

**Salient Details (as per Scope of the Scheme/ schemes):Name of Scheme: CWSS TO TIRUPUR CORPORATION, 3 TOWN PANCHAYATS AND 38 WAYSIDE VILLAGE PANCHAYATS (299 HABITATIONS) IN COIMBATORE AND TIRUPPUR DISRICTS**

S.No.	Name of the Component	Quantity	Location	Remarks
1	Source 8.0 m dia. Intake well in river Bhavani at Thekkampatty VP near Mettupalayam	44.00 MLD	Bhavani at Thekkampatty VP near Mettupalayam	
2	Raw water-250 HP Vertical turbine pump set 1+1 No	35200 lpmx 25m	Bhavani at Thekkampatty VP near Mettupalayam	
	Additional Pump set-40 HP-2 No		Bhavani at Thekkampatty VP near Mettupalayam	
3	Raw water Main	800mm MS Pipe -18.66 KM, 700 KM dia PSC Gravity Main-35.475 KM.	Bhavani at Thekkampatty VP near Mettupalayam	
4	Treatment Plant Details	Aerator- 3 Trays, Stilling Chamber - 1 No, Dividing Chamber - 1 No. Clariflocculaor - 2 Nos, TWIN Type Rapid sand filter Bed - 12+2 Nos, 'Chemical house -1No, Clear water reservoir - 18.00 LL capacity x 1 No.	Bhavani at Thekkampatty VP near Mettupalayam	
5	Clear water pumpset - 420 HP x30493 LPM x 47 m Head - 1+1 Nos.	30493 LPM x 47 M - 1+1 Nos.	Bhavani at Thekkampatty VP near Mettupalayam	
6	Pipe Carry Bridge	Pipe carry Bridge - 800 PSC-30M,700-100M 450-40M		
6	Booster station Location with Capacity	Nadur Booster Station - 10 LL capacity sump 2)Pogalur Booster Station - 9 LL capacity sump, 3) Kurukkkiliampalayam Booster Station - 0.16 LL-& 2.60 LL capacity sump, 4) Mookanoor Booster station 0.45 LL. 5). Periyaputhur-0.16 LL 6) Edayarpalayam 0.10 LL 7) Dasampalayam Booster Station - 1.00 LL 8) Velur Booster Station -1.70 LL 9) Pandian Nagar Booster Station - 3.20 LL. 10) Pooluvapatty Booster Station- 2.25 LL. 11) Boyar Colony Booster- 12) Vijayapuram Booster-0.60 LL 13) Sennimalaipalayam Booster -0.40 LL 14.) Chandrapuram Booster Station -3.60 LL		

7	Booster station Pumpset details	1) Nadur Booster Station i)HSC Clear water Pumpset -475 HP x 30186 LPM x 50 M 1+1. 2).Pogalur Booster Station i)HSC Clear water Pumpset -420 HP x 28806 LPM x 50 M 1+1.		
8	Feeder Main	700 mm DIA DI - 2.80 Km		
9		400 MM DIA AC - 2.40 KM		
		350 MM DIA AC - 1.40 KM		
		300 MM DIA AC - 2.38 KM		
		250 MM DIA AC - 15.16 KM		
		200 MM DIA AC - 18.56 KM		
		250 MM DIA AC - 21.38 KM		
		200 MM DIA AC - 8.00 KM		
		150 MM DIA AC - 0 KM		
		100 MM DIA AC - 2.00 KM		
		140 MM DIA AC -26.00 KM		
		110 MM DIA AC - 33.17 KM		
		90 MM DIA AC - 84.07 KM		
		75 MM DIA AC - 27.16 KM		
		63 MM DIA AC - 125.22 KM		
		50 MM DIA AC - 128.50 KM		
	<b>TOTAL</b>	<b>498.5 KM</b>		
9	Service Reservoirs	26.00 LL capacity to 0.10 LL capacity	345	Nos
10	D'System	366.00 Km		

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Sl.No	Name of the equipments, installations, structures, pipelines, appurtenances etc., to be operated and maintained along with the details of specifications such as type, make, HP, Head, discharge, capacity length, size and other relevant details such as hours of pumping, pressure, quantity & quality of water, etc.		Quantity	Location	
Sl. No.	Description		Total HP of Pumpsets	Hours of pumping per day	Remarks
1	Raw water- Vertical turbine pump set 35200 lpmx25 m-1+1 No		250HP	24 Hours	
2	Raw water water Main800mm MS Pipe - 18.66 m & 700mmPSC 6KSC- 35.475 M		54.13KM	Bhavani at Thekkampatty VP near Mettupalayam	
3	EB Supply-HT-SC-NO-19,20,21		3 NO	Head works, Nadur, Pogalur.	Allong Annur Mettupalayam Road. Near Kumaram Kundru
4	Raw water-Pipe carrying Bridge		30 Mt		Near Samanathottam (Near Bhavani)
1a	Clear water pump sets 420 HP -30493 LPM x 47 Mt		1+1	Near Samanathottam ( Near Bhavani)	
2	Treatment Plant - Air compressor and blower		1No	Near Samanathottam ( Near Bhavani)	
3	Treatment Plant (Falsh mixer - 3 HP, Clariflocculator - 2x3 HP, Alum motor - 2 x 1 HP, Lime Motor 2 x 1 HP, Flocculator - 4 x 1 HP)		2Nos	Near Samanathottam ( Near Bhavani)	
b	Treatment Plant			Near Samanathottam ( Near Bhavani River)	
1	Raw water pumpset	Turbine	250		
2	Raw water pumpset (additional)	Turbine	40		
3	Treatment Plant at Mettupalayam				
4	Clear water Pumpset	HSC	420		
5	Vacuum Pumpset	Centrifugal	7.5		
6	Treatment Plant pumpsets				
	Lime tank	Centrifugal	2		
	Alum tank	Centrifugal	2		
	Clarifier bridge	Centrifugal	2		
	Flash Mixer	Centrifugal	3		
	Wash water tank	Submersible	7.5		
7	Nadur Booster			Nadur	
	Pumping from Nadur to Pogalur	HSC	475		
	Vacuum Pumpset	Centrifugal	10		
	Pogalur Booster				
8	Pumping from Pogalur to Tiruppur	HSC	420	Pogalur	
	Vacuum Pumpset	Centrifugal	10		
9	Kurukkiliampalayam Booster	Submersible	10	Kurukkiliampalayam	
	Periaputhur Booster	Submersible	2	Periaputhur	
10	Edayarpalayam Booster	Submersible	5	Edayarpalayam Near Annur	
11	Dasampalayam Booster	Submersible	10	Dasampalayam Near Attayam palayam Junction.	
12	Avinashilingampalayam Online Booster	Centrifugal	7.5	Near Avinashi	
13	Velur Booster	Submersible	10	Near Thiruppur New Bus Stand	
14	Pandian Nagar Booster	Submersible	25	Near Thiruppur New Bus Stand	
15	Pooluvapatty Booster	Submersible	7.5	Near Thiruppur New Bus Stand	
16	Boyar Colony Booster	Submersible	35	Near Thiruppur New Bus Stand	
17	Chandrapuram Booster	Submersible	35	Near Thiruppur New Bus Stand	