

## **CWSS TO VIRUVEEDU AND 27 HABITATIONS**

<b>1. Scheme Cost</b>	:	Rs. 190 Lakhs
<b>2. Beneficiaries</b>	:	Habitations – 28 Nos.
<b>3. Population</b>	:	11810
<b>4. Designed Qty</b>	:	0.35 mld
<b>5. Head works</b>		
<b>6. Source</b>	:	Infiltration well 2 Nos @ River Vaigai
		<b>Well – I</b> <b>Well – II</b>
<b>Dia</b>	:	3.50 m                      3.50 m
<b>Depth</b>	:	6 m                          6 M
<b>Pumpset</b>	:	3HPx266 lpmx14m-2Nos 3 HPx266 lpmx14m-2Nos Open well submersible
<b>7. Connecting Main</b>	:	100 mm CI Pipes - 279 m 100 mm AC Pipes - 275 m
<b>8. Collection sump Capacity</b>	:	60,000 lits
<b>9. Pump set</b>	:	10 HP x 531 lpmx63 m – 2 Nos Open well submersible
<b>10. Hours of Pumping</b>	:	12 Hours
<b>11. Pumping main</b>	:	200 mm AC Pipe - 8550 m 140 mm PVC Pipe - 2790 m 110 mm PVC - <u>1180 m</u> - <u>12520 m</u>
<b>12. Branch Pumping Mains</b>	:	40 mm to 90 mm PVC 32 mm to 50 GI - 12540 m
<b>13. Branch Main</b>	:	50 mm to 90 mm PVC 32 mm to 50 mm GI- 6565 m

#### 14. Intermediate sump

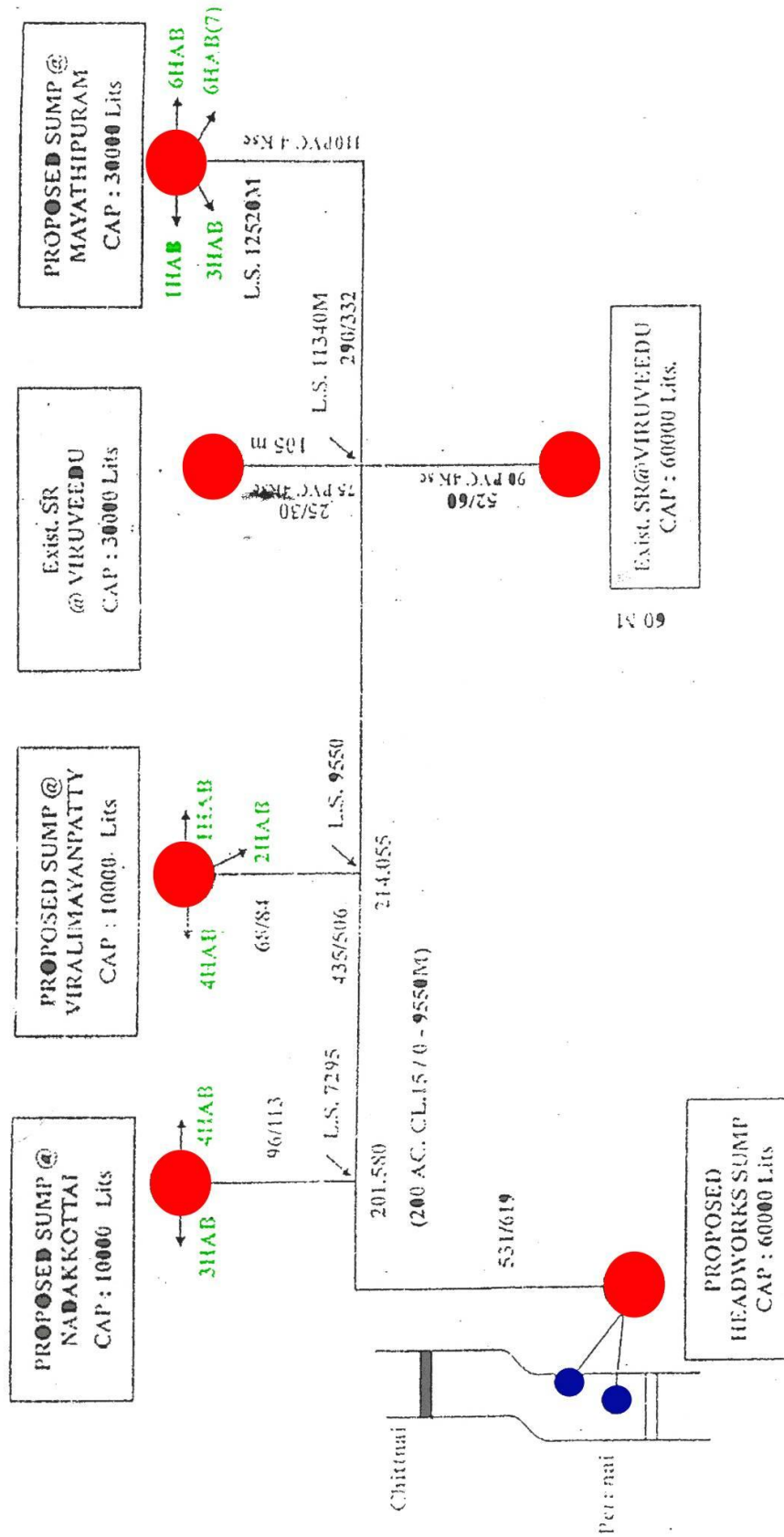
Nadakottai	:	10,000 lit Capacity 2 HP x 56 lpm x 30 m open well sub- 2 Nos 2 HP x 40 lpm x 16 m open well sub.- 2 Nos
Viralimayanpatty	:	10,000 lit Capacity 2 HP x 27 lpm x 20 m open well sub- 2 Nos 2 HP x 41 lpm x 15 m open well sub.- 2 Nos
P.K. Patty	:	5,000 lit Capacity 2 HP x 10 lpm x 31 m open well sub.- 2 Nos
Mayathipuram	:	30,000 lit Capacity - 3 3 HP x 169 lpm x 25 m open well sub.- 2 Nos 2 HP x 80 lpm x 10 m open well sub.- 2 Nos 2 HP x 41 lpm x 34 m open well sub.- 2 Nos
Valayapatty	:	10,000 lit Capacity- 1 3 HP x 116 lpm x 29 m open well sub.- 2 Nos

#### 15. Service Reservoir

	:	60,000 lit. - 3 Nos.
		30,000 lit. - 14 Nos.
		10,000 lit. - 7 Nos.

# SCHEMATIC DIAGRAM

## CWSS to VIRUVEEDU and 27 Habs in Batlagundu Union



P.Main :

LS 0	-	7295	200 AC CL 15
LS 7295	-	8550	140 PVC 6 KSC
LS 8550	-	11340	140 PVC 4 KSC
LS 11340	-	12520	110 PVC 4 KSC

Br. Main : To Viralimayanpatty Sump

50 mm PVC 6 KSC	160 m
32 mm GI pipe	85 m

Br. Main : To Nadakkottai Sump

50 mm PVC 6 KSC	45 m
32 mm GI pipe	10 m