

SALIENT DETAILS

CWSS TO VERKILAMBI AND 6 OTHER TPS AND 26

WAYSIDE HABITATIONS

1. Scheme Cost	:	Rs. 1286 lakhs
2. Beneficiaries		
a) Town Panchayat	:	---
b) Habitations	:	33 Nos
3. Populations	:	45,500
4. Designed Quantity	:	8.23 mld
5. Head works with Source details	:	9 Nos. of I.W. in Puthen Dam
6. Pumpset	:	5 HP
		50 HP
a) Type	:	Submersible
		Centrifugal
b) Duty	:	765 Lpm x 16m Head
		6805 Lpm x 25m Head
c) Hours of Pumping	:	20 Hours
7. Transmission Main	:	
a) Pumping main	:	27,332m

Size of Pipe	Length
450mm PSC Pipe	: 4078m
400mm PSC Pipe	: 7354m
250mm CI Pipe	: 3168m
250mm AC Pipe	: 970m
200mm AC Pipe	: 10612m
150mm AC Pipe	: 1150m

Total **27332m**

8. (i) Head Works	:	Puthen Dam
a. Sump with capacity	:	5.00 lakh litres
b. Pumpset details	:	50 HP Centrifugal
		6805 Lpmx25m Head
(ii) Booster Station	:	Ponmanai

c. Sump with capacity	:	5.00 lakh litres
d. Pumpset details	:	60 HP Centrifugal 4936 Lpmx35m Head
(iii) Booster Station	:	Mukilankarai
a. Sump with capacity	:	4.00 lakh litres
b. Pumpset details	:	i) 25 HP Centrifugal 2037 Lpmx35m Head ii) 20 HP Centrifugal 1946 Lpmx28m Head iii) 7.50 HP Submersible 429 Lpmx17m Head iv) 7.50 HP Submersible 485 Lpmx17m Head
9. Feeder Mains	:	
160mm PVC Pipe to 50mm PVC Pipe	:	59.855km
10. No. of Group sump with capacity	:	-
11. Service Reservoirs with capacity :		26 Nos
2.00 lakhs litres	:	6 Nos
1.00 lakhs litres	:	10 Nos
60000 litres	:	8 Nos
30000 litres	:	2 Nos

Infiltration wells 4.50m Dia - 9nos
in river Paraliar

Connecting main 150mm CI D/F
Pipes

Av GL : 67.30

FVL : 62.90

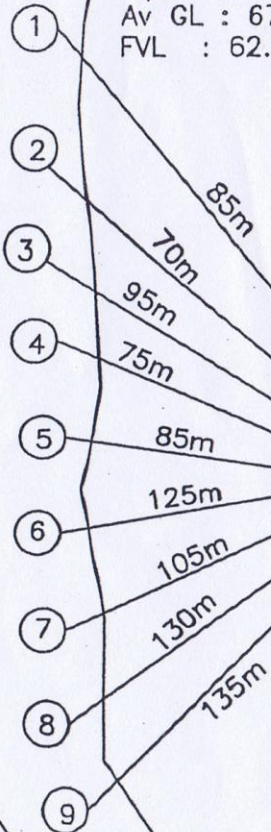
SR @ Pon-Puthendam
Zone I (RH - 2.00)

Cap : 30,000Lit (Pro)

Av GL : 75.60

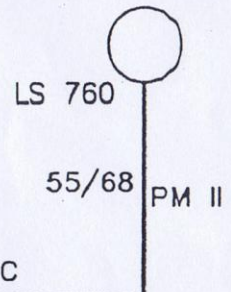
LWL : 87.60

MWL : 90.100



6860/ 8324

63PVC 4KSC



450mmPSC 4KSC-
450mmPSC 4KSC-



LS 0

6805/8256

PM I

LS 3180
GL : 88.35
RH : 2.00

Sump cum Pump
house at Head Works

RH - 2.00

Cap : 5.00L.L

Av GL : 71.050

LWL : 69.050

MWL : 75.550

1 HP Sub., P'set - 2nos

55 Lpm x 25m

55 HP Centr., P'set - 2nos

6805 Lpm x 25m

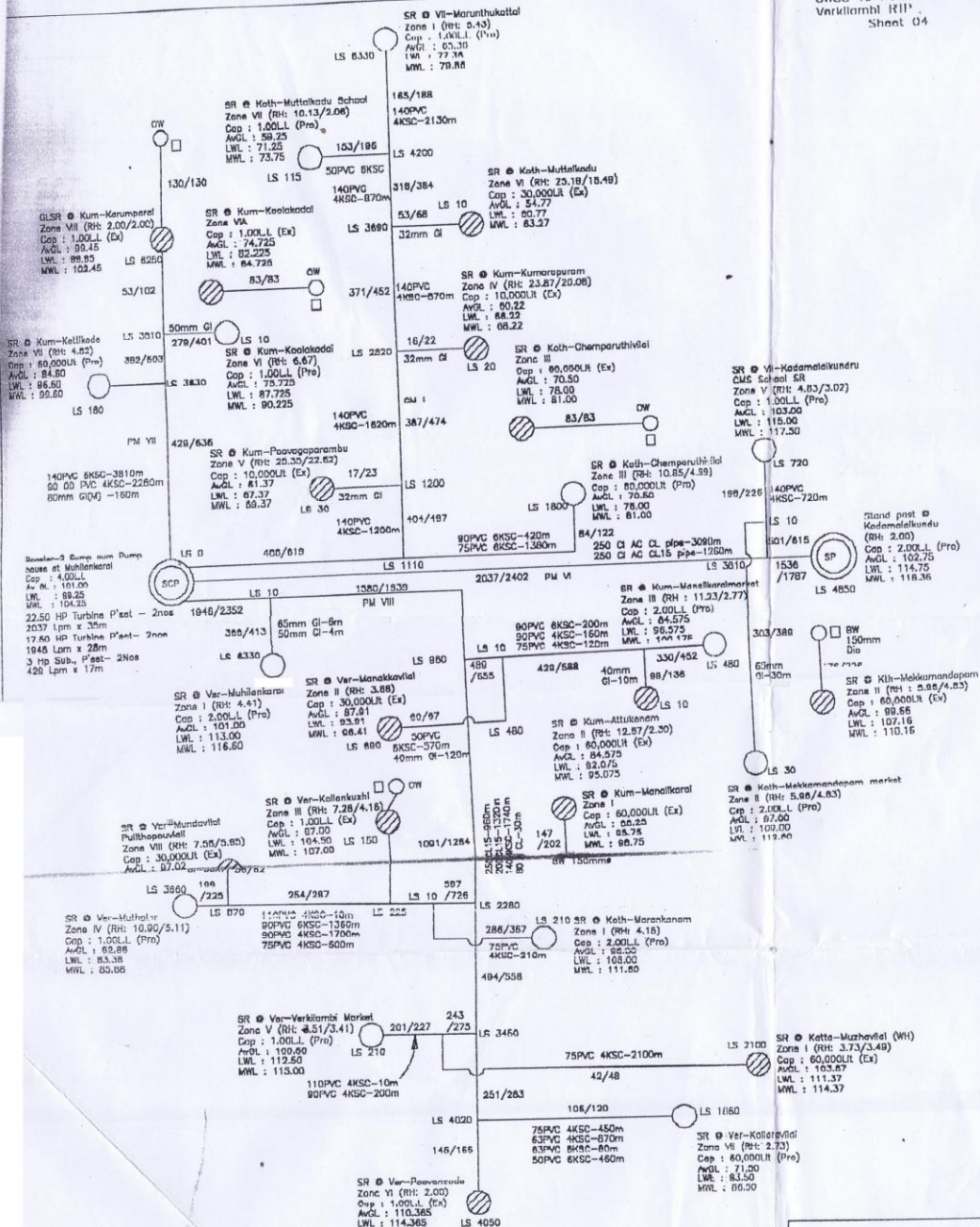
4 Hp Sub., P'set - 9x2Nos

763 Lpmx16m



Sd./ xxx

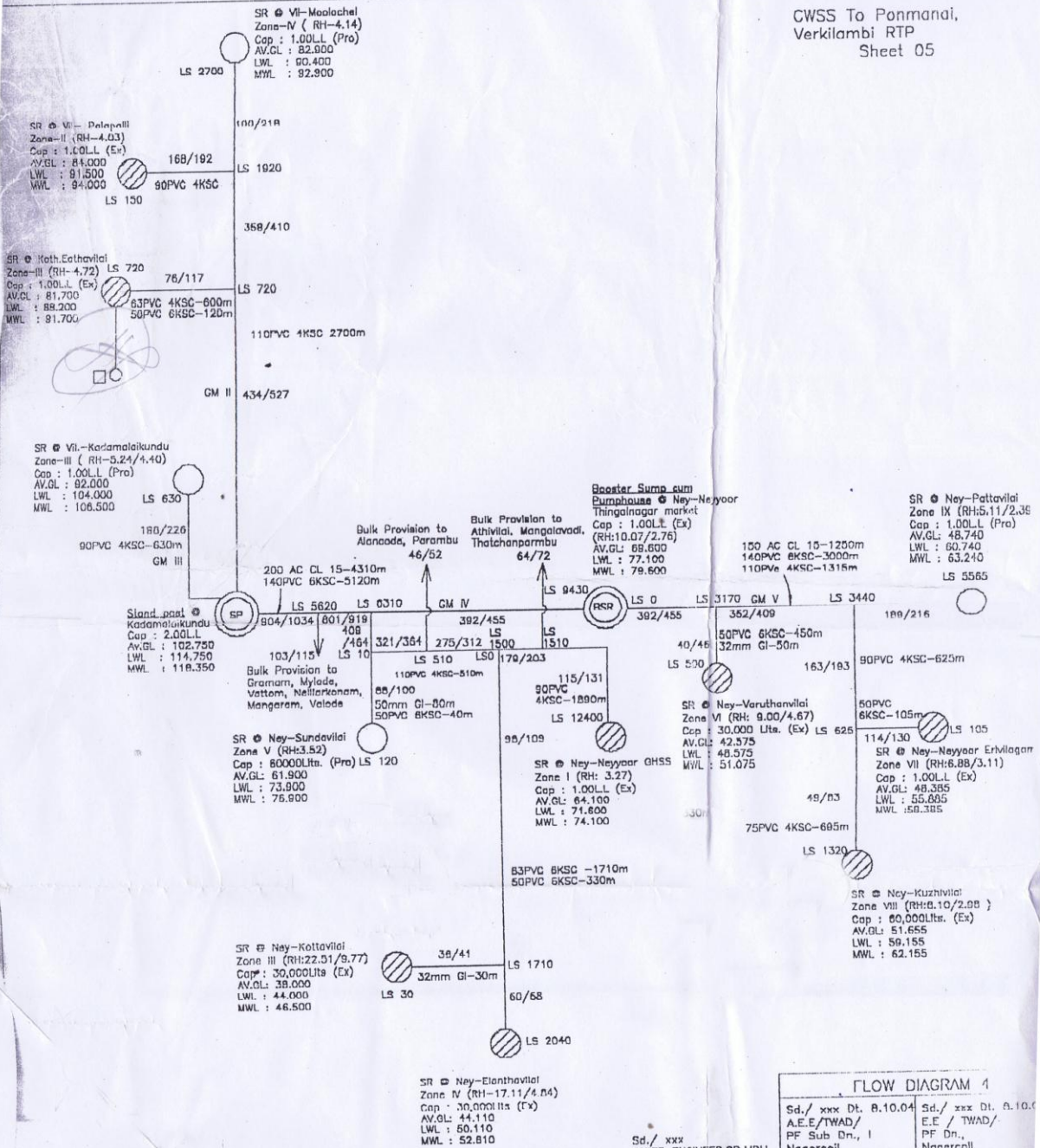
CHIEF ENGINEER,SR,MDU



FLOW DIAGRAM 3

Sd./ rev Dt. 8.10.04	Sd./ rev Dt. 8.10.04
A.E.E./TWAD/	E.E./ TWAD/
PF Sub Div., I	PF Div.,
Nagercoil	Nagercoil

Sd./ rev
CHIEF ENGINEER, SR, MDU



FLOW DIAGRAM 1	
Sd./ xxx Dt. 8.10.04	Sd./ xxx Dt. 8.10.04
A.E.E./TWAD/	E.E. / TWAD/
PF Sub Dn., I	PF Dn.,
Nagercoil	Nagercoil

Sd./ xxx
CHIEF ENGINEER,SR,MDU

