

C.W.S.S. TO 114 Coastal Habitations in Kollidam Union

1	Scheme cost:	Rs. 927.83 Lakhs.
2	Beneficiaries	Habitations - 114 Nos
3	Population	89166
4	Total Daily Requirement:	3.57 mld
5	Hours of Pumping	20 Hours
6	Source	Sub surface water from River Coleroon
7	Head Works	1) 4.50m dia. Infiltration well - 2 Nos. 2) 100 mm dia shallow borewell - 6 Nos.
a)	pumpset	1)10 HP Submersible Pumpset 2000 Lpm X 19 M - 3 Nos. 2)5 HP Centrifugal Pumpset 300 Lpm X 14 M - 6 Nos.
b)	Collection sump	1,00,000 litres capacity
c)	pumpset	25 H.P Centrifugal pumpset -2nos Duty : 5578 lpm x 23m Head. Duty : 3963 Lpm X 19 m Head.
8	Transmission Main	
9	Booster station	1 No.
a	Sump with capacity	Palayapalayam- 1.0 LL cap.
b	Pumpset details	i) 3 HP Monoblock P'sets 200 lpm X 25 m - 2 Nos ii) 20 HP Centrifugal P'set 876 lpm X 41 m - 2 Nos iii) 25 HP Centrifugal P'set 1509 lpm X 34 m - 2 Nos

iii) 25 HP Centrifugal P'set
1380 lpm X 37 m - 2 Nos

10 **Feeder Mains:**

CI/ AC/PVC- 99497 m

11 **Service Reservoirs with
capacity**

10,000 lits - 37 nos

30,000 lits - 45 nos

60,000 - 12 nos

1,00,000 - 1nos

2,00,000 - 1 no.

96 Nos

**CWSS TO 108 COASTAL HABITATIONS IN
KOLLIDAM UNION IN NAGAPATTINAM DISTRICT
FLOW DIAGRAM FOR PUMPING MAIN**

