

SALIENT DETAILS

C.W.S.S. TO MANGALORE AND 21 OTHER HABITATIONS IN MANGALORE UNION OF CUDDALORE DISTRICT




1	Scheme Cost		Rs. 435.09 lakhs
2	Beneficiaries	:	22 Habitations
3	Populations	:	174 28
4	Designed Quantity		0.697 MLD
5	Head works with Source details	:	Borewell - 200mm dia - 6 Nos.
			Depth - 110m
6	Pumpset		
a	Type		Borewell -Submersible
	Pumpset		1) Vertical Turbine P'set
			2) Submersible P'set
b.	duty		Borewell - 7.50HP Submersible (445 lpm x 33m head)
	Pumproom		
	1) Pumpset - I		80 HP Vertical Turbine (2100 lpm x 80m head)
	2) Pumpset - II		2 HP Submersible pumpset (100 lpm x 20m head)
c	Hours of Pumping		12 Hours
7	Transmission Main		
	a) Pumping Main - Connecting main		100mm CID/F pipe from 6 Borewell - 2060m
			Pumping main from HW to Orangur
			250mmdia CI pipe - 4180 m
			250mm AC CI 15 pipe - 9820 m
			250mm AC CI 15 pipe - 2670 m
			16670 m
			Branch main to Vaithyanathapuram
			90mm OD PVC pipes - 1560 m
			Branch main to Keelkalpoondi
			90mm PVC pipe - 3100 m

		Branch main to Poyanapadi		
		140mm OD PVC pipes	-	10450 m
		110mm OD PVC pipes	-	1000 m
				11450 m
		Branch main to S.Naraiyur		
		140mm OD PVC pipes	-	9620 m
		Branch main to Vallimaduram		
		90mm OD PVC pipes	-	15640 m
		Branch main to Orangur		
		90mm OD PVC pipes	-	3900 m
		Branch main to Malaiyanur		
		90mm OD PVC pipes	-	1450 m
		Branch main to Kanchirankulam		
		90mm OD PVC pipes	-	1630 m
b	Gravity main	- NIL -		
8	Booster station			
a	Sump with capacity	1	Keelkalpoondi	10000 lits
		2	Orangur	60000 lits
		3	Mangalore	10000 lits
		4	Poyyanapadi	10000 lits
b	Pumpset details			
	Sump at Keelkalpoondi	5 HP Submersible pumpset - 2 Nos.		
		Duty 319 lpm x 26m head		
	Sump at Orangur	15 HP Submersible pumpset -2 Nos.		
		Duty 744 lpm x 46m head		
	Sump at S.Naraiyur	10 HP Submersible pumpset - 2Nos.		
		Duty 574 lpm x 39m head		
	Sump at Vallimaduram	3 HP Submersible pumpset - 2Nos.		
		Duty 188 lpm x 31m head		
	Sump at Orangur	2 HP Submersible pumpset - 2Nos.		
		Duty 233 lpm x 19m head		
	Sump at Mangalore	3 HP Submersible pumpset - 2Nos.		

		Duty 348 lpm x 19m head
	Sump at Poyanapadi	2 HP Submersible pumpset - 2Nos.
		Duty 183 lpm x 13m head
9	Feeder Mains:	- NIL -
10	Service Reservoirs	22 Nos.

**SCHEMATIC PLAN FOR CWSS TO MANGALORE AND 21 OTHER HABITATIONS IN MANGALORE UNION
OF CUDDALORE DISTRICT.
SCHEMATIC DIAGRAM**

LEGEND

-  ELEVATED SUMP
-  BORE WELL
-  OHT

