

SALIENT DETAILS
Providing WSIS to Palani Municipality in Dindigul District

Administrative Sanction	G.O. (D) No. 85 / MA & WS (MA2) / Dated 21.2.2011		
Installation Cost	Rs.21.60 Crore.		
A.M.Cost	Rs.87.89 Lakh		
Funding pattern (Rs. in crore)	Capital Grant under JICA assisted TNUIP	Loan under JICA assisted TNUIP	ULB contribution
Project Cost : Rs. 21.60 cr	6.48	12.96	2.16
Population and Requirement	Base Year (2012)	Intermediate (2027)	Ultimate (2042)
Population	79519	90069	100620
Floating Population	20000	20000	20000
Pro rata supply	135 lpcd		
	20 lpcd for floating population		
Requirement in mld	10.735	12.159	13.584
For floating population (in mld)	0.40	0.40	0.40
For Sivagiri patti Panchayat and Devasthanam (in mld)	2.00	2.00	2.00
UFW @ 15% (in mld)	1.970	2.184	2.398
Total Clear Water Requirement (in mld)	15.105	16.743	18.382
Total Raw Water Requirement (in mld)	15.580	17.245	18.933
Existing Components :			
First Scheme			
Source	Kodaikkanal Silver falls - Checkdam - 19m wide.		
Gravity Main	450 mm RCC pipe - 3000 m		
Summer Storage Tank	5.00 mld		
Service Reservoir	4 Nos. (6.81 LL - 1 No., 5.00 LL - 1 No., 5.83 LL - 1 No., 1.50 LL - 1 No.)		
Second Scheme			
Source	Raw Water Intake Tower in River Palar.		
Raw Water Pumpset	75 HP, Vertical Turbine Pumpset - 2 Nos. (8193 lpm x 28 m Head)		
Raw Water Pumping Main	736 m (400 mm CI D/F pipe - 60 m, 400 mm CI S/S pipe - 676m)		
Fullscale Treatment Plant	11.18 mld		
Clear Water Pumping Main	8903m (400 mm CI LA pipe - 478 m, 400 mm AC CI 10 pipe - 8425m)		
Branch Pumping Main	236 m (250 mm CI LA pipe - 58 m, 250 mm AC CI 10 pipe - 178 m)		
Service Reservoir	2 Nos. (12.50 LL)		
Total Distribution System	80.70 KM (PVC, CI, AC)		
Proposed Components			
	Constant Head Chamber at Kodai Head works - 1 No.		
	Chlorinator Room - 6.00 m x 4.00 m		
	Replacement of existing Pumping Main from Palar Head Works to SR at Taluk Office (450 mm DI K9 - 8712 m)		
	Branch Main to connect SR at Dindigul road. - (100 mm DI K7 - 20 m, 200 mm DI K 7 - 465 m).		
	Branch Main to connect SR at Gandhipuram.-(250 mm DI K7- 676 m).		
	Replacement of existing Gravity Main from Check Dam to SST (450 mm DI K7 - 3000 m)		
	Service Reservoir - 1 No. (10.00 LL)		
	Distribution System - 75.07 KM (100 mm - 400 mm DI K7)		
	HSC - 10000 Nos.		