

SALIENT DETAILS

CWSS TO MUZHUCODE IN KANYAKUMARI DISTRICT

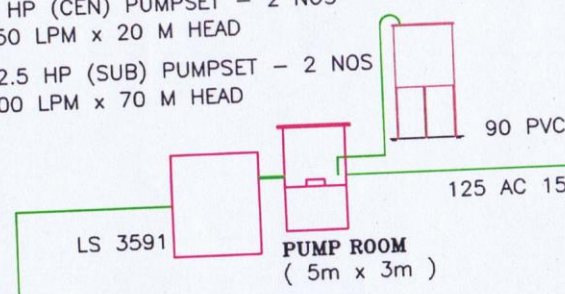
1. Scheme Cost	:	Rs.40.54 lakhs
2. Beneficiaries		
a) Town Panchayat	:	1 No
b) Habitations	:	16 Nos
3. Populations	:	18,520
4. Designed Quantity	:	0.47 mld
5. Head works with Source details	:	1 No. of I.W.@ Kuzhithuraiyar River
6. Pumpset	:	15 HP
a) Type	:	Submersible
b) Duty	:	650 Lpm x 65m Head
c) Hours of Pumping	:	18 Hours
7. Transmission Main	:	
a) Pumping main	:	6,580m
Size of Pipe		Length
140mm PVC Pipe	:	3485m
125mm AC cl.15 Pipe	:	1665m
110mm PVC Pipe	:	1430m
	Total :	6580m
8. (i) Booster Station	:	Pallikonam
a. Sump with capacity	:	2.00 lakh litres
b. Pumpset details	:	i) Submersible 12.50 HP 400 Lpmx70m Head ii) Centrifugal 3 HP 250 Lpm x 20m Head
9. Feeder Mains : 90mm PVC Pipe	:	200m
10. Service Reservoirs with capacity	:	4 Nos
1.50 lakh litres	:	1 No
1.00 lakh litres	:	1 No
60000 litres	:	2 Nos

**TWAD BOARD
SCHEMATIC DIAGRAM**
MUZHUCODE COMBINED WATER SUPPLY SCH

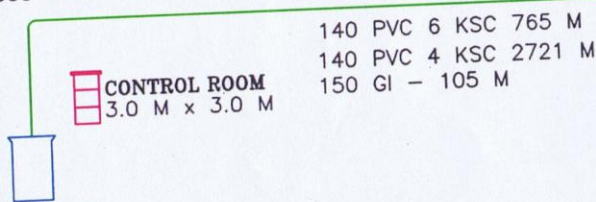
SR @ PALLIKONAM
CAP : 1,00,000
GL : 44.780
LWL : 52.280
MWL : 54.780
PF : 32

3 HP (CEN) PUMPSET - 2 NOS
250 LPM x 20 M HEAD

12.5 HP (SUB) PUMPSET - 2 NOS
400 LPM x 70 M HEAD



15 HP (SUB) PUMPSET
658 LPM x 63 M HEAD - 2 NOS



CONTROL ROOM
3.0 M x 3.0 M

SUMP @ PALLIKONAM
CAP : 2,00,000 LIT
GL : 44.58
LWL : 41.580
MWL : 44.580

SOURCE : RIVER KUZHITHURAIYAR
LOCATION : CHITHARAL
TYPE : INFILTRATION WELL
SIZE : 3.5 M ϕ , DEPTH : 6.25 m ϕ
YIELD : 600 LPM