM is also working on the Revision of the National Water Policy and it is expected to release during the India Water Week



Hon'ble Minister of State for Water Resources, RD & GR, Shri Arjun Ram Meghwal addressing the participants of SSAP Pune workshop