

Restructuring of National Rural Drinking Water Programme (NRDWP)

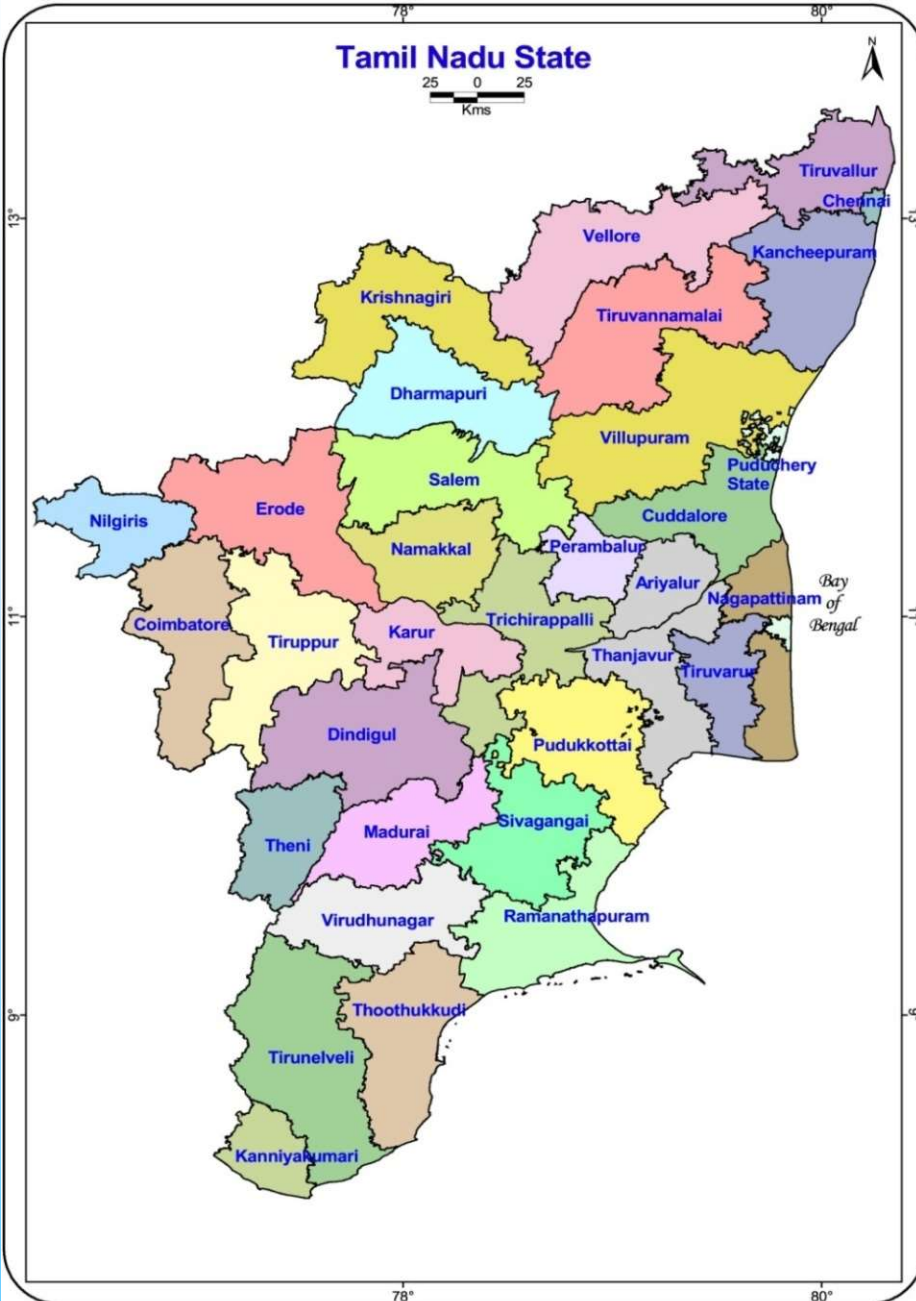
Road Map for Har Ghar Jal and Good Practices in Rural drinking Water Supply in Tamil Nadu



Tamil Nadu Water Supply and Drainage Board



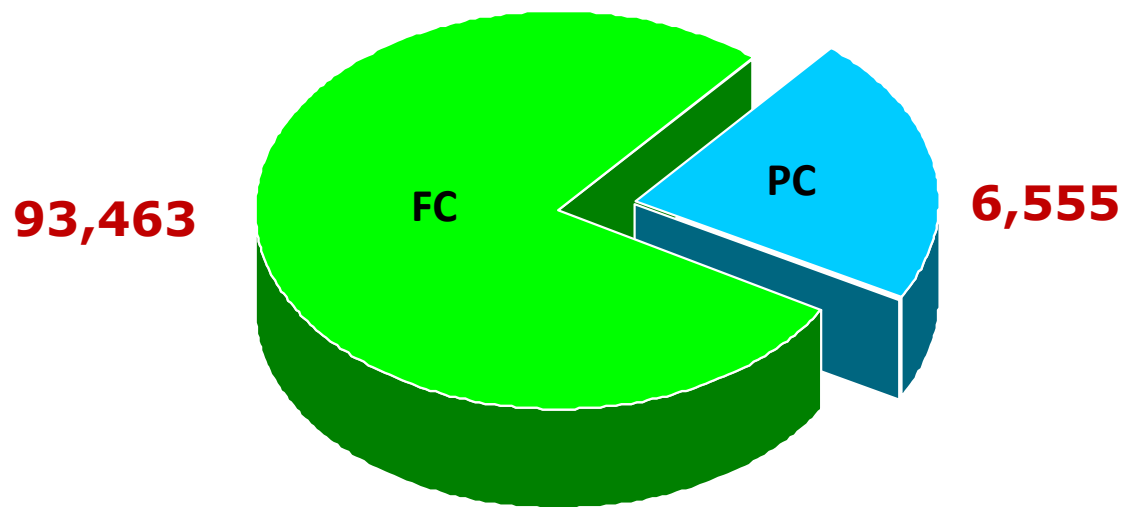
Tamil Nadu - Profile



Total Area	130,059 sq.km	
Districts	32	
Unions	385	
Corporations	12	
Municipalities	124	
Town Panchayat	528	
Village Panchayat	12,524	
Rural Habitations	1,00,018	
<u>Population – 2011</u>		
Rural	51.60 %	372.30 lakh
Urban	48.40 %	349.17 lakh
Total		721.47 lakh

Rural Water Supply Status in Tamil Nadu as on 01.04.2017

Total Habitations 1,00,018



■ FC - Fully Covered (40 lpcd)

■ PC -Partially Covered (10 – 39 lpcd)



Good Practices in Tamil Nadu

- From the year 2014-15, there is a shift from Individual Power Pump schemes to CWSS with River Source/Dams
- Ongoing CWSS which were already sanctioned with surface water/River based schemes were implemented under NRDWP.
- From 2015-16, GoTN has availed loan from NABARD and State MNP funds to meet the gap in Rural Drinking Water Sector Financing other than NRDWP.
- 36 Nos of CWSS at an estimated cost of Rs 6593.51 Crore is under implementation

CWSS MAINTAINED BY TWAD BOARD

- CWSS covering **more than one Local Body** were taken over by TWAD Board for Maintenance as per G.O. Ms. No. 84 / MA&WS, Dt. 10.3.1994.
- TWAD Board maintains the infrastructure of Head Works, Pumping Stations and Pumping Mains upto delivery of water to the Over Head Tanks of the Beneficiaries.
- Maintenance of Over Head Tanks and the local distribution system is taken care by the Local Body.
- TWAD Board has placed all the Maintenance Divisions and Sub-Divisions incharge of maintaining the CWSS under the Direct Administrative control of the respective District Collectors and retaining the technical control with TWAD Board.
- The maintenance expenditure for these CWSS is being met out from the water charges collected from the beneficiaries.

CWSS Maintained by TWAD Board

Total No. of CWSS - 553 Nos.
Designed quantity - 2073 MLD
Supplied quantity - 1738 MLD

Sl. No.	Name of Beneficiaries	No. of Beneficiary	Designed Quantity (in MLD)	Supplied Quantity (in MLD)
1	Corporations	8	265	176
2	Municipalities	66	264	182
3	Town Panchayats	323	333	309
4	Rural Habitations	46438	1055	1014
5	Other Beneficiaries	532	144	26
	Total	47367	2061	1738(84%)

O & M Financial in TWAD Board

- ❖ TWAD Board maintains Combined WSS from 1997.
- ❖ Water Tariff fixed by the Govt vide G.O.Ms. No. 338 MA&WS (WS4) Dept dt.18.10.2004. Rural - Rs.3.00/KL, Urban - Rs. 4.50/KL, Industries – Rs.15.00/Kl
- ❖ Water Tariff fixed by the Government is less than the production cost
- ❖ To meet out the gap, Grants given by the Government:
 - for 2010-11 -- Rs 84.45 Crore
 - for 2011-12 & 2012-13 -- Rs 140.00 Crore
 - for 2012-13 & 2013-14 -- Rs 207.11 Crore
 - Total -- Rs 431.56 Crore
- ❖ Sustained deficit up to 2015-16 -- Rs 628.05 Crore
- ❖ Proposal sent to Govt for 2015 – 16 -- Rs 316.46 Crore
- ❖ Grant received for 2015-16 -- Rs 103.79 Crore
- ❖ **Net deficit upto 2015-16 -- Rs 840.80 Crore**

Range of Maintenance Cost and Existing Water Tariff

Details	Rate
Operation and Maintenance Cost - Range	Rs. 7.44 to Rs.26.84/ KL
Rural Tariff	Rs. 3.00/ KL
Urban Tariff	Rs. 4.50/ KL

Details of water tariff

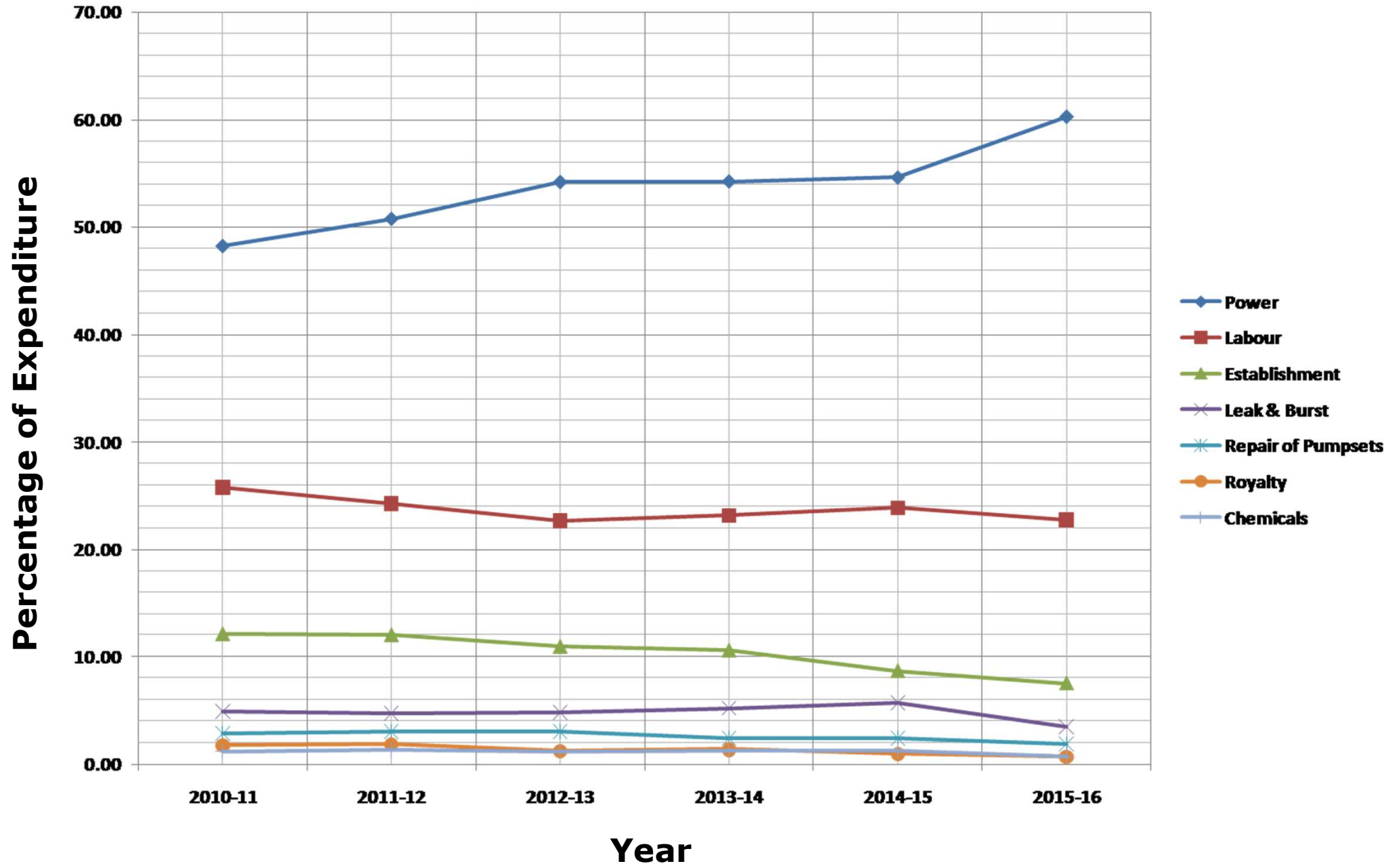
Sl. No.	Name of beneficiary	G.O.Ms.No. 252 RD Dept. dt. 11.8.97	G.O.Ms.No. 136 MAWS (WS 4) Dept. dt. 3.10.2002 (w.e.f. 01.12.01)	G.O.Ms.No. 338 MAWS (WS4) Dept. dt. 18.10.04	BP Ms.No.115 O&M, dt. 20.12.06 (w.e.f. 1.1.2007)	Current Tariff
		Rs./KL	Rs./KL	Rs./KL	Rs./KL	Rs./KL
1	Rural Town Panchayats / Village Panchayats	2.25	3.00			3.00
2	Corporations / Municipalities / Urban Town Panchayats	3.50	4.50			4.50
3	Private Industrial / Commercial Organisations					
	1) who have paid proportionate cost		15.00 *			15.00
	2) who have not paid proportionate cost		15.00 *			
	a) Private Industries / Institutions			30.00	60.00	60.00
	b) Business & Commercial Organisations			30.00	60.00	60.00
	c) Private Educational Institutions (Schools, Colleges)			30.00	30.00	30.00
	d) Private Hospitals			30.00	50.00	50.00
	e) Orphanages, Home for adults / old age and disabled / Ashram				10.00	10.00
	* Revised from Rs. 10.50/KL					9

Revision of water tariff proposed

(proposed vide B.P.Ms.No. 47 (O&M) dt. 16.5.12)

Sl. No.	Name of Beneficiary	Existing water tariff	Proposed tariff
		Rs./KL	Rs./KL
1	Rural Town Panchayats / Village Panchayats	3.00	7.00
2	Corporations/Municipalities/ Urban Town Panchayats	4.50	11.00
3	Private Industrial / Commercial Organisations		
	1) who have paid proportionate cost	15.00	45.00
	2) who have not paid proportionate cost		
	a) Private Industries/commercial organisations	60.00	150.00
	b) Private Hospitals and , Private Educational Institutions (Schools, Colleges)	50.00	125.00
	c) Govt. Industries, Organisation	30.00	80.00
	d) Government Hospitals and Government Educational Institutions, place of worship	30.00	30.00
	e) Orphanages	10.00	30.00

Trends in Operation and Maintenance cost



Maintenance of CWSS - Income And Expenditure Details

Rs. in Lakhs

Details	2014-15 (479534 ML. p.a)	2015-16 (504539 ML .p.a)	2016-17 (486590 ML .p.a)
	Amount	Amount	Amount
A. Expenditure			
Establishment	3951.02	3850.68	3985.50
Administration	91.19	102.17	102.57
Power	25468.37	31736.44	39360.91
Labour	11132.46	11954.16	14558.55
Leak & Burst	2115.42	1527.13	2929.98
Chemicals	598.88	390.47	257.23
Materials	554.38	312.82	669.88
Repair of Pumpsets	1123.04	999.63	1329.35
Royalty	437.43	361.32	363.66
Fuel Cost	41.95	57.42	25.63
Others	1190.41	1416.84	1543.74
Total Expenditure	46704.55	52709.08	65527.00
B. Income			
Water Charges Collection	21964.03	23620.12	23540.75
Fuel Cost (Receipt from Dist Collectorate)	73.97	54.20	11.46
NRDWP/SMS (O&M share)	4722.25	2038.07	2576.56
Total Income	26760.25	25712.39	26128.77
C. Gross Deficit - (A-B)	19944.30	26996.69	39398.25

Water Charges Due as on 31.10.2017

Abstract

(Rupees in crore)

Sl.No	Beneficiary Type	Balance
1	Corporation	196.28
2	Municipality	23.09
3	Town Panchayats	7.37
4	Village Panchayats	97.32
	Grand Total	324.06

Anticipated Deficit on Maintenance of CWSS (as per the existing tariff)

Rs. in crore

Year	Anticipated Quantity of water supply in MLD	Anticipated Expenditure	Anticipated Income Due to proposed Tariff		Anticipated Deficit after implementation of proposed Tariff	
			Partial	Full	Partial	Full
2017-18	2073	817.87	375.13	658.36	442.74	159.51
2018-19	2170	940.55	388.81	669.32	551.74	271.23
2019-20	2280	1081.63	403.87	685.56	677.76	396.07
2020-21	2390	1243.88	418.93	700.61	824.95	543.26
2021-22	2500	1430.46	433.98	715.67	996.48	714.79



Issues - NRDWP

- Reduction in Central allocation from Rs 400 Crore to Rs 180 Crore.
- Due to reduction in allocation, shortage of funds to the tune of about Rs 600 Crore for the Schemes already taken up under NRDWP is to be availed as loan from NABARD which increases the State's financial burden .
- As the ongoing schemes are likely to be completed in 2017-18 and the States may be allowed to take up new schemes under NRDWP.
- Draft guidelines for NRDWP
 - ❖ High emphasis is given to Quality Affected Habitations and no weightage given for areas having poor Ground Water situation.
 - ❖ Existing provision for 15% of Programme Fund for O&M component should be retained.



NRDWP Progress – Tamil Nadu



Progress of NRDWP

Rs. in crore

Sl. No.	Year	Release			Expenditure			Coverage of Habs.
		Central	State	Total	Central	State	Total	
1	2009-10	317.95	523.00	840.95	370.44	472.10	842.54	8206
2	2010-11	393.53	382.59	776.12	303.41	353.00	656.41	7039
3	2011-12	429.55	356.45	786.00	287.60	288.70	576.30	6000
4	2012-13	570.17	712.88	1283.05	625.00	673.50	1298.50	7000
5	2013-14	387.11	510.08	897.19	527.57	486.90	1014.47	5705
6	2014-15	382.46	493.92	876.38	432.39	445.70	878.09	4510
7	2015-16	182.35	488.66	671.01	167.04	349.75	516.79	1388
8	2016-17	174.68	212.18	386.86	173.06	346.87	519.93	2769
	Total	2837.8	3679.76	6517.56	2886.51	3416.52	6303.03	42617

Physical target and Achievement

Coverage of Habitations

Year	Target	Achievement
2009-10	8193	8206
2010-11	7318	7039
2011-12	6000	6000
2012-13	7000	7000
2013-14	6000	5705
2014-15	4805	4510
2015-16	1494	1388
2016-17	3269	2910
Total	44079	42758



Thanks