

SALIENT DETAILS

CWSS TO PADMANABHAPURAM IN KANYAKUMARI DISTRICT

1. Scheme Cost	:	Rs. 231.10 lakhs
2. Beneficiaries		
a) Town Panchayat	:	6 Nos
b) Habitations	:	17 Nos
3. Populations	:	59,684
4. Designed Quantity	:	4.32 mld
5. Head works with Source details	:	4 Nos of I.W. @ Kuzhithuraiyar river
6. Pumpset	:	7.50 HP – 6 Nos 75 HP
a) Type	:	Submersible Turbine
b) Duty	:	870 Lpm x 19m Head 5219 Lpmx44m Head
c) Hours of Pumping	:	18Hours
7. Transmission Main	:	
a) Pumping main	:	22,580m
Size of pipe		Length
1) 400mm CI LA cl.pipe	:	102m
2) 350mm AC Pipe	:	8998m
3) 250mm AC Pipe	:	3980m
4) 90mmto 50mm PVC Pipe	:	9500m
Total	:	22,580m
b) Gravity main	:	8,289m
Size of pipe		Length
1) 250mm AC pipe	:	5589m
2) 150mm AC Pipe	:	1450m
3) 140mmto 90mm PVC Pipe	:	1250m
Total	:	8,289m
8. (i) Head Works	:	Kallupalam
a. Sump with capacity	:	1.80 lakh litres
b. Pumpset details	:	75 HP Turbine
		5219 Lpmx44m Head
(ii) Booster Station	:	Attoor

a.	Sump with capacity	:	3.50 lakh litres
b.	Pumpset details	:	125 HP Centrifugal 5219 Lpmx77m Head
(iii)	Booster Station	:	Mekkamandapam
a.	Sump with capacity	:	1.50 Lakh litres, 0.60 Lakh litres
b.	Pumpset details	:	25 HP Turbine 1840 Lpmx36m Head
9.	Feeder Mains	:	
	250m AC Pipe	:	5590m
	150mm AC Pipe	:	1450m
	140mm to 90mm PVC Pipe	:	3500m
10.	Service Reservoirs with capacity	:	11 Nos
	4.00 lakh litres	:	1 No
	3.00 lakh litres	:	1 No
	2.50 lakh litres	:	1 No
	2.00 lakh litres	:	3 Nos
	1.00 lakh litres	:	2 Nos
	60000 litres	:	2 Nos
	30000 litres	:	1 No



TWAD BOARD SCHEMATIC DIAGRAM

PADMANABAPURAM MUNICIPALITY COMBINED WATER SUPPLY SCHEME

