



भारत सरकार | GOVERNMENT OF INDIA  
 पेयजल और स्वच्छता विभाग | DEPARTMENT OF DRINKING WATER AND SANITATION  
 जल शक्ति मंत्रालय | MINISTRY OF JAL SHAKTI



# Jal Saathi

(Water Mate)

An innovative initiative involving young local talent



Every Drop is Precious!

## Jal Shakti Abhiyan

A Jan Andolan for Water Conservation

We pledge to save water



**Water Conservation in 38 identified water – stressed villages of Nizamabad District**



Water conservation and rainwater harvesting



Renovation of traditional and other water bodies/tanks



Reuse and recharge structures



Watershed development



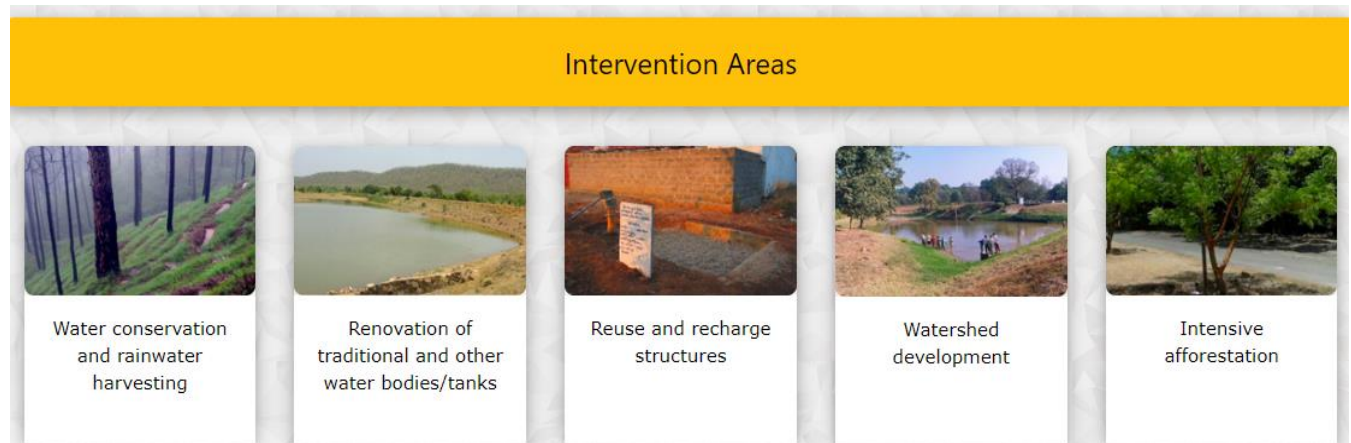
Intensive afforestation

# Jal Shakti Abhiyan

**Phase-I:** 1<sup>st</sup> July to 30<sup>th</sup> September 2019 (Telangana State)

Inspired by the Hon'ble Prime Minister's impetus on Jal Sanchay, the Jal Shakti Abhiyan (JSA) is a time-bound, mission-mode water conservation campaign. The JSA will run in two Phases: Phase 1 from 1<sup>st</sup> July to 30<sup>th</sup> September 2019 for all States and Union Territories; and Phase 2 from 1<sup>st</sup> October to 30<sup>th</sup> November 2019 for States and UTs receiving the retreating monsoon (Andhra Pradesh, Karnataka, Puducherry and Tamil Nadu). During the campaign, officers, groundwater experts and scientists from the Government of India will work together with state and district officials in India's most water-stressed districts\* for water conservation and water resource management by focusing on accelerated implementation of five target intervention. The JSA aims at making water conservation a Jan Andolan through asset creation and extensive communication.

**\*Water-stressed districts:** Districts with critical or over-exploited groundwater levels as per the Central Ground Water Board (CGWB) 2017. For states without critical and over-exploited groundwater levels, districts with the least availability of ground water in comparison to the rest of the districts in the state have been selected.



Sl.No	Intervention Areas	Activity	Existing Scheme (s)
1	Water conservation and rainwater harvesting	a) Rooftop rainwater harvesting structures (public and private) b) Check dams c) Trenches d) Farm Ponds	MGNREGA
2	Renovation of traditional and other water bodies / tanks	<ul style="list-style-type: none"> <li>• No. of traditional water bodies / tanks restored</li> <li>• No. of large water bodies restored</li> </ul>	MGNREGA and Repair, Renovation and Restoration(RRR) of Water Bodies
3	Reuse and borewell recharge structures	No. of borewell recharge structures constructed No. of soak pits - Individual - community  No. of grey water treatment ponds	MGNREGA
4	Watershed development(WSD)	<ul style="list-style-type: none"> <li>• Area covered (in ha).</li> </ul> No. of structures constructed: a) Staggered trenches b) Gully plugs c) Percolation tanks	Integrated Watershed Management Programme (IWMP)- PMKSY
5	Intensive afforestation	No. of seedlings planted Area covered under plantation on public and forests lands	National Afforestation and Eco-Development Board (NAEB) and MGNREGA

## Jal Saathi

Sri Nikunja kishore Sundaray, IAS, the Central Nodal Officer (CNO) of Jal Shakti Abhiyan for Nizamabad district has designed- an innovative initiative involving young local talent- to Volunteer as “Jal Saathi”(Water-mate) Team under ‘Jal Shakti Abhiyan’ (JSA)- to prepare a ‘Sustainable Water Resources Management plan for 38 Over Exploited(OE) and critical villages of 5 mandals/blocks in Nizamabad District. These Volunteers will be final year students from local Engineering and Degree Colleges including school children of the village concerned or members of youth organization or from the general public living in villages.

Jal Saathi-Team(JST), group of 5 students- preferably headed by one who belongs to the same Over Exploited(OE)/ Critical village and take help from 4 or 5 local High school students; one JST will be allotted to each OE or Critical village of the notified OE block/mandal. Jal Saathi team will approach Mandal Parishad Development Officer (MPDO) and Additional Program Officer (APO) at Mandal office. They shall be supported by Mandal level officers of line depts.(MPDO, APO of MGNREGA dept., Agriculture officer to provide village data). Further APO coordinate with Sarpanch and village level officers viz., Panchayat Secretary, Village Revenue Officer (VRO), Technical Assistant(TA) and Field Assistant for interaction with progressive farmers to take their opinion on JAL SHAKTI ABHIYAN activities. They may make field visit to record existing and ongoing MGNREGA/JSA works and may also collect information of new proposals.

APO will guide the JST in preparation of report on ‘Sustainable integrated water resources management plan of the village’ covering entire Water Conservation structures and other relevant information in Village profile including filling of suggestive JSA Template which **focuses all five interventions proposed under JSA viz.,**

- 1) Water conservation and rainwater harvesting
- 2) Renovation of traditional and other water bodies/tanks
- 3) Reuse and borewell recharge structures
- 4) Watershed development
- 5) Intensive afforestation and

Special interventions like innovative public and private practices for Rainwater harvesting, efficient and optimal water-use by adoption of

- i) Micro Irrigation Practices- Drip and sprinklers
- ii) Pandals for vegetable cultivation, Drum seeding in Paddy
- iii) Mulching, water spreading and Furrow irrigation
- iv) Plantation of kitchen Garden or Roof gardens
- v) Production of compost from household kitchen waste etc
- vi) Water Resources related to Central and state Govt. schemes
- vii) Injection wells/Artificial Recharge shafts (ARS) in water bodies - MI tanks, Percolation tanks (PTs) and Check Dams (CDs) for quick recharge of deeper aquifers
- viii) Single Use Plastic (SUP) waste management,
- ix) Individual Households latrines (IHHLs) and Good governance

The outcome report should be based on the facts and figures from present data of demography, decadal rainfall, health and education facilities, infrastructure collected from various authentic sources and departments – Panchayat Raj, Agriculture, Ground water and Irrigation using available Revenue records and existing Census data.

The opinion and views of village farmers and people's representatives will be documented in the report with best practices and suggestions for optimal management of water resources of the village including details of all existing and proposed structures with an aim to improve groundwater recharge through rain water harvesting and benchmark water conservation practices adopted for the village.

1. The objective of Jal Saathi team is to prepare a detailed report on integrated water resources management plan of the selected village. The teams emphasize on intense behavior change campaigns including inter-personal communication for achieving sustainable water resources outcome for the village.
2. Jal Saathi are the foot soldiers of the Jal Shakti Abhiyan and the motivators for bringing about behavioral change with respect to 5 key interventions of water conservation practices in rural areas.
3. Role of Jal Saathi is one of the key factors to achieve true spirit of water conservation under the Jal Shakti Abhiyan and sustaining it through activities.

4. Jal Saathi-Team(JST), group of 5 students- preferably headed by one who belongs to the same Over Exploited(OE)/ Critical village with Economics/technical background and take help from 4 or 5 local High school students or members of youth organization or from the general public living in villages.
5. Jal Saathi group perform the activities in line with the District Rural Development officers and other water related line departments viz., Rural Water Supply (RWS), Irrigation, Agriculture, Horticulture and Groundwater with coordination.

**The General qualifications of the Jal Saathi are:**

1. Preferably resident of the same GP
2. Should be studying in final year in the field of Diploma/Degree in Engineering or Degree in Economics/Sociology
3. Should possess good communication skills (Esp. the local language and dialect)

**The range of activities being performed by JST group as per the following phases:**

1. Planning &
2. Comprehensive Village data collection
3. Document innovative water use efficiency practices

**Role and responsibilities of Jal Saathi team are:**

1. Mobilize and support the community for the construction of various interventions of Jal Shakti Abhiyan, Provide information on appropriate technologies and
2. Support in Canvassing of the construction and sustainable operation and maintenance of assets created under Jal Shakti Abhiyan and facilitating sustainable behavior change.
3. Coordinate with Local Stakeholders, Gram Panchayat, Village committees for effective implementation of Jal Shakti Abhiyan activities.
4. Interact with other locally available Organizations like Self Help Groups (SHGs), Youth clubs & organizations like Nehru Yuva Kendra (NYK) and Rythu Samanvaya Committees etc.
5. Assist in developing and implementing capacity building plans for strengthening Nigrani Committees at Village level.

6. Conduct community mobilization events, Gramasabha and public meetings with the committees, community members and other key stakeholders including events in schools and Aanganwadi Centers (AWCs).
7. Team should provide support to document best practices for replication in other villages.
8. Conduct random household visits to raise awareness about proper operation and maintenance of toilets (O&M) including correct ways of Jal Shakti Abhiyan activities and toilets. Creation of awareness about Jal Shakti Abhiyan activities for sustainable water Resources conservation.
9. Support activities like assisting GPs to hold a Jal Shakti Abhiyan Day or activity every month so that the GP achieves/sustains during the study period
10. Assist the monitoring of the Jal Shakti Abhiyan program in his/her village as a support to Mandal/Block and district officers of Line depts.
11. Use of “Sahyog” Mobile Application developed by Survey of India (wherever feasible) for uploading the Assets existing/created in relation to JSA activities’.
12. Any other activities that supports village plan for attaining Jal Shakti Abhiyan in true spirit.

**Arrangements before deployment of Jal Saathi:**

1. Clear structures for reporting and supervision of **Jal Saathi team**
2. Capacity Building (including trainings) to Jal Saathi Team
3. Mechanism for weekly/monthly performance review
4. Providing basic logistical support for undertaking inter-personal communication activities and field visits
5. Support from local GP staff and People Representatives.

**The following activities are critical and needs special attention while implementing Jal Saathi:**

1. Sustained engagement with the Jal Saathi team
2. Systems for continued capacity building and motivation of Jal Saathi team
3. Appropriate incentives for this sustained engagement
4. Provide safety and mobility of the Team and its responsibility and Budget till completion of the village report.
5. Convergence of line department at Mandal & village level.
6. Support of villagers and the cooperation of village level functionary



# Jal Shakti Abhiyan

Jal hai toh kal hai

The village report should be a standard document having the write up describing the details location, climate, soils, drainage Irrigation facilities, existing Rain Water Harvesting Structures Season wise crops grown, peoples opinion including innovative practices in Agriculture and optimal water use including literacy, culture.

### Expected outcome:

The integrated village reports provide Water Resources Assessment with a plan for various interventions under Jal Shakti Abhiyan for that village.



## Water Conservation in 38 identified water - stressed villages of Nizamabad District

#JanShakti4JalShakti | #JalShaktiAbhiyan | #JalShaktiAbhiyanUrban

### Village Profile

Gram Panchayat Name :  
Mandal Name :  
District Name : Nizamabad





- 18) Collection & Preparation of Maps- 1. Basin Map  
 2. Mandal Map  
 3. Village Map (Revenue/location Map)  
 4. Drainage & Soil Map

19) Gram Panchayat Staff Details:

Sl.No	Name of the Panchayth Committee Member	Designation	Mobile No.
1		Panchayth Secretary	
2		Karobar	
3		Watermen	
4		Sweeper	
5		Electrician	

20) Drinking Water Facility: Hand Pump & Over Head Service Reservoir (OHSR water tanks)

Sl. No.	Type	Capacity	Number of Tanks	Location
1	OHSR(PWS)			
2	OHSR(PWS)			
3	MPWS			
4	MPWS			
5	MPWS			
6	MPWS			
7	MPWS			
8	MPWS			
9	MPWS			
10	MPWS			

OHSR capacity >40,000 litres

MPWS (Mini Potable Supply Scheme) – capacity >5,000 to 10,000 litres

21) RWS Borewells:

Sl.No	Location of the Borewell	Approximate Depth	Weather Working(Yes)/ Not Working(No)
1			
2			
3			
4			

22) Water Connection

No. of Public Stand Post:	No. of Private Taps	No. of Hand Pumps

23) Rural Power Supply :

- a) Line Men Name :
- b) Power Sub Station at :
- c) Total Transformers (No.s) :
- d) Power Connections : a) Agriculture  
b) Domestic  
c) Industrial

Total

24) Agriculture/Revenue:

- a) Wet land (Ac) :
- b) Dry Land (Ac) :
- c) Total :
- d) Marginal Farmers :
- e) Small Farmers :
- f) Big Farmers :
- g) Total Farmers :

25) Main Crops in Village:

S.No	Mandal & Village	Net Area Irrigated under Wells/ groundwater [Acres]					Net Area Irrigated under Tanks/surface water bodies [Acres]	
		Paddy		Non Paddy			Paddy	Non Paddy
		Kharif	Rabi	Crop Name	Kharif	Rabi	Rabi	Rabi
				Maize				
				Jowar				
				Turmeric				
				Vegetables				

26) Irrigation Facility:

Sl.No	Name of the Tank	Geo Co-ordinates	Water Spread area (shikam) (acres)	Ayacut in acres
<b>MI Tanks</b>				
1				
2				
3				
4				
<b>Canals</b>				
1				
2				
3				
4				

27) Animal wealth:

Cows	Buffalo's	Sheeps	Goats	Hens	Total

28) IKP-Self Help Groups(SHG) :

i. No. of SHG Groups :

ii. No. of SHG Group Members :

iii. a) Community Activist-1 :

b) Community Activist -2 :\_

29) Industries information for the purpose of JSA

in \_\_\_\_\_ Village of Nizamabad District

S.No	Industries details as on Today				Mineral Water Plants details as on Today		
	No of Industries	Nature of Industry	No of wells Present	Total Daily Water Requirement	No of Mineral water plants	No of Wells present in mineral water plants	Total Daily Water Requirement
1							
2							
3							

30) Water Conservation Works Under Jala Shakti Abhiyan -

Village

Sl. No	Water Conservation And Rain water harvesting						Renovation of Traditional And Other water Bodies/ Tanks			Reuse, Borewell Recharge Structures						Intensive Afferostation				
	Rooftop Rain Water Harvesting Structures (Public and Private)			Farm Ponds			No of Water Bodies/ Tanks Restored			No of Borewell Recharge Structures Constructed			Individual Soak Pits		Community/ Common Soak pits		Area covered under plantation in (Ha)		No of Seedlings Planted	
	Existing	Sanctioned	Completed	Existing	Sanctioned	Completed	Existing	Sanctioned	Completed	Existing	Sanctioned	Completed	Existing	Sanctioned	Existing	Sanctioned	Completed	Existing	Target	Completed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

31) Format For Furnishing Artificial Recharge Structures Information For The Purpose Of Jsa In  
 \_\_\_\_\_ Village

S.No	Village	No of PTs	storage capacity ha.m	No of mini PTs	storage capacity ha.m	No of CDs	storage capacity ha.m	No of farm ponds	storage capacity ha.m	Other recharge structures	storage capacity ha.m	Total No of recharge structures
1	2	3	4	5	6	7	8	9	10	11	12	13
1												
2												

32) Government Building with functional Rain Water Harvesting Structures

Sl No	Type of Government Building having RWH Structures ( Offices, Schools, Hospitals etc)	Geo Coordinates	Location	Functional
				(Yes/No)
1				
2				

### 33) Dry Borewell Recharge Structures

Need to take details of all the borewells used for drinking water which get dried during summer each year and which require point recharge (AEE, RWS)

Sl No	Location	Geo Coordinates	No of Borewells	Depth of Bore well (feet)
1				
2				

### 34) Intensive Afforestation (APO, DRDO)

Need to take details of all the saplings planted during July to September-2019

Sl No	District/Block/GP	Number of Saplings Planted	Survival Percentage	Area planted in Hectare
1				
2				

### 35) Groundwater table levels

Need to take details of existing water table level at district, block and GP wise

Sl No	Location of Borewell	Public/Private	Geo Coordinates	Water Level (m) before intervention
1				
2				
3				

### 36) MGNREGS 2019-20:

- I. No. of Job Cards :
- II. No. of SSS Groups :
- III. No. of SSS (PHC) :
- IV. No. of SSS (Temporary) :
- V. Total Labours :
- VI. Identified Works in 2019-20 :
- VII. Estimation Cost :
- VIII. Cumulative Expenditure upto October:

Sl. No	Name of the Work	Sanctioned	Completed	In Progress	Not Started	Volume or storage capacity created in M <sup>3</sup>
1	Surface Storage Tank					
2	Desalting of Tank					
3	Cattle Troughs					
4	Common Soak Pits					
5	Magic Soak Pits					

**Suggestive Template Water Conservation Plan**

S.No.	Types of Structures	No. of functional Structures	Volume of water stored in CuM	No. of Non functional that can be restored	Volume of water stored in CuM	Funds required to restore/rejuvenate/build in Lakh INR
1	Natural water bodies (ponds, lakes).					
2	Tanks					
3	Large water bodies (5 hectare area and above)					
4	Check Dams					
5	Farm Ponds					
6	Rooftop water harvesting structures with storage (community and Privately owned)					
7.	Restoration of Main/Branch/Distributory/ minor canals of canal systems					

**Recharge structures**

8	No. of percolation tank					
9	No. of individual soak pits					
10	No. of community soak pits					
11	No. of borewell recharge structures					
12	No. of waste stabilization ponds					
13	No. of HH rooftop rainwater harvesting structures with recharge					

**Report Submitted By:**

1. Name :
2. College/School Name :
3. Phone Number :

**Authorized Signature**