

SALIENT DETAILS

1.	Name of the scheme	:	PROVIDING CWSS TO 31 HABITATIONS IN ALANGULAM UNION OF TENKASI DISTRICT & 17 HABITATIONS IN PAPPAKUDI UNION AND 1 HAMLET IN MUKKUDAL TOWN PANCHAYAT OF TIRUNELVELI DISTRICT WITH RIVER TAMIRAPARANI AS SOURCE
2.	Cost of scheme	:	Rs. 50.50 Crore – TWAD Component – 41.70 Crore RD Component – 8.80 Crore
3.	Funding	:	Jal Jeevan mission – GoI – Rs. 20.44 Cr, GoTN – Rs. 24.89 Cr Community contribution – Rs. 0.88 Cr ULB contribution – Rs. 0.21 Cr, Centage – Rs. 4.08 Cr.
4.	Maintenance Cost	:	Rs. 0.75 Crore
5.	Cost per 1000 liltres	:	Rs. 19.16
6.	Percapita cost (Present)	:	Rs. 9806

I. Providing 31 habitations in Tenkasi District with River Tamiraparani near Nanthanthattai as source:

Population and Water Demand

Sl. No	Name of village Panchayat	No.of Habitations	Prorata of supply (LPCD)	Population			Requirement in MLD		Requirement (in LPM) @18 Hours pumping	
				Present 2022	Inter 2037	Ult. 2052	Inter 2037	Ult. 2052	Inter 2037	Ult. 2052
1	Kuthapanchan	15	55	9667	11408	12760	0.644	0.717	601	670
2	Odaimarichan	7	55	6002	7083	7923	0.490	0.546	458	510
3	Maranthai	5	55	3985	4703	5260	0.357	0.394	330	364
4	Sivalarkulam	4	55	2131	2515	2812	0.170	0.186	161	178
	Total	31		21785	25709	28755	1.661	1.846	1550	1722

II. Providing 18 habitations in Tirunelveli District with River Tamiraparani near Mukkudal as source

1	Pappakudi	11	55	12140	14327	16025	0.896	0.999	828	925
2	Idaikkal	4	55	3664	4323	4836	0.216	0.239	199	221
3	Vadakkuariya nagipuram	2	55	4336	5116	5724	0.343	0.383	317	355
4	Mukkudal TP	1	70	604	713	797	0.061	0.069	57	64

	Total	18		20744	24479	27382	1.516	1.690	1401	1565
		Providing 31 habitations in Tenkasi District with River Tamiraparani near Nanthanthattai as source				Providing 18 habitations in Tirunelveli District with River Tamiraparani near Mukkudal as source				
Source	Sub Surface water from River Tamiraparani near Nanthanthattai Village					Sub Surface water from River Tamiraparani near Mukkudal Village				
	4.5 m dia & 6m depth of Infiltration well- 2 Nos.					4.5 m dia & 6m depth of Infiltration well- 2 Nos.				
	Submersible pumpset-7.5 HP, 775 lpm x 15m - 1 No.(100% stand bye) for each well					Submersible pumpset-5 HP 701 lpm x 15 m - 1 No. (100% stand bye) for each well				
Connecting Main	150mm CI LA Class D/F pipes - 800m					150mm CI LA Class D/F pipes - 560m				
Collection Sump	Capacity - 1.05 LL Submersible pumpset -40HP, 1550 lpmx 57m Head 1 Nos. (100% stand bye)					Existing- 0.60 LL & Proposed- 0.35 LL are to be interlinked Submersible pumpset -12.5 HP, 647 pm x 54m 1 Nos.(100% stand bye) Submersible pumpset - 15 HP, 754 pm x 51 m 1 Nos.(100% stand bye)				
Pumping & Branch P'main	29.07 Km (DI & HDPE pipe)					38.03 Km (DI & HDPE pipe)				
Feeder main	50.72 Km (DI & HDPE pipe)					6.97 Km (DI & HDPE pipe)				
Village sump	3 Nos					1 No.				
Pump Room	4 Nos (3m x 3m - 3 Nos, 4m x 3m - 1 No.)					2 Nos. (3m x 3m)				
Service Reservoir	New - 8 Nos. Existing - 27 Nos.					New - 8 Nos. Existing - 26 Nos.				
Distribution System by TWAD	-					700m (Kaliyankulam hamlet Village)				
Distribution System by RD & PR Dept.	Existing - 22.92 Km Proposed - 16.38 Km					Existing - 20.34 Km Proposed - 9.32 Km				
FHTC by RD & PR Dept.	Existing - 2308 Km Proposed - 4282 Km					Existing - 1916 Km Proposed - 2830 Km				

	Providing 31 habitations in Tenkasi District with River Tamiraparani near Nanthanthattai as source	Providing 18 habitations in Tirunelveli District with River Tamiraparani near Mukkudal as source
Source	Sub Surface water from River Tamiraparani near Nanthanthattai Village புதியதாக அமைக்கப்பட்டுள்ள 4.5 மீட்டர் விட்டம் 6 மீ ஆழமுள்ள நீர்உறிஞ்சு கிணறு - 2 எண்ணம் Submersible pumpset-7.5 HP, 775 lpm x 15m - 1 No.(100% stand bye) for each well	Sub Surface water from River Tamiraparani near Mukkudal Village புதியதாக அமைக்கப்பட்டுள்ள 4.5 மீட்டர் விட்டம் 6 மீ ஆழமுள்ள நீர்உறிஞ்சு கிணறு - 2 எண்ணம் Submersible pumpset-5 HP 701 lpm x 15 m - 1 No. (100% stand bye) for each well
Connecting Main	150mm CI LA Class D/F pipes - 800m	150mm CI LA Class D/F pipes - 560m
Collection Sump	Capacity - 1.05 LL Submersible pumpset -40HP, 1550 lpmx 57m Head 1 Nos. (100% stand bye)	Existing- 0.60 LL & Proposed- 0.35 LL are to be interlinked Submersible pumpset -12.5 HP, 647 pm x 54m 1 Nos.(100% stand bye) Submersible pumpset - 15 HP, 754 pm x 51 m 1 Nos.(100% stand bye)
Pumping & Branch P'main	29.07 Km (DI & HDPE pipe)	38.03 Km (DI & HDPE pipe)
Feeder main	50.72 Km (DI & HDPE pipe)	6.97 Km (DI & HDPE pipe)
Village sump	3 Nos	1 No.
Pump Room	4 Nos (3m x 3m - 3 Nos, 4m x 3m - 1 No.)	2 Nos. (3m x 3m)
Service Reservoir	New - 8 Nos. Existing - 27 Nos.	New - 8 Nos. Existing - 26 Nos.
Distribution System by TWAD	-	700m (Kaliyankulam hamlet Village)
Distribution System by RD & PR Dept.	Existing - 22.92 Km Proposed - 16.38 Km	Existing - 20.34 Km Proposed - 9.32 Km
FHTC by RD & PR	Existing - 2308 Km Proposed - 4282 Km	Existing - 1916 Km Proposed - 2830 Km

Dept.		
--------------	--	--