

SALIENT DETAILS

C.W.S.S. TO VELLALAPALAYAM & VELLANKOIL AND EXTENSION OF WATER SUPPLY TO 23 HABITATIONS IN NANJAIGOBI & 3 VILLAGE PANCHAYATS

1	Scheme Cost	Rs 455.20 Lakhs
2	Beneficiaries	: Habitations - 56 Nos + Extention Habitations - 23 Nos
3	Populations	: 30,276
4	Designed Quantity	1.80 mld
5	Head works with Source details	: Collection well cum Pump House in River Bhavani
6	Pumpset	
a	Type	Raw Water - Turbine
b	Duty	1733 LPM X 23 M HEAD-15.0 HP
c	Hours of Pumping	Vellalapalayam & Vellankoil - 16 Nanjaigobi Extension - 2.5
7	Treatment Plant	Full scale treatment unit-1.67 MLD With following Units Aerator,Flashmixture,Stilling Chamber,Clarifloculator,Filterhouse, clearwater reservoir,chlorination plant etc
8	Transmission Main	
a	Pumping main	64.63 KM
b	Gravity main	NIL
9	Booster station	
a	Sump with capacity	
	Clear Water Reservoir	1.00 LL
	Booster at Sengottaiannagar	0.30 LL
	Booster at Vellalapalayam	1.50 LL

b Pumpset details

Clear Water Reservoir

a) HSC-50 HP-1650 LPM X77 m

Booster at Sengottaiannagar

a) 30 HP HSC-901 LPM X 63 m

b) 7.50 HP-MONOBLOC-250LPMX40 m

c) 3.0 HP MONO-180 LPMX35 m

Booster at Vellalapalayam

a) 3.0 HP SUB 204 LPM X 28 m

b) 3.0 HP-SUB-154 LPM X 35 m

c) 3.0 HP SUB-125 LPMX25 m

10 Feeder Mains:

NIL

11 Service Reservoirs

1.00 LL- 2 Nos

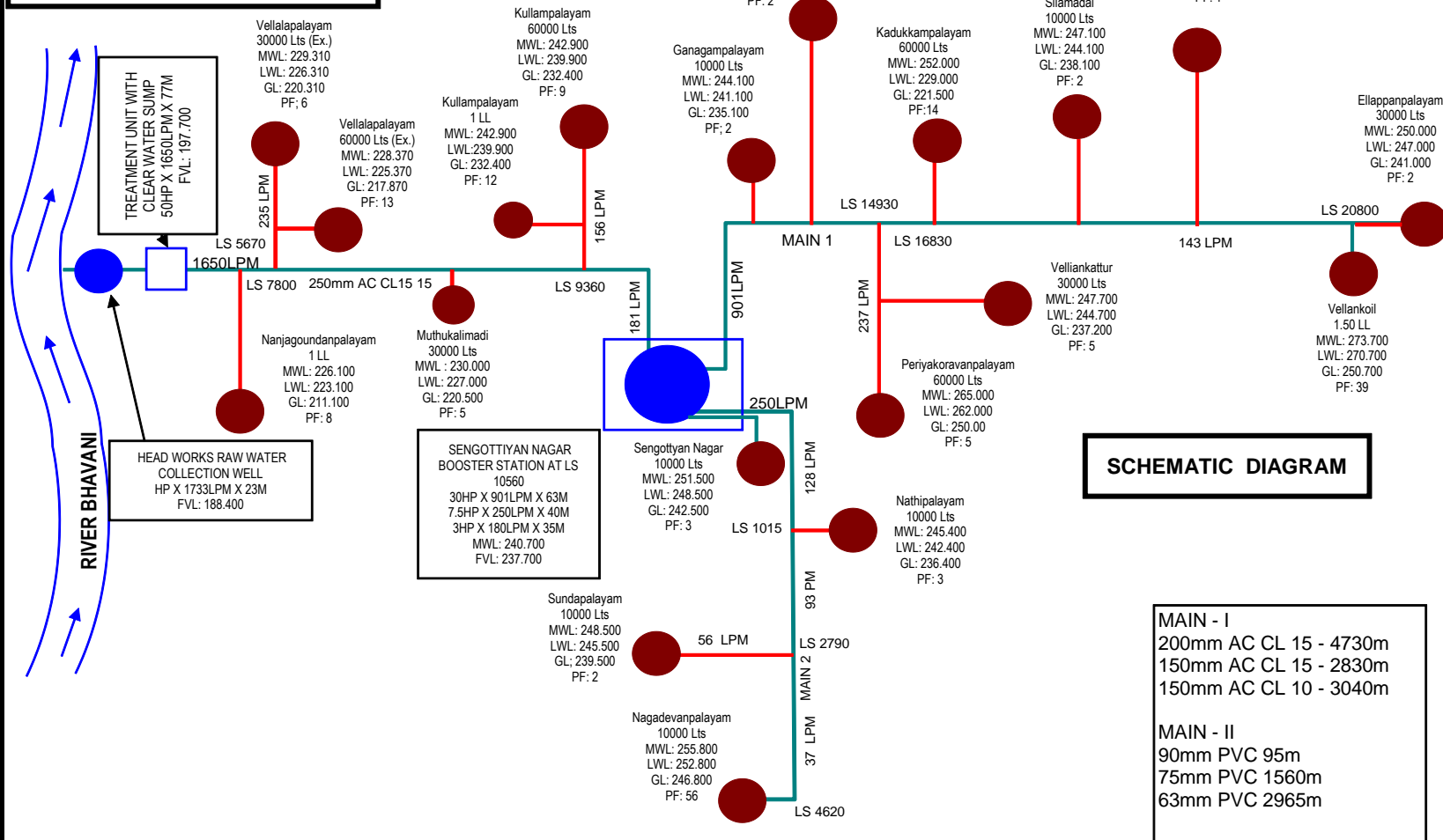
1.50 LL - 1 No

0.60 LL - 9 Nos

0.30 LL - 13 Nos

0.10 LL - 17 Nos

CWSS TO VELLALAMPALAYAM & VELLANKOVIL & 54 OTHER HABITAION IN GOBI UNION



SCHEMATIC DIAGRAM

MAIN - I
 200mm AC CL 15 - 4730m
 150mm AC CL 15 - 2830m
 150mm AC CL 10 - 3040m

MAIN - II
 90mm PVC 95m
 75mm PVC 1560m
 63mm PVC 2965m

**EXTENSION OF WS TO
NANJAIGOBI & 3 VPS FROM
VELLALAPALAYAM CWSS
SCHEMATIC DIAGRAM**

