

# **Ensuring access to clean water and sanitation in rural areas - Transforming to Water Sufficient Village and Clean & Green Village**

**Department of Drinking Water & Sanitation**  
**19<sup>th</sup> October, 2022**

# Sustainable Development Goal - 6



*“Ensuring inclusive access to clean water and sanitation facilities—is of paramount importance as it is closely associated with health, in terms of water-borne infections and hygiene-related diseases”*

# SDG-6 : DDWS initiatives for Water & Sanitation activities in villages



Har Ghar Jal  
Jal Jeevan Mission

## SDG 6.1

Universal and equitable access to safe and affordable drinking water

- **10.38 Crore** rural household connections provided
- **7** States/ UTs, **123** Districts and more than **1.61 lakh** villages have become 'Har Ghar Jal'
- Tap water supply to every rural household by 2024

## SDG 6.2

Adequate and equitable sanitation for all

- Open Defecation Free (ODF) India dedicated to Mahatma Gandhi on his 150<sup>th</sup> birth Anniversary on 2nd October, 2019
- 11 Crore toilets constructed
- 711 districts declared themselves as ODF

## SDG 6.3

Improvement of water quality through reduction of water pollution

- Total 775 water quality labs accredited for water testing and opened to general public
- In every village, 5 women being identified and trained for FTK training

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## SDG 6.4

Increase of water use efficiency across sectors and reduce number of people suffering from water scarcity

Providing 55 LPCD water to rural household through Functional Household Tap Connection

## SDG 6.5

Implementation of integrated water resource management at all levels

Rejuvenation of water Bodies and emphasis on source sustainability

## SDG 6.6

Protect and restore the health of water-related ecosystems

- Swachh Jal Se Suraksha
- Reduction in Infant Mortality

# SDG-6 : DDWS initiative for Water & Sanitation activities in village



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## SDG 6.a

International cooperation & capacity building in developing countries through wastewater treatment, desalination, recycling & reuse technologies, etc.

## SDG 6.b

Participation of local communities for improvement of water and sanitation

- Co-operation from Development Partner like UNICEF, Water aid in capacity Building

- Preparation of GPDP with integration of Village Action Plan
- Active Participation of VWSC/ pani samiti in the management of public water and sanitation installations in the village

# Jal Jeevan Mission



- Jal Jeevan Mission envisioned to provide safe and adequate drinking water to all rural households through tap connections by 2024;
- Provide assistance and facilitation to States and UTs in relation to water supply strategy and Gram Panchayats in rural community in village water supply system;
- Providing tap water connection to every rural household, schools, AWCs, PHC, etc.;
- Development of in-village piped water supply infrastructure;
- Providing long-term sustainability of water supply system;
- Technological interventions for removal of contaminants where water quality is an issue;
- Greywater management.

# Gram Panchayat Development Plan ( GPDP) for Water & Sanitation



Gram Panchayat Development Plan (GPDP) prepared for rural economic development taking input from Village Action Plan(VAP).

## Water supply

- Long-term sustainability of drinking water supply schemes which includes augmentation of existing sources, creation of new sources
- Provision of piped water supply for drinking, handwashing and use in toilets in public institutions
- Bringing water from a nearby surface source, bore well, in-village distribution network, overhead tank (ESR), sump
- Greywater treatment and its reuse viz. stabilization pond and associated infrastructure
- Operation & maintenance of drinking water supply and greywater management systems
- Provision of household tap water connection to any household that may have been left out during water supply scheme implementation
- Water recycling and creation of water recharging structures/ mechanism

## Sanitation

- Toilets in public institutions like schools, AWCs, ashramshalas, PHCs, GP buildings, etc.
- Community sanitation centres (CSCs) if there is a felt need and community takes up responsibility of O&M
- Creation of compost pits for individual HHs if community compost pits are not feasible
- Creation of plastic waste segregation and storage unit to ensure plastic is stored well until transportation to disposal site
- Greywater management system - waste stabilization ponds, constructed wetlands, DEWATS, or any other technology suitable for local conditions
- Creation of drainage channel for grey water management
- Purchase of sanitary pad dispenser and incinerator for menstrual waste management at public places like schools, Panchayat Bhawan, CSCs



# Gram Panchayat Development Plan ( GPDP) for Water & Sanitation

## Sanitation (contd..)

- Creation of deep burial pits for safe disposal of menstrual waste
- Creation of community and cluster Gobardhan projects
- Operation and Maintenance of Gobardhan Project
- Setting up of Faecal Sludge Management Plant (Deep Row Entrenchment, Planted Drying Bed, Unplanted Drying Bed)
- Services of Collection of Faecal Sludge from households/ Community Sanitary Complex, School and AWC toilet & Transportation to FSM plant (only mechanical cleaning is permitted)



## VWSC/ Pani Samiti

- Responsible for all assets pertaining to public water and sanitation in the panchayat village.
- Responsible for the management of all public water and sanitation installations in the panchayat
- Ensure preparation of Village Action Plan (VAP) for water supply schemes; and help mobilize people for PRA and FGD for situation analysis exercises
- Provide FHTC to every existing rural HH and any new HH that may emerge in future, and ensure that scattered households located away from main settlements also get FHTCs
- Assist and support the community motivators and health educators in their activities.
- Responsible for motivation and awareness campaign on health and hygiene in the village
- Guide and collaborate with Water User Groups, ISAs/ NGOs, individuals and Self help Groups, which are active in the water and sanitation sector in the village.

## Jan Bhagidari (Contd..)



- Responsible for equitable distribution of safe drinking water at all times, and in times of natural calamities such as droughts, floods and epidemics
- Responsible for operation and maintenance of all public water distribution systems; drainage lines, and influence the solid waste disposal methods to become scientific
- Assist the Village Panchayats in construction supervision, purchase of materials, plumbing works and quality control
- Responsible for the short-term and long-term protection of drinking water sources and the environment in the panchayat village
- Facilitate third party inspection and functionality assessment of WASH facilities
- Facilitate preparation of water budgeting
- Ensure water quality testing using Field Testing Kits (FTKs), periodic testing at laboratories & disseminate the same among community and undertake sanitary inspection.

# Jan Bhagidari



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- Hire/ arrange pump operators, barefoot technicians attend regular repair and maintenance work, and operate the system.
- Undertake / participate in Social Audit of water supply infrastructure.
- Prepare the budget relating to water and sanitation for inclusion in the budget of the village panchayat.
- Shall closely monitor the water and sanitation budget of the Village Panchayat. Mobilise and motivate the community to contribute 5% and 10% of in-village infrastructure capital expenditure, as the case may be.

# Convergence with Other Central & State Government Schemes



Number of ongoing Central and State funded schemes for water conservation, ground water recharge, rainwater harvesting and greywater management aiming to achieve water security

Name of the Scheme	Central/ State Government Department	Components that can be converged
Swachh Bharat Mission - Grameen (SBM-G)	Department of Drinking Water and Sanitation, M/o Jal Shakti	Greywater management – soak pits (individual/ community), waste stabilization ponds, etc.
MGNREGS	M/o Rural Development	All water conservation activities under Natural Resource Management (NRM) component
Watershed Development Component (WDC) of PMKSY	D/o Land Resources	Watershed management/ RWH/ artificial recharge, creation/ augmentation of water bodies, etc.
Repair, Renovation and Restoration of water bodies	D/o Water Resources, River Development & Ganga Rejuvenation	Restoration of larger water bodies
Rashtriya Krishi Vikas Yojana (RKVY)	M/o Agriculture, Cooperation and Farmers Welfare	Watershed related works

## Convergence with Other Central & State Government Schemes

Name of the Scheme	Central/ State Government Department	Components that can be converged
Pradhan Mantri Krishi Sinchayee Yojana (PMKSY)	M/o Agriculture, Cooperation and Farmers Welfare	Provision of micro-irrigation for various water-intensive crops to reduce drawl of water from aquifers
Compensatory Afforestation fund Management and Planning Authority (CAMPA)	M/o Environment, Forests and Climate Change	Afforestation, regeneration of forest ecosystem, restoration and strengthening of springs, watershed development, etc.
Pradhan Mantri Kaushal Vikas Kendra (PMKVK)	M/o Skill Development and Entrepreneurship	Skill development, training, etc. for human resources required for rural water supply schemes
Samagra Shiksha	M/o Human Resource Development	Provision of drinking water supply in schools
Aspirational districts programme	NITI Aayog	Water conservation activities taken up under discretionary funds with District Collector

## Convergence with Other Central & State Government Schemes

Name of the Scheme	Central/ State Government Department	Components that can be converged
District Mineral Development Fund (DMDF)	State	Water conservation activities on large scale
MPLAD	Ministry of Statistics and Programme Implementation (MoSPI)	In-village infrastructure
MLALAD	State	In-village infrastructure
Grants under Article 275 (1) of the Constitution/ Tribal Sub Scheme (TSS)	Ministry of Tribal Affairs and State	In-village infrastructure
National Rural Livelihoods Mission/ State Rural Livelihoods Mission	M/o Rural Development	Developing women entrepreneurs and SHG led enterprises for water supply services

*Thanks*