



Inaugural Session of "Hygiene Matters" - 7th Water, Sanitation and Hygiene Conclave from 2nd to 4th December 2020

Rural Water Supply and Sanitation Department
Government of Andhra Pradesh

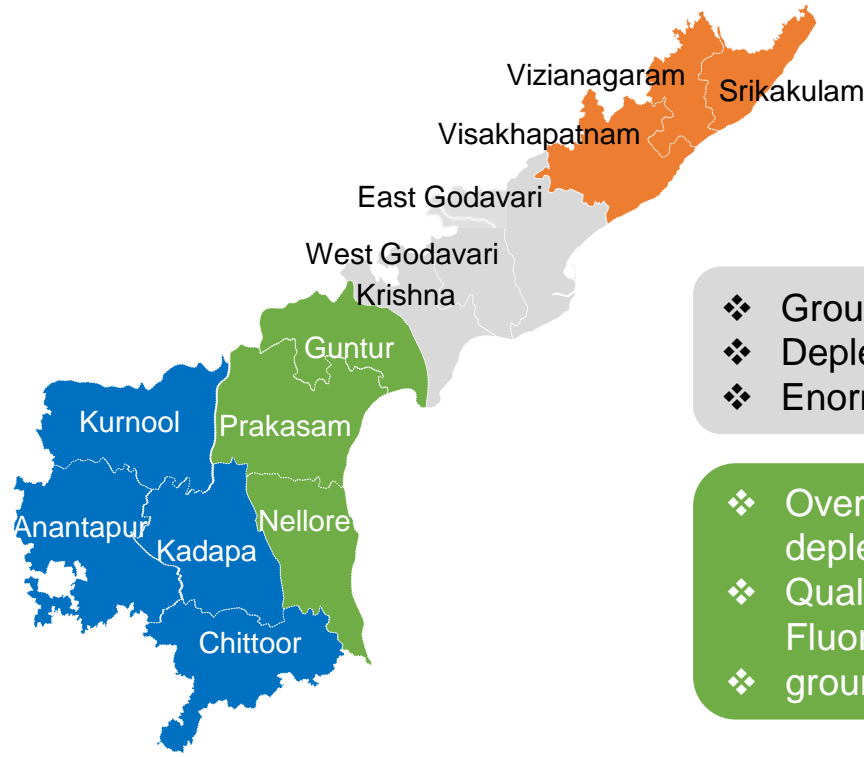
Dt:03.12.2020





- 48,461 habitations and 95.66 Lakhs Households with a rural population of around 380 lakhs.
- 46% of the population covered with 55 LPCD service level of which only 42% population has piped water supply.
- Most of the supply is through Single Village schemes with ground water and Multi village schemes with surface water.
- Designed with a capacity of 40 LPCD and very few recently constructed schemes with capacity of 55 LPCD.

- ❖ Chronic drought conditions due to continuous failure of monsoon
- ❖ Depletion of ground water due to deficit rain fall.
- ❖ Quality affected habitations mainly due to Fluoride.



- ❖ Salinity ingress due to huge coastline
- ❖ Depletion of ground water.
- ❖ Quality affected habitations

- ❖ Ground water pollution due to aquaculture.
- ❖ Depletion of ground water.
- ❖ Enormous population growth.

- ❖ Over exploitation of ground water leading to depletion of sub-surface sources
- ❖ Quality affected habitations mainly due to Fluoride.
- ❖ ground water pollution

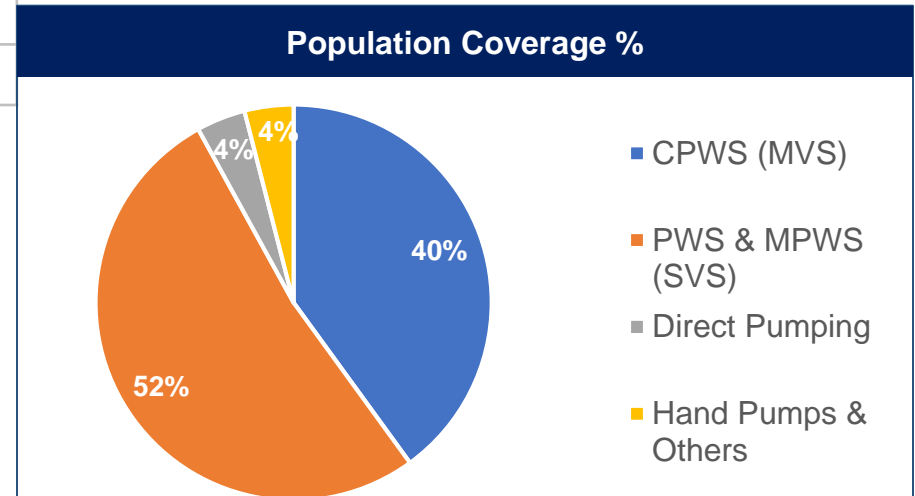
To resolve these problems of the State, the Government of Andhra Pradesh has decided to solve drinking water problem permanently through Water gird Scheme and improve the living standards of rural communities.



Current Status of Drinking Water Supply



#	Type of asset	Total Assets	Total no. of Habitations	Population (In lakhs)	% Pop Coverage
1	CPWS (MVS)	591	12,477	153	40%
2	PWS & MPWS (SVS)	36,917	23,066	197	52%
3	Direct Pumping	13,733	5,005	14	4%
4	Hand Pumps & Others	2,10,466	7,913	17	4%



Habitation Status			
#	Type of asset	As per 55 LPCD	
		Habitation	Percentage
1	Fully Covered (=>55 LPCD)	28,014	58%
2	Partially Covered (0 to 55 LPCD)	20,321	42%
a	PC4 (41.25 to 55 LPCD)	7,889	16%
b	PC3 (27.50 to 41.25 LPCD)	6,463	13%
c	PC2 (13.75 to 27.50 LPCD)	4,276	9%
d	PC1 (0 to 13.75 LPCD)	1,693	3%
3	Quality Affected (No safe source)	126	
Total (1+2+3)		48,461	

Fluoride-111, Salinity-14, Nitrate-1

Note – CPWS: Comprehensive protected water supply scheme, PWS: Protected water scheme, MPWS: Mini protected water supply scheme , PC: Partially Covered



RURAL WATER SUPPLY – ACTION NEEDED



Progress Analysis

Started with drawl of clear water from open wells
Tube wells,
Local streams for drinking

Progressed to draw raw water , treat and supply due to ground water depletion, quality

Increased per capita utilization lead to go for supply of at least 40 LPCD to 55LPCD

Fact is utilization level gone to 100 LPCD in Rural on par with URBAN for various reasons

Use of internet of things, Mobile apparatus for pumps, call centre for grievance redress,

ACTION NEEDED

Need to match the supply level and utility

Regulate the household supplies to the extent of need

Educate the household on the utility and supply level

Use of bottled water increased. Needs an attention on investments .

Tariff for supply and contribution on investments to be enforced by an act

Community awareness on importance of water.

Funding on O&M of the Existing assets

Thank You

