

SALIENT DETAILS

CWSS TO VANAPURAM – LADAVARAM AND OTHER HABITATIONS IN THIRUVANNAMLAI DISTRICT

1.	Scheme Cost	:	Rs.732.00Lakhs
2.	Beneficiaries	:	Habitations – 81 Nos.
3.	Populations	:	47216
4.	Total Daily Requirements	:	1.443 mld
	Head works with source details	:	Off takewell 4 m dia in Thenpennaiyar River - Pickup dam.
5.	Pump set	:	
a.	Type	:	Openwell Submersible Pumpset
b.	Duty	:	1270 lpm x 25m Head
c.	Hours of Pumping	:	23 Hours
5.	Treatment Plant (with Units details)	:	1) Aerator - 1 No. (Type design) 2) Holding tank 3) Sitling champer 3 m length. 4) Measuring channel 2 m length. 5) Clarifeculetor - 1 No. 6) Filter house - 1 No. 7) Sludge well - 1 No. 8) Clear water sump 1.00 LL 9) Pump room 8 x 6m. 10) Clear water pumpset submersible 25 HP (1209 lpm x 60m) 2 nos.

6. Transmission Main :
Pumping main : Raw Water main 200mm CA LA – 610m

CLEAR WATER PUMPING MAIN FORM TREATMENT SITE TO STAND POST

200mm OD Pvc 6 Ksc : 2130m

200mm OD Pvc 4 Ksc : 1639m

200mm DI K7 pipe line : 91m

STAND POST

One Lakh litre 12m staging height service reservoir @ Mottur (Nallalanpalyam)

GRAVITY MAIN

From Stand post to Kilvannakambadi sump

250mm OD PVC 4 KSC pipe line : 8843.50m

250mm DI K7 pipe line : 682.50m

Branch to Thandarampet and Se.Guddalore sumps

110mm OD PVC 4 KSC pipe line : 5852.00m

100m GI pipe line : 228.00m

PUMPING MAIN

From Kilvannakkampadi – TWAD Lab sump

200mm OD PVC 4 KSC pipe line : 16106.00m

200mm DI K7 Pipe line : 1232.00m

From TWAD Lab-Anjugam Nagar sumps

140mm OD PVC 4 KSC pipe line : 3023.00m

PUMPING MAIN

From Anjugam Nagar to Kondam sumps

140mm OD PVC 6 KSC pipe line : 4801.00m

110mm OD PVC 4 KSC pipe line : 5919.00m

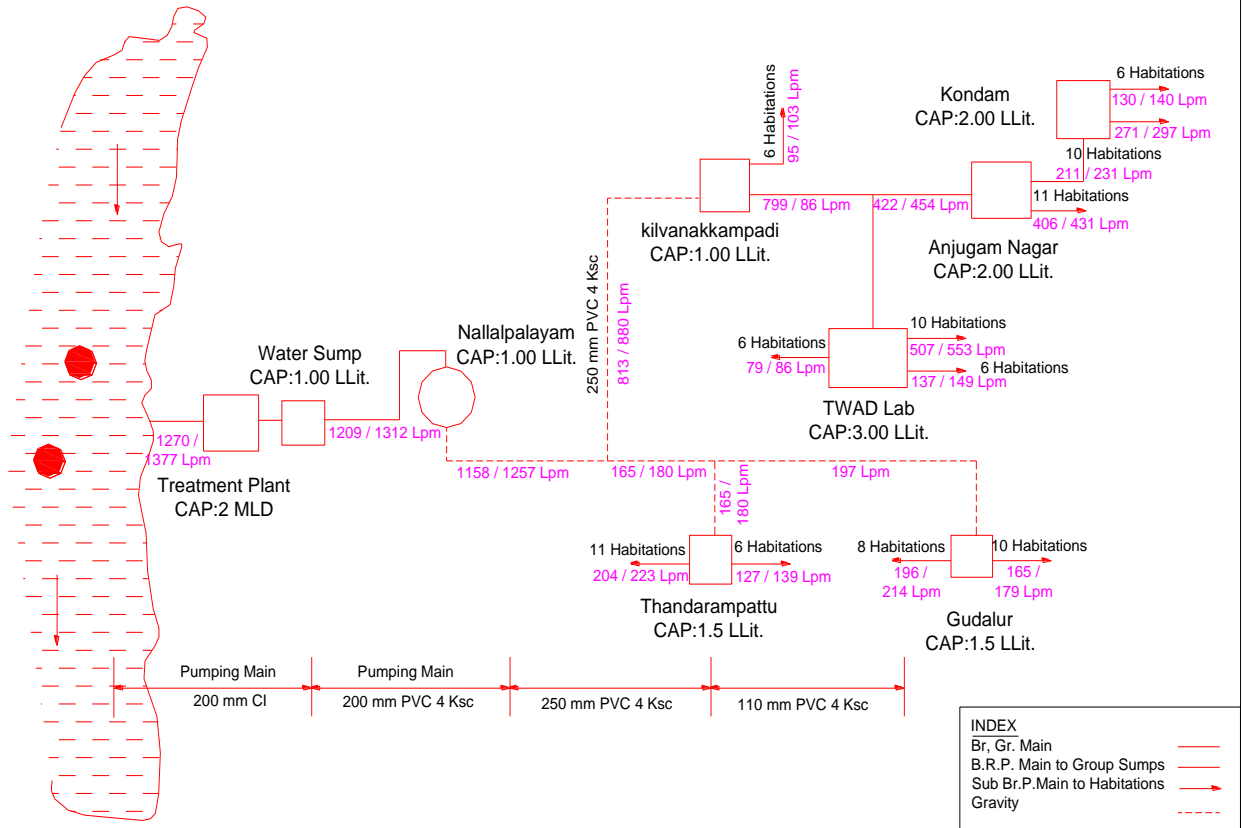
110mm OD PVC 6 KSC pipe line : 1230.00m

7.	Booster Station	:	
a.	Sump with capacity	:	1) 1.00 LL Stand post @ Mottur – Gravity main 2) Keelvanakkambadi Sump 1.00 LL 3) Anjugam Nagar 2.00LL
b.	Pumpset details	:	Keelvanakkambadi Sump 7.50 HP Sub pumpset -799 lpm x 26m – 2 Nos. 2) Anjugam Nagar 7.50 HP Submersible pumpset 406 lpm x 40m – 2 Nos.
8.	No. of Group sump with capacity	:	- 6 Nos - 1) Thandrampet 1.50 LL - 2) Sekudaloor 1.50 LL - 3) Keel vanakkampadi 1.00 LL - 4) TWAD Lab. Sump 2.00 LL - 5) Anjugam Nagar 2.00 LL - 6) Kondam 2.00 LL

9. Service Reservoir				
S.NO	NAME OF UNION	NAME OF PANCHAYAT	NAME OF HABITATION	CAPACITY OF O.H.T
1	2	3	4	5
1	Thandram pet	Radhapuram	Agram	30,000 lits
2	"	"	Thalanodai	"
3	"	"	Radhapuram colony	"
4	"	"	Meyyutu	"
5	"	"	Arasambattu	"
6	"	Thenmudyanur	Thenmudyanur	100000 lits
7	"	"	Krishnapuram	30000 lits
8	"	"	Ragunathapuram	EPL
9	"	"	kulivettu kotai	10000lits
10	"	Allapanur	Allapanur	30000lits
11	"	"	Irular colony	
12	"	"	Allapanur colony	30000lits
13	"	segudalur	segudalur	60000Lits
14	"	"	segudalur HC	60000Lits
15	"	Khambattu	Khambattu	30000Lits
16	"	"	Khambattu Colony	30000Lits
17	"	"	Khambattu New Colony	10000 lits
18	"	varagur	varagur	60000Lits
19	"	"	Varagur Anna nagar	10000 Lits
20	Tiruvannamalai	Meyyur	vinayakapuram	30000 lits
21	"	"	Meyyur	60000 Lits
22	"	"	Meyyur colony	60000Lits
23	Chengam	C.Agaram	C.Agaram	30000Lits
24	"	"	C.Agaram colony	30000Lits
25	"	"	Vaddyar kottai	10000Lits
26	Tiruvannamalai	Vengikkal	Kubheranagar	30000 lits
27	"	"	Vallli nagar	60000 lits
28	"	"	Min nagar	100000 lits
29	"	"	Thendral Nagar	100000 lits
30	"	"	Indira nagar	60000lits
31	"	"	Gokul nagar	60000lits
32	"	"	Ashok nagar	100000 lits
33	"	"	om shakthi nagar	100000 lits
34	"	"	Vengikkal	60000lits
35	"	"	vengikkal colony	60000lits
36	Tiruvannamalai	Adiannamalai	mettu ko salai	30000 lits
37	"	"	ko salai	30000 lits
38	"	"	Adi annamalai	30000 lits
39	"	"	adiannamalai colony	30000 lits
40	"	Atthiyandal	Atthiyandal	60000lits

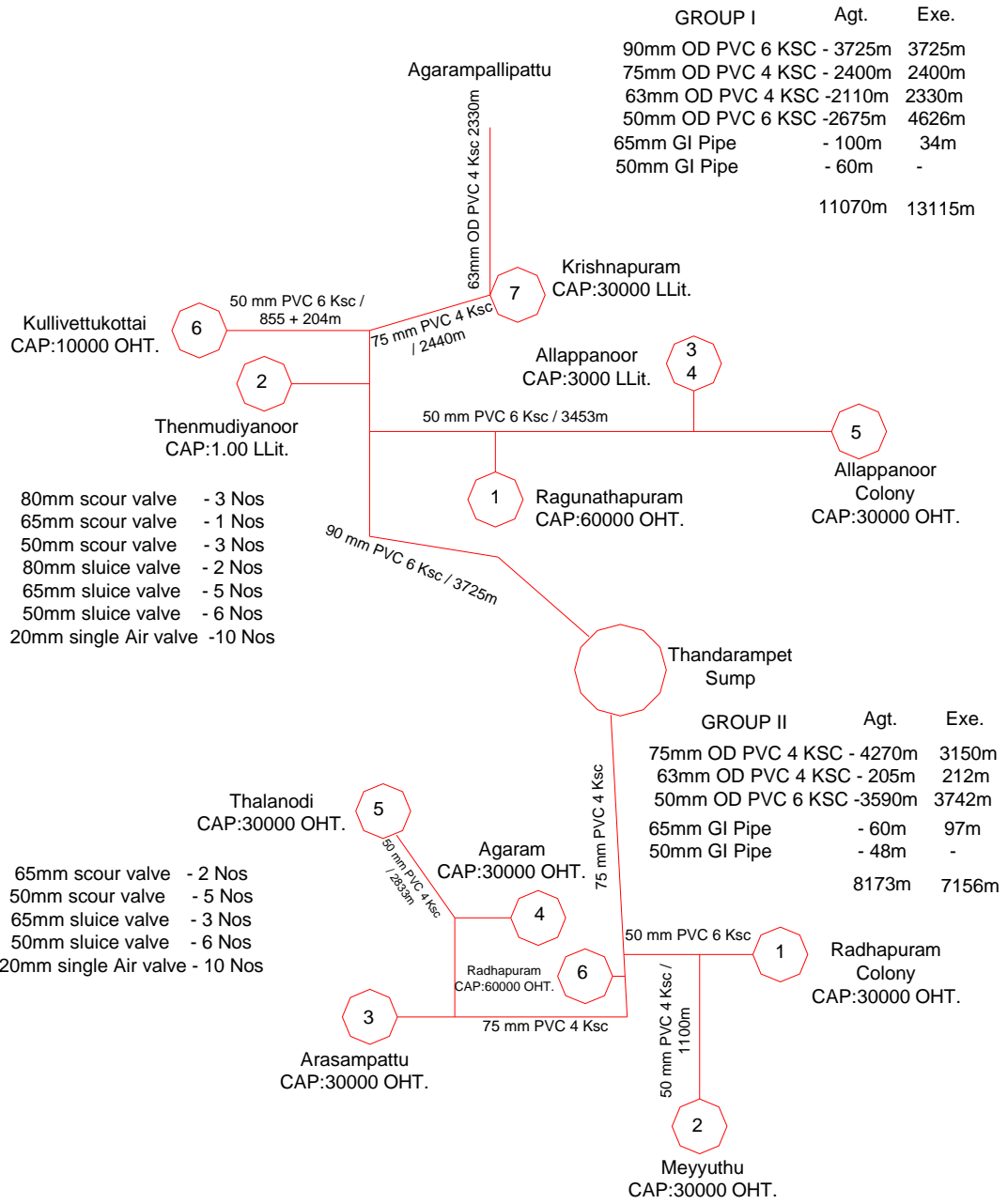
41	"	kanathampoondi	kaveriampoondi	30000 lits
42	Tiruvannamalai	Endhal	Arputhamadha nagar	30000 lits
43	"	"	Endhal	60000lits
44	"	Chinnakangainur	Palikondapattu	10000lits
45	"	"	Chinnakangainur	60000lits
46	"	"	Chinnakangainur colony	30000 lits
47	"	"	Sambandhanur	60000lits
48	Tiruvannamalai	Vengikkal	collectrate	Bulk supply
49	"	"	Anjukam nagar	30000
50	"	"	kottam palayam	30000
51	"	"	vengikkal pudur	60000
52	Tirinapuram	Inam karayandal	Deepam Nagar	60000lits
53	"	"	Deepam Nagar east	30000 lits
54	"	"	Muniyandal sathram	30000 lits
55	"	"	Indria nagar	10000lits
56	"	oosampadi	oosampadi	60000lits
57	"	pudhu mallavadi	pudhu mallavadi	60000lits
58	"	"	saminathapuram	15000lits
59	"	malavadi	theederkuppam	30000 lits
60	"	Vadapulithur	Muniyappanthangal	30000 lits
61	"	Naidumangalam	Naidumangalam koot raod	30000 lits
62	"	"	Naidumangalam	60000lits
63	"	"	Naidumangalam Colony	30000 lits
64	Tirijapuram	porkunam	porkunam	60000lits
65	"	"	pudhupettai ADC	30000 lits
66	"	"	thandkotipuram	30000 lits
67	"	MN palayam	Pudhupalayam	60000lits
68	"	salaiynur	salaiynur	100000lits
69	"	"	salaiynur colony	30000 lits
70	"	"	senkaran palaym	30000 lits
71	Kalaspakkam	Ladavaram	Ladavaram	60000lits
72	"	"	Ladavaram colony	30000 lits
73	"	"	Ganeshapuram	30000 lits

CWSS TO LADAVARAM, VANAPURAM & 88 OTHER HABITATIONS IN TIRUVANNAMALAI DISTRICT FLOW DIAGRAM



SUMP I

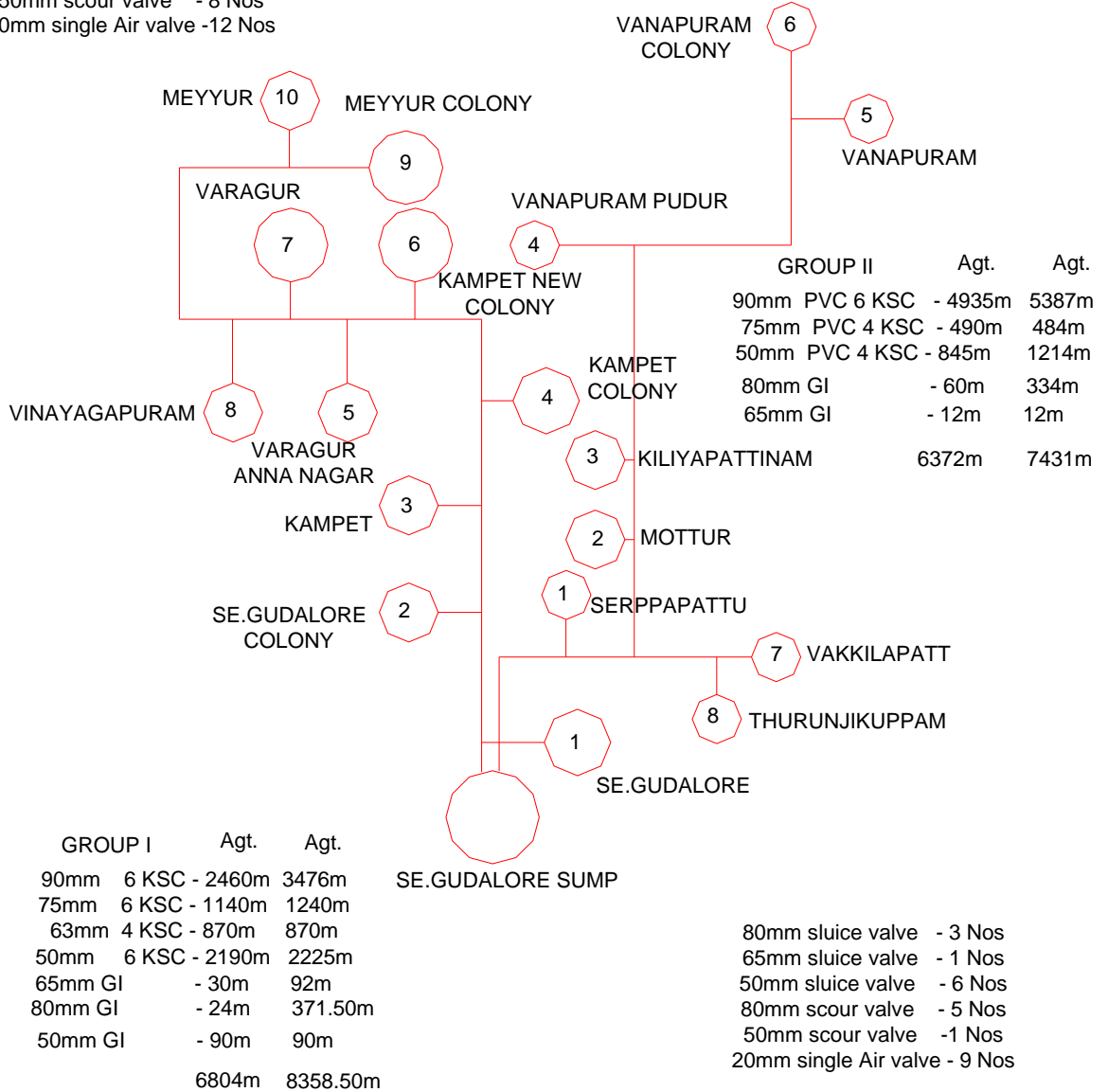
GROUP PUMPING FROM THANDARAMPET SUMP TO RADHAPURAM & THENMUDIYANUR GROUP



SUMP 2

GROUP PUMPING FROM SE.GUDDALORE SUMP TO VANAPURAM AND MEYYUR

80mm sluice valve - 2 Nos
 65mm sluice valve - 3 Nos
 50mm sluice valve - 1 Nos
 80mm scour valve - 3 Nos
 50mm scour valve - 8 Nos
 20mm single Air valve -12 Nos

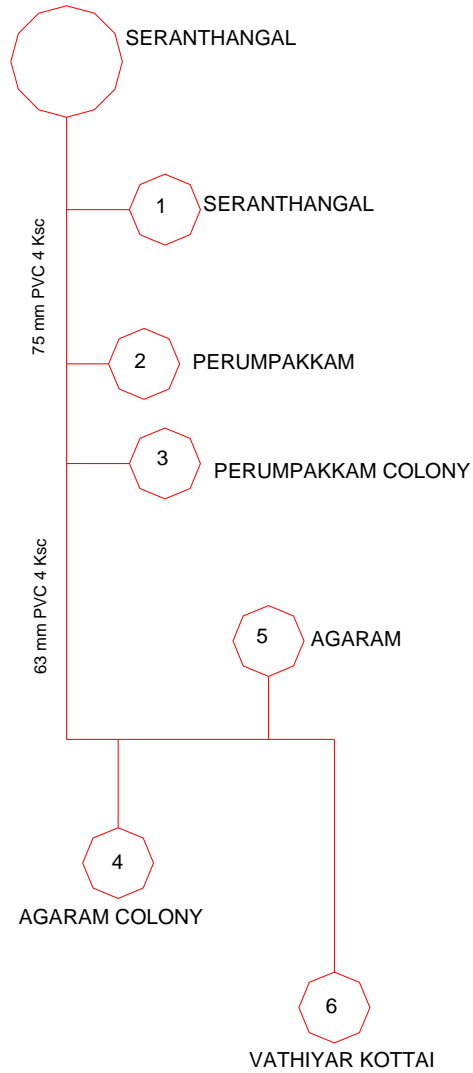


SUMP 3

GROUP PUMPING FROM KEELVANAKAMPADY SUMP TO VATHIYAR KOTTAI

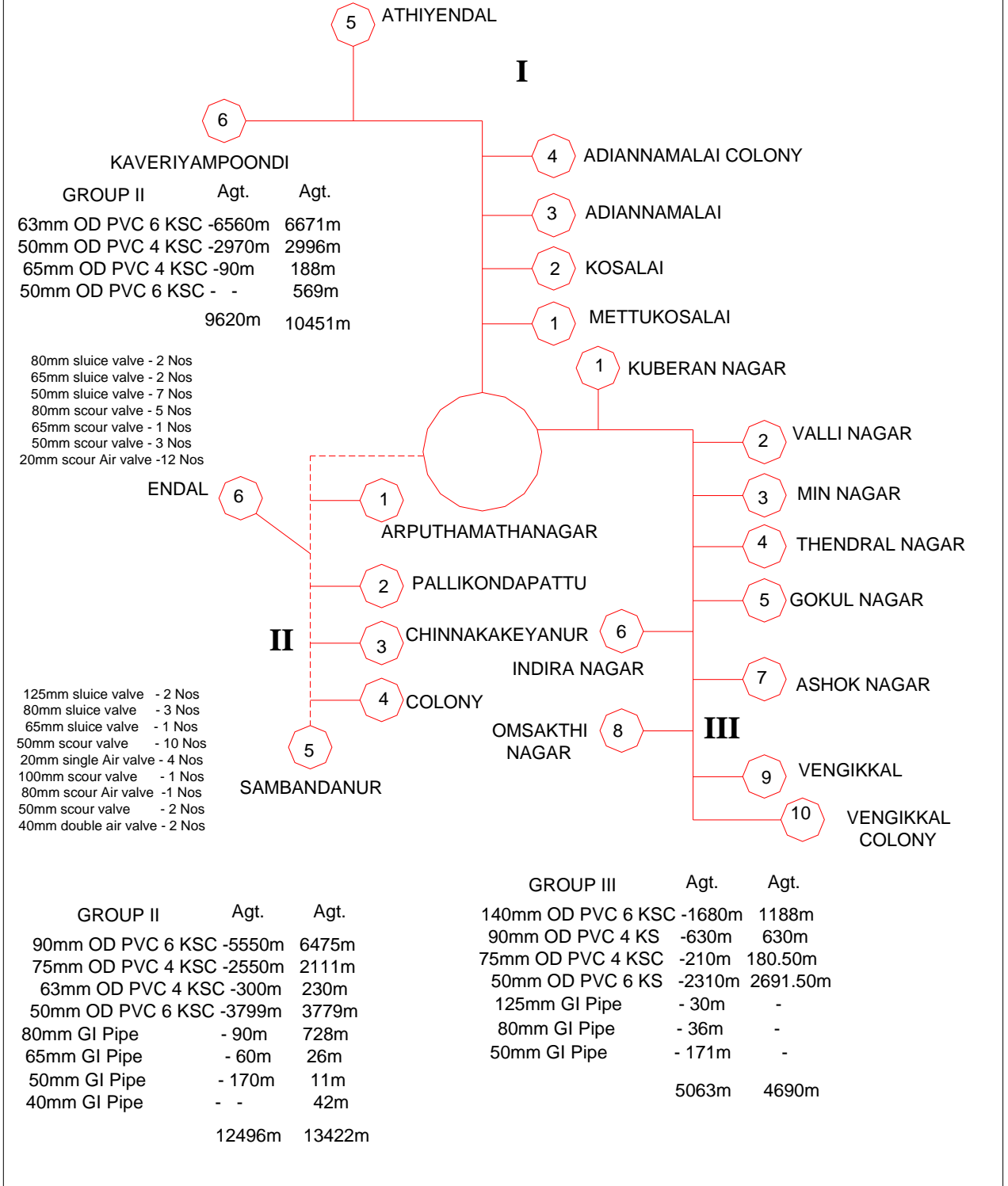
	Agt.	Agt.
75mm PVC 6 KSC	- 3150m	3435m
63mm PVC 4 KSC	- 5590m	5680m
50mm GI Pipe	- 65m	174m
65mm GI Pipe	- -	89m
	8805m	9378m

50mm sluice valve - 4 Nos
 80mm scour valve - 5 Nos
 20mm single Air valve - 11 Nos



SUMP 4

GROUP PUMPING FROM TWAD LAB TO ATHIYENDAL, VENGIKAL & SAMBANTHANOOR

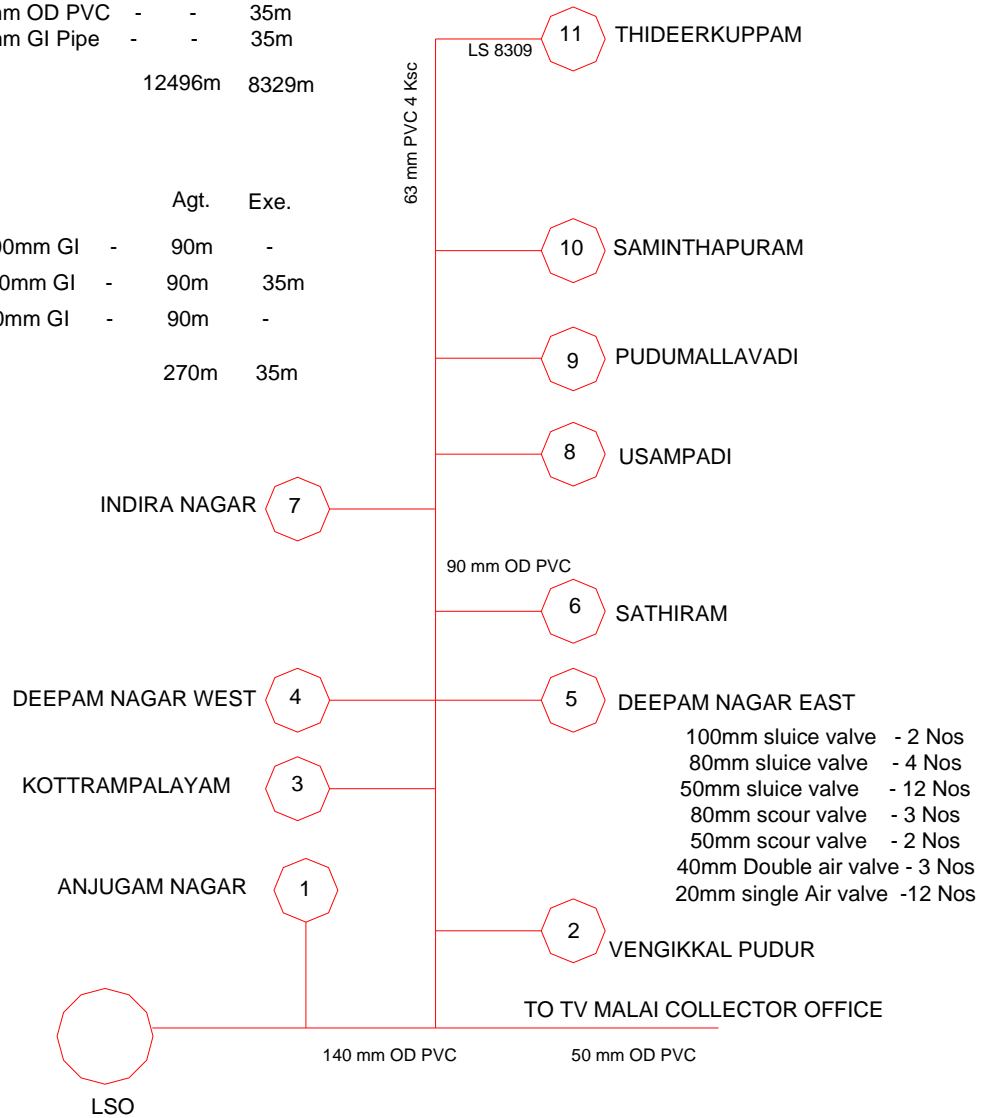


SUMP 5

GROUP PUMPING FROM ANJUGAM NAGAR SUMP TO THIDEERKUPPAM

GROUP II	Agt.	Exe.
140mm OD PVC	- 275m	267m
75mm OD PVC	- 2640m	1524m
90mm OD PVC	- 2430m	4965m
63mm OD PVC	- -	35m
80mm GI Pipe	- -	35m
	12496m	8329m

	Agt.	Exe.
100mm GI	- 90m	-
80mm GI	- 90m	35m
50mm GI	- 90m	-
	270m	35m



- 100mm sluice valve - 2 Nos
- 80mm sluice valve - 4 Nos
- 50mm sluice valve - 12 Nos
- 80mm scour valve - 3 Nos
- 50mm scour valve - 2 Nos
- 40mm Double air valve - 3 Nos
- 20mm single Air valve - 12 Nos

SUMP 6 GROUP PUMPING FROM KONDAM SUMP

