

SALIENT DETAILS

3MGD Water Supply Scheme

1	Scheme Cost		Rs.76.50 Lakhs
2	Beneficiaries	:	1) Private -- 83 Nos. 2) Habitations - 66 Nos.
3	Populations	:	66,301
4	Designed Quantity	:	13.64 mld
5	Head works with Source details	:	Tamiraparani River Surface water near Valavallan
6	Pumpset		
a	Type		Turbine Vertical type pump set
b	Duty		40HPx9883x13.30m
c	Hours of Pumping		16 Hours
7	Treatment Plant (with Units Details)		Rapid sand filter with 2 units.
	b) Clear water pumpset		100 HP Centrifugal x9474 lpmx37m
8	Transmission Main		
a	Pumping main		525mm CI pipe - 21.09 km 350mm CI pipe - 3.86 km 150 to 80mm CI pipe - 5.46 km
b	Br. Pumping main		150 to 80mm AC pipe - 5.32 km 280mm PVC pipe - 8.42km 160mm to 63 mm PVC pipe - 15.58km
9	No of Group sump with capacity		1. Muthaiahpuram sump - 130000 lit 2. Kovankadu sump - 10000 lit. 3. Palayakayal sump - 30000 lit.
10	Service Reservoirs with capacity		1. 1.00 LL - 1 No. 2. 60000 lit. -10 nos. 3. 40000 lit - 2 no. 4. 30000 lit - 18 nos. 5. 15000 lit - 1 no. 6. 10000 lit. - 3 nos.



Southern Railway
LS 7239m

280mm PVC Main

8 Beneficiaries

LS 2005m

LS 2305m

280mm PVC Main

525mm CI Main

LS 20272m

525mm CI Main

350mm CI Main

LS 24748m

Tuticorin
Port Trust
Sump

Coast Guard

TWAD BOARD
3MGD WSS
FLOW DIAGRAM

--- Not to Scale ---

To Valavilan

125mm AC Main

Valavilan
Head Works

LS 3615m

525mm CI Main

LS 17663m

525mm CI Main

Collecting
Well

RIVER THAMBIRABARANI