

SALIENT DETAILS

CWSS TO ALAPAKKAM AND OTHER HABITATIONS VILLUPURAM DISTRICT

1. Scheme Cost	:	Rs. 158.59 Lakhs
2. Beneficiaries	:	17 Rural Habitations
3. Population	:	25200
4. Designed Quatity (2006)	:	0.40 MLD
5. Headworks with source details	:	Borewell 1 – 150 mm dia 33 m depth 198 lpm yield Borewell 2 – 150 mm dia 27 m depth 164 lpm yield Borewell 3 – 150 mm dia 21 m depth 164 lpm yield Head works Sump 30,000 lits - 1 No
6. Pumpset		
a) Type	:	1) 4 HP Submersible P' Set 2) 5 HP Open well Submersible P' Set
b) Duty	:	1) 127 lpm X 29 m Head(3+3) 2) 509 lpm X 29 m Head (1+1)
c) Hours of Pumping	:	16 Hours
7. Treatment Plant (With unit details)	:	- Nil-
8. Transmission Main		
a) Pumping Main	:	160 mm PVC Pipe - 1434 m 140 mm PVC Pipe - 2406 m 110 mm PVC Pipe - 693 m 90 mm PVC Pipe - 636 m
Total		5169 m

b) Gravity Main	:	-NIL-	
9. Booster Station	:	-	
a) Sump with capacity	:	-	
b) Pumpset Details	:	-	
10. Feeder Mains	:	90 mm PVC pipe 3500 m	
		63 mm PVC pipe 1215 m	
		50 mm PVC pipe 11268 m	
Total			15983 m
11. Service Reservoirs with capacity	;		
		1,00,000 Lits – 1 No,	60,000 Lits - 2 Nos
		30, 000 Lits – 11 Nos	10,000 Lits - 6 No

ALAPAKKAM CWSS IN MARAKKANAM UNION OF VILLUPURAM DISTRICT

FLOW DIAGRAM

