

**CWSS TO KOODAPALLI AND 129 RURAL HABITATIONS IN MUSIRI AND MANACHANALLUR UNIONS IN THIRUCHIRAPPALLI DISTRICT**

**SALIENT DETAILS**

1	Administrative sanction	G.O. Ms No.139/MAWS (WS3) dated 28.7.2010 for Rs. 1616.00 Lakhs			
2	Technical Sanction	CE/TNJ/48/2010-11/dt.25.2.2011 for Rs.1594.00 lakhs			
9	Population	Census	Present	Intermediate	Ultimate
		2001	2012	2027	2042
		68030	72526	79789	87029
10	Percapita supply	30 LPCD			
11	Sustainability of water	10 LPCD			
12	Requirement of water with 10 % Industrial Demand Provision & 10% Losses in the system	2.63 MLD	2.91MLD	3.17 MLD	
13	Hours of Pumping	23 Hours for Head works & Booster Sump			
		12Hours for Group Sumps.			
14	Rate of discharge for 23 hours	<b>Present</b>	<b>Intermediate</b>	<b>Ultimate</b>	
		1907 LPM	2109 LPM	2294 LPM	
15	Head Works.	3 Number of Infiltration wells 4.50 m dia X 8 m depth in River Coleroon flowing near Koodapalli Village			
		Diameter		4.50 m ID X 8M Depth	
16	Pump Room	Size : 8 M Inner Dia			
17	Pumpsets@ I.W	OW Submersible Pumpset 703LPM X 19 M head,703LPM X20M head & 703LPM X 21 M head(100% Standbye)			
18	Collection Sump	1.50 LL Capacity			
19	Pumpsets @ Collection Sump	OW Submersible Pumpset 1853LPM X 57 M head,256LPM X15 M head (100% Standbye)			
20	Connecting Main	150 mm DI D/F K9 Pipes-1800 M(450+550+800 M)			
21	Pumping Main	Koodapalli sump to Poonampalayam Booster sump:Direction-I LS 0 M - LS 9550 M 250 MM DI K7 -- 9550 M			
		Koodapalli sump to Rajagopal nagar Group sump:Direction -II			
		TOTAL LENGTH			1920 M
		Direction I. Poonampalayam Booster sump to Edumalai Group sump			
		TOTAL LENGTH			15065 M
		<b>Direction II. Poonampalayam Booster sump to Sathanur GS.</b>			
TOTAL LENGTH			17585 M		

22	<b>Branch Mains from Pumping Main</b>				
<b>Koodapalli collection sump to Poonampalayam Booster sump</b>					
	<b>Branch LS</b>	<b>Feeding point</b>	<b>Pipe details</b>		
	at 2020 M,at 3340 M,at3910M,at7960m,at9490M	Pachur Group sumpKopurapatty Group sumpThirupanjaliVellakulam	60 M,30M,4320M,2340M,30M,10M		
<b>Koodapalli collection sump to Rajagopal nagar Group sump sump</b>					
	<b>Branch LS</b>	<b>Feeding point</b>	<b>Pipe details</b>		
	at 490 M	Srirangarayapuram Group sump	90 MM PVC 4 KSC 30 M		
<b>Poonampalayam Booster sump to Edumalai Group sump</b>					
	at LS 2190 M,at5220M,7200M,7230M,8960M,	Rasampalayam Ayyampalayam ,ThathamangalamCholan mozhi nagarKonalaiNear AK NagarThirupattur ADC94 KariyamanickamThaluthala patty	10 M,150M,60M,11640m,30,30,9885M,310M,30M		
<b>Poonampalayam Booster sump to Sathanur GS.</b>					
	at LS 2880 M	Thiruvellarai group sump	63 MM PVC 4 KSC 150 M		
	at LS 5130 M	Salaipatty group sump	50 MM PVC 6 KSC 15 M		
	at LS 10530 M	Omandur group sump	75 MM PVC 4 KSC 15 M		
	at LS 16110 M	Puthanampatty group sump	63 MM PVC4 KSC 2100 M		
	at LS 16540 M	Abinimangalam group sump	63 MM PVC 4KSC 30 M		
23	Booster sump at Poonampalayam - 1 No.		0.90 LL Capacityand Group sumps 24nos		
<b>24</b>	<b>SERVICE RESERVOIRS</b>		<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
	<b>Total</b>		<b>125</b>	<b>10</b>	<b>135</b>
25	<b>Distribution System and Public fountains</b>				
			<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
	Distribution system		150000 M	6500 M	156500 M
	Public fountain		631 Nos.	21Nos.	652 Nos.
26	<b>Cost of installation</b>		<b>Rs.1594.00</b>	<b>lakhs</b>	
27	<b>Annual Maintenance cost</b>		<b>Rs.54.55</b>	<b>lakhs</b>	
28	<b>PER CAPITA COST</b>				
	Present			<b>Rs. 2198</b>	
	Intermediate			<b>Rs. 1998</b>	
	Ultimate			<b>Rs. 1832</b>	
	Cost / 1000 lits of water			<b>Rs. 10.14</b>	

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