

SALIENT DETAILS

Name of Scheme	Improvements to Water Supply System in Kadayanallur Municipality of Tirunelveli District.		
Installation Cost	Rs.21.41 Crore		
A.M.Cost	Rs.24.3 Lakhs.		
Population and Requirement	Base Year (2010)	Intermediate (2025)	Ultimate (2040)
Population	90100	113300	142400
Requirement at 90 lpcd including 10% transmission loss.	8.92 MLD	11.22 MLD	14.10 MLD
Present supply availability	7.26 MLD	8.61 MLD	8.61 MLD
Net Requirement including 10% transmission loss	1.66 MLD	2.61 MLD	5.49 MLD
Hours of pumping	23 Hours		
	Existing		Proposed
Head works Source	Openwell 2 Nos Infiltration well 1 No Collection well cum 1 No. Pump house with infiltration gallery Kadayanallur– Puliyangudi CWSS		Construction 35 m of weir - Open Well 5 Nos.
Control room	3m x 3m -1No		3m x 3m -1No
Sump	3LL capacity –1No (at Weekly Market)		2.05 LL capacity –2 Nos (at Periyamayagam koil& at Kallar) 4.55 LL capacity –1 No (at Karuppanadhi Ex.H.W)
Pump room	1 No		1 No (3m x 3m)
Connecting Main	2940 m (150mm CI)		3160m (100mm DI K7)
Gravity Main (Kallar Sump to Booster sump at Karuppanadhi Head works)	---		3250 m (200 mm DI K7 &150 mm DI K7)
Feeder Mains to Service Reservoirs.	5435 m (300 CI, 400 AC CL 10, 250 AC CI.10, 150 CI &100 CI)		12390 m (250 mm DI K7, 200 mm DI K7, 150 mm DI K7 & 100 mm DI K7)
Service Reservoirs(13Nos)	0.9LL 1No 4 LL 1No 4.5 LL 1No 6.75LL 1No 7LL 2Nos Total 6Nos		0.8LL 1No 1.6 LL 1No 2.4 LL 1No 2.7LL 2Nos 3.6LL 1No 5.4LL 1No Total 7Nos
Distribution System (including replacement)	--		88.035 Kms