

Overview of NRDWP & NBA in Maharashtra

Director

Water & Sanitation Support Organization (WSSO)

Water Supply & Sanitation Department (WSSD)

IIT-B

Date: 12th September 2014

Status of Drinking Water coverage



Water & Sanitation Support Organization
Govt of Maharashtra

STATE PROFILE

Particulars		Nos.
No. of Districts		34
No. of Blocks		351
No. of Gram Panchayats		27,918
No. of Habitations		1,00,488
Rural Population as on 1.04.14		6.61 Cr.
	Population	%
SC	0.80	12.10%
ST	0.94	14.22%
General	4.87	73.68%

Coverage of SC/ST/ Minority / LWE Habitations as on 1.04.2014

Particulars	Total habitations	Coverage	%	
			State	National
Total habitations	1,00,488	87,339	86.91	73.66
SC Concentrated Habitations	2,254	1,952	86.60	75.16
ST Concentrated Habitations	17,505	15,973	91.25	76.08
Habitations in Minority concentrated Districts	8,348	6,718	80.47	64.79
LWE Concentrated Habitations	3,757	3,301	87.86	72.90

STATUS OF COVERAGE OF HABITATIONS



S.N.	Particulars	State		National	
		Habitations	%	Habitations	%
1	Habitations covered by PWSS	69,896	69.56	6,61,713	39.10
2	Habitations covered by Hand pumps / Bore wells	26,004	25.88	9,02,904	53.36
3	Habitations covered by Others	4,588	4.56	1,27,634	7.54
	Total	1,00,488	100.00	16,92,251	100.00

POPULATION WISE COVERAGE STATUS



Population wise overall coverage status

Population wise coverage	Population	%	
		State	National
Total Population	6.61 Cr.		
Fully covered population	5.00 Cr.	76%	70%
Partially covered population	1.61 Cr.	24%	30%

Population wise PWS coverage status

Particulars	Population	%	
		State	National
Total Population	6.61 Cr		
Population covered by PWS	5.44 Cr	82%	47 %
Population covered by Others	1.17 Cr	18%	53 %

- The Centrally sponsored National Rural Drinking Water Program (NRDWP) is being implemented in Maharashtra since 1.04.2009
- NRDWP is an umbrella program covering all central & state funding schemes
- Funding under NRDWP

Type of fund	Components	Funding Pattern Central : State
Programme Fund	Coverage & Water Quality (67%) O & M (15%)	50 : 50
	Sustainability (10%)	100 : 00
Support Fund	Support (5%) WQMSP (3%)	100 : 00

- The Annual Action Plan for 2014-15 includes 13,162 habitations with target 4,200 habitations.
- The GoI Allocation for 2014-15 is Rs.732.38 Cr. With state matching Allocation of Rs.592.37 Cr.

Priority for coverage of habitations

Priority	
1	0% covered habitations
2	Water Quality affected habitations
3	0-25% covered habitations
4	25-50% covered habitations
5	50-75% covered habitations
6	75-100% covered habitations
7	Schemes where life span is nearing completed
8	Tanker fed habitations for more than 3 yrs.

Note : 1) In each category ODF habitations will be given top most priority.

2) Coverage means provision within a distance of 100 mtrs from the household from either a public or a community source.

Revised Norms for providing potable drinking water in Rural Areas

Purpose	Qty. as per 40 lpcd	Qty. as per 55 lpcd
Drinking	3	3
Cooking	5	5
Bathing	15	15
Washing utensils & house	7	10
Ablution/ Toilets	10	10
Washing of cloths & other uses	-	12
Total	40	55

Since ARWSP (1972), the norm of 40 lpcd is adopted.
However under 12th Five year plan the norm is revised to 55 lpcd.

NRDWP 2014-15 : State Annual Action Plan & Allocation

Rs. in Cr.

Sr. No.	Component	Annual Action Plan			Allocation		
		Central	State	Total	Central	State	Total
1	Coverage -WQ (62%)	767.79	767.79	1535.59	467.47	467.47	934.93
2	Sustainability (10%)	70.10	0.00	70.10	62.33	0.00	62.33
3	O& M (15%)	118.23	118.23	236.46	93.49	93.49	186.99
Programme Total (Excluding 5% earmarked WQ)		956.12	886.03	1842.15	623.29	560.96	1184.25
4	Earmarked WQ (5%)	14.10	14.10	28.20	31.37	31.37	62.74
Programme Total		970.22	900.13	1870.35	654.65	592.33	1246.98
4	Support (5%)	56.02	0.00	56.02	48.55	0.00	48.55
5	WQM & SP (3%)	34.26	0.00	34.26	29.13	0.00	29.13
Grand Total		1060.50	900.13	1960.63	732.33	592.33	1324.66

NRDWP AAP 2014-15 : Details of Habitations & Schemes

Total Habitations/ Schemes included in AAP

Particulars	Individual PWS	R.R. PWS	Hand Pump/Borewell	Dug well/Open well	Total
Habitations	11127	1393	109	533	13162
Schemes	8496	111	107	529	9243

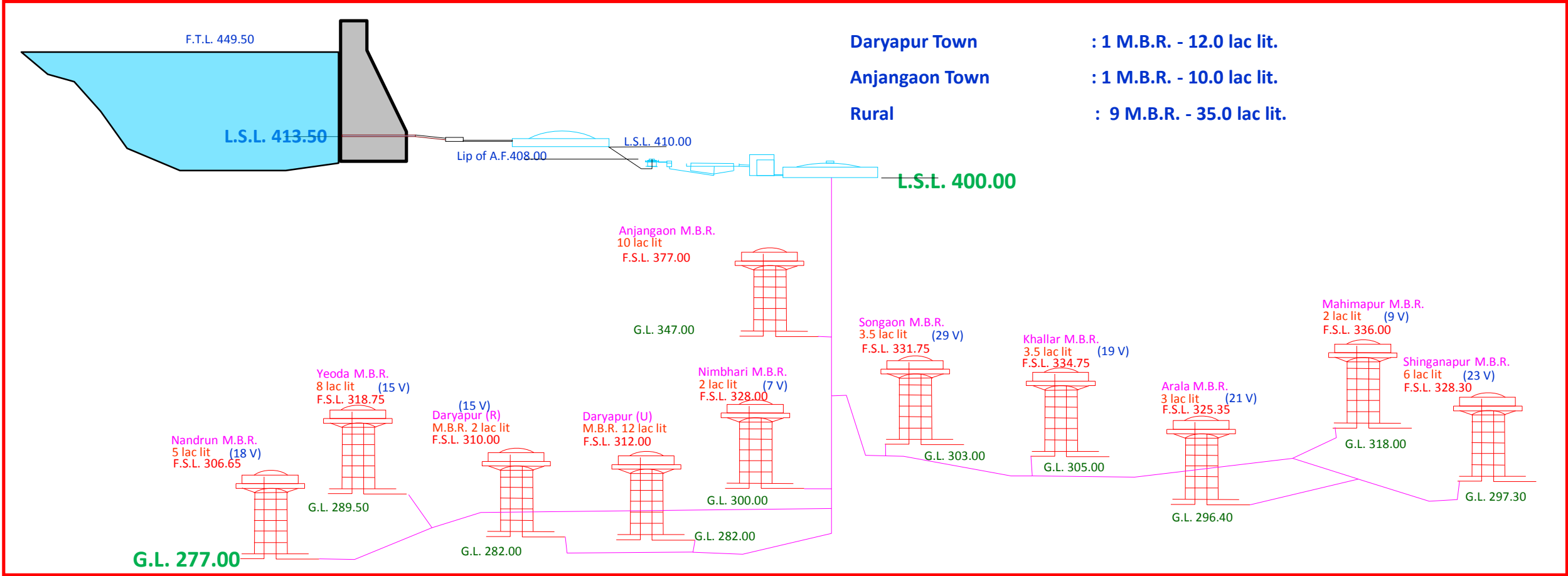
Targeted Habitations/ Schemes

Particulars	Individual PWS	R.R. PWS	Hand Pump/Borewell	Dug well/Open well	Total
Habitations	3642	135	79	344	4200
Schemes	2884	21	79	342	3326

NRDWP Issues

- **Data Entry on MoDWS IMIS at District Level**
- **Incomplete Schemes – Delayed Completion for more than 3 years (Around 2000 Schemes). Central Govt. has taken a stand that their funds can not be utilized for delayed schemes (More than 5 years)**
- **Delay in Estimate preparation for newly included schemes**
- **Out of 6900 New Schemes in AAP, only 1200 schemes could be started till date**
- **Higher OB & Less Expenditure leading to difficulty in getting Central Funds**
- **Individual HH connections (Out of 8 Lakh, the achievement is only 61000)**
- **Special Drive for Financial closure of Physically completed schemes to be undertaken**
- **AG Audit (2008-9, 2009-10) for 10 Districts (Pune , Kolhapur done, Balance Wardha Nagpur, Buldhana, Amaravati, Nashik, Nagar, Aurangabad & Raigad remaining)**

Anjangaon Daryapur RRWSS
156 Villages Scheme
Gravity Based Scheme
ISO 9000 Scheme



24X7 PWS

GP: Umari Meghe
Block: Wardha
District: Wardha

Population: 3000

Drinking Water Measures: 4 Open Dug Wells

2 Bore Wells fitted with Hand Pumps

1 Bore Well fitted with Power Pump

Result: Seasonal Drinking Water Scarcity



Project Initiatives: 24*7 Scheme

- During 2012-13 under NRDWP One source for PWS was selected using participatory Approach.
- Source Strengthening measures were taken.
- 100% metering was done.
- Bulk water meters were also installed to detect and lower leakages.
- Pumping hours were reduced from 13 Hrs to 4 Hrs.
- A steady rate of 55 LPCD is being maintained.
- Automatic Chlorine Dozer was fitted.
- Work of recovery is assigned to Women SHG.
- O&M cost worked out is Rs.8.00/100 litre and was accepted by the community
- Recovery percentage is more than 90%.

Solar power based dual pump systems

Name of the village- Changer

Taluka- Gondia

District- Gondia

Scheme Details-

- Bore well is fitted with 1 HP (900 WATT) solar photovoltaic submersible pump
- This is in addition to the existing India Mark II hand pump.
- Solar panels of 675 watt are provided with the system.
- Scheme consists of 5000 liters HDPE water storage tank mounted on 3 meter high fabricated steel structure.
- Distribution system with two public stand posts is provided in the village.
- Household connections are also provided to 152 households.
- Water is made available round the clock, i.e. continuous during day time by solar pumps & from storage tank at night.
- Hand pump is available as secondary pumping device.

The cost of the scheme is Rs.5.10 lakhs



Solar power based dual pump systems

GP: Chavani
Block: Khalapur
District: Raigad

Population: 726

Drinking Water Measures: 2 Open Dug Wells

2 Bore Wells fitted with Hand Pumps

Hilly Area with Hard Rock exposures

Load Shading for more than 10 Hrs.

Result: Seasonal Drinking Water Scarcity



Project Initiatives: Installation of Solar based Dual Pump

- During 2009-10 under NRDWP existing Bore Well was selected using participatory Approach.
- The simple hand Pump was replaced with Solar based Dual Pump
- Plastic tank of 5000 litres was mounted on a elevated metal frame.
- Distribution lines were laid.
- Cost of the Project: Rs. 5.46 Lac.
- Water availability 24*7 round the year.

Rain Water Harvesting in Tanks

GP: Palsoshi
Block: Bhor
District: Pune

Population: 947

Drinking Water Measures: 1 Open Dug Well
Stream at 2.5 Kms

Hilly Area with Hard Rock exposures.

High Rainfall area.

Load Shading for more than 10 Hrs.

Result: Seasonal Drinking Water Scarcity



Project Initiatives: Rain Water Harvesting through Tanks

- During 2004-05 under Aaple Pani Project GP selected.
- 132 Water tanks were erected.
- Diameter 2.90m, 1.60m Height, Capacity 10,000 Litres
- 49.00 Lac litres water is collected.
- Cost of the Project: Rs. 55.50 Lac.
- Water availability 24*7 round the year.



सत्यमेव जयते

NIRMAL BHARAT ABHIYAN



सुजल महाराष्ट्र - निर्मल महाराष्ट्र
पाणी व स्वच्छता सहाय्य संस्था

**WATER AND SANITATION SUPPORT ORGANISATION
WATER SUPPLY AND SANITATION DEPARTMENT
GOVERNMENT OF MAHARASHTRA**

Baseline Survey and Current Status of NBA Coverage

Base Line Survey Status - 2012

Total Rural House Holds	House Holds with Toilets	House Holds without Toilets
12524797	6032391	6492406

State	Rural Sanitation Coverage as per Census 2011	Rural Sanitation Coverage as per NSSO 2012	Rural Sanitation Coverage as Baseline Survey 2012-13
Maharashtra	44.20	46	48.04

FUNDING PATTRAN

Components	Central Share	State Share	Beneficiary share	Amount
IHHL BPL IHHL APL (SCs,STs,small and marginal farmer, women headed, PH, landless laborers with Homestead)	Rs-3200 Rs-3700(for hilly Area)	Rs-1400	Rs 900	Rs -5500
Sanitary Complexes	60%	30%	10%	2,00000
School Toilets	70%	30%	0	35,000 38,500(for hilly Area)
Anganwadi Toilets	70%	30%	0	8000 10,000(for hilly Area)
SLWM	70%	30%	0	Up to 150-7 lakh 151 to 300-12 lakh 301 to 500-15 lakh 501 and above-20 lakh
IEC HRD Start up	80%	20%	0	Up to 15 %

BASELINE SURVEY AND NBA TARGET

NIRMAL BHARAT ABHIYAN			
Components	Total Target For PIP 2012-2019	Achievement up to August 2014 (2012-2014)	Remaining Target
Total IHHL	6492406	787727	5704679
Community Complexes	17275	1047	16228
SLWM	27902	154	27748
RSM	365	1	364

IHHL:-MONTHLY PHYSICAL PROGRESS REPORT

AUGUST 2014-15

COMPONENTS	TARGET	ACHIEVEMENT ONLINE	%
IHHL APL	409660	27493	6.71%
IHHL BPL	186746	11886	6.36
TOTAL IHHL	596406	39379	6.60

Current status of Nirmal Gram Puraskar

Total District	Total No. of GPs	Total Awarded GPs	Propose for NGP 2013-14	No.of GPs Recommended for Survey(GoI) By States
33	27902	9523	1706	1604

NBA

- **Revised Ambitious Targets (2022 to 2019) (Swach Bharat- Swasth Bharat)**
- **Recurring Changes of Guidelines**
- **Lack of dedicated Front Line Workers (Like ASHA, AWW, ANM) – Nirmal Doot Revival**
- **Defunct Toilets (Funds and Behavioral change)**
- **O&M of Community Sanitary Complexes & School – Anganwadi Toilets**
- **Devolution of Funds through Gram Panchayat**
- **Monitoring Failure at District Level**
- **UC & ASAs**

ODF, Nirmal Gram GP: Laxminarayanpur

Block: Devli

District: Wardha

Houses: 180

Population: 709



Pre Conditions:

IHHLs: 07

SLWM: Not even thought of

Cleanliness: Poor

Women SHGs: Nil

Post project Conditions:

IHHLs: 180

SLWM: Separate collection (Dry & Wet)

Cleanliness: Nirmal Gram

Women SHGs: 02

Result

Nirmal Gram

Paryavaran Santulit Samrudh Gram

Kuposhan Mukh Gram



ODF, Nirmal Gram GP: Somurdi
Block: Purandar
District: Pune

Houses: 171
Population: 750



A lady villager named Shakuntala Pawar is 100% blind and today she is getting NRDWP water in Home and Toilet facility with the help of NBA successfully.

School Toilet: Before project



School Toilet After Project: 2012-13



Thank You.

