

**AUGMENTATION OF WATER SUPPLY TO PALLADAM MUNICIPALITY,  
23 TOWN PANCHAYATS AND 965 RURAL HABITATIONS IN COIMBATORE AND  
TIRUPPUR DISTRICTS WITH PILLUR RESERVOIR AS SOURCE.**

**SALIENT DETAILS**

<b>G.O.Ms.No.162/ MA &amp; WSI / Dept./ dt. 11.8.2010 for Rs.224.92 Crore. TECH. SANCTION ACCORDED: Rs. 206.60 Crore.</b>		
<b><u>Beneficiaries</u></b>		
<b>a. Municipality – 1 No. (UIDSSMT)</b>		
<b>Tiruppur District :</b> 1. Palladam		
<b>b. Town Panchayats – 16 Nos.(JNNURM)</b>		
<b><u>Coimbatore District</u></b>	9) Kalapatti	
1) No.4 Veerapandi	10)Vellalore	
2) Periyanaickenpalayam	11)Madukkarai	
3) Narasimmanaickenpalayam	12)Ettimadai	
4)Thudiyalur	13)Irugur	
5) Vellakinar	14)Pallapalayam	
6) Idigarai	15)Kannampalayam	
7) Saravanampatti	16)Sulur	
8) Chinnavedampatti		
<b>c. Town Panchayats – 7 Nos. (UIDSSMT)</b>		
<b><u>Coimbatore District</u></b>	5)Thirumalayampalayam	
1)Gudalur	6)Karumathampatti	
2) Sarkarsamakulam	<b><u>Tiruppur District</u></b>	
3) Chettipalayam	7) Samalapuram	
4) Othakkalmandapam		
<b>d. Panchayat Unions – 8 Nos. – 965 Habitations (MNP)</b>		
<b><u>Coimbatore District</u></b>	5)Sulur	88
1) Karamadai 94	6)Sultanpet	110
2) Periyanaickenpalayam 148	<b><u>Tiruppur District</u></b>	
3) Sarkarsamakulam 89	7)Palladam	163
4) Madukkarai 60	8)Pongalur	213
	<b>Total</b>	<b>965</b>

**Population and Demand**

Beneficiary	Population		Demand in MLD
	2010(B)	2025(I)	2025(I)
Municipality (1 No.) (90% Pop @ 135 lpcd & 10% Pop @ 70 lpcd)	36,850	51,750	7.648
Town Panchayats (16 Nos.) (90% Pop @ 135 lpcd & 10% Pop @70 lpcd)	2,96,000	4,06,825	60.119
Town Panchayats (7 Nos.) (100% Pop @ 70 lpcd)	1,27,700	1,77,900	14.321
965 rural habitations (100% Pop @ 40 lpcd)	5,27,719	5,92,641	29.494
Industries	-	-	13.418
Total	-	-	125.000
Wash water Losses @ 5%	-	-	6.250
Total	9,88,269	12,29,116	131.250

<b>Source</b>	Pillur Reservoir (Bhavani River)
Intake well	21m – Dia 1 No-(Existing)
Raw water pumping main from Head works to Tunnel entry	480m – 1,500mm MS pipe(Existing)
Raw water Tunnel	3,850m (Existing)
Raw water Pump set (for Intermediate stage)	6 Nos – 440 HP (2 Nos standby) Vertical turbine 22,787 lpm x 53 m head (Taken up under revamping)
Raw water Transmission main from Tunnel exit to Treatment works	1,050m – 1,500mm PSC pipe (Existing)
Treatment Plant (Existing)	131.25 MLD at Velliankadu
Clear water Pump set (for Intermediate stage)	6 Nos – 400 HP (2 Nos standby) Vertical turbine 21,702 lpm x 54 m head (Taken up under revamping)
Clear water Transmission	10870m – 1500mm MS pipe(Existing)
Clear water Tunnel	800m (Existing)
Transmission Main	Existing: Tunnel Exit - Sathy Road:1,500mmMS/PSC–17,099m Sathy Road – BSR: 700mm AC- 5,857m Ex.BSR - Singanallur-Pirivu:700mmAC–5,653m Proposed: Sathy Road - BSR(Pro):1,020 mm MS – 630 m BSR (Pro)-Palladam: 916 to 510 mm MS & 200 mm DI – 44,606 m
Other important components	15 LL Cap. BSR – 1 No at Vilankurichi (Existing) 15 LL Cap. BSR – 1 No at Marutham Nagar (Prop)

<b>Infrastructure</b>		<b>Total</b>	<b>Municipality</b>	<b>Town Panchayats</b>	<b>Rural Habitations</b>
Feeder Main (Km)	Existing	993.653	8.868	471.865	512.92
	Proposed	623.758	11.741	308.917	303.10
Service Reservoirs	Existing	1,133 Nos	10 Nos	130 Nos.	993
	Proposed	102 Nos	-	77 Nos.	25
Distribution System (Km)	Existing	1,936.20 Km	64.20 Km	523.60 Km	1348.40 Km
	Proposed	483.566 Km	-	408.540 Km	75.026 Km

### **Cost**

<b>Sl. No</b>	<b>Beneficiaries</b>	<b>Installation Cost</b>	<b>AM Cost</b>	<b>Cost/1000 litre</b>	<b>Per Capita Cost</b>
		<b>(Rs. in Lakhs)</b>		<b>(Rs.)</b>	
1	Palladam Municipality (UIDSSMT)	1,604.49	61.18	7.47	4,354
2	7 Town Panchayats (UIDSSMT)	1,764.76	114.57	4.99	1,382
3	16 Town Panchayats (JNNURM)	8,220.71	438.84	5.96	2,777
4	965 Rural Habitations (MNP/ NRDWP)	9,070.04	385.41	5.63	1,719
	<b>Total</b>	<b>20,660.00</b>	<b>1,000.00</b>	<b>5.81</b>	<b>2,091</b>