

SALIENT DETAILS

C.W.S.S. TO Nanguneri, Thisayanvilai TPs and rural habitations

1	Scheme Cost	Rs.4300 Lakhs
2	Beneficiaries	: Town Panchayat - 4 Nos Habitations - 340 Nos
3	Populations	: 2,96,454
4	Designed Quantity	8.68 mld
5	Head works with Source details	: 10 Nos of 3.50m dia infiltration wells at Pathamadai Head works (Sub surface water from Thamirabarani river)
6	Pumpset	
a	Type	a)Vertical Turbine Pumpset b) Submersible Pumpset
b	Duty	a)90HP X 7230LPM X 39m Head-1 No with standby b) 5 HP X 725 LPM X 15m Head - 10 Nos with standby
c	Hours of Pumping	a)20 Hours b)20 Hours
7	Treatment Plant	Nil
8	Transmission Main	

a	Pumping main	63.99 km			
b	Gravity main	.---			
9	Booster station	Main booster - 6 Nos, Way side booster -14 Nos,			
a	Sump with capacity	2.50 LL - 2 Nos, 1.50 LL -1 No 1.00 LL - 2 Nos 0.50 LL - 2 Nos 0.15 LL - 5 Nos 0.10 LL - 8 Nos 0.05 LL -1 No			
b	Pumpset details	Centrifugal pumpset (HSC) - 8 Nos, Centrifugal mono block pumpset - 28 Nos, Submersible Pumpset - 22			
10	Feeder Mains/Branch pumping line	451 km			
11	Service Reservoirs with capacity	SR	Existing	New	Total
		5000lit	2	0	2
		10000lit	40	24	64
		15000lit	35	11	46
		30000lit	52	19	71
		60000lit	20	06	26
		100000lit	9	0	09
		135000lit	1	0	01
		500000lit	1	0	01
				Total	220 nos

FLOW DIAGRAM

CWSS to Nanguneri UTP Thisayanvilai UTP & 342 habitations in Tirunelveli District

