

## **CWSS TO 54 HABITATIONS IN NILAKKOTTAI UNION**

- 1. Scheme Cost** : Rs. 564.55 Lakhs
- 2. Beneficiaries** : Habitations – 54 Nos.
- 3. Population** : 53054
- 4. Designed Qty** : 1.03 mld
- 5. Head works**
- 6. Source** : Infiltration well 5 Nos @ River Vaigai
- |                  | <b>Well – I</b>       | <b>Well – II</b>      | <b>Well – III</b>    |
|------------------|-----------------------|-----------------------|----------------------|
| <b>Dia</b> :     | 3.50 m                | 3.50 m                | 3.50 m               |
| <b>Pumpset</b> : | 3HPx325lpmx14m-2Nos   | 3 HPx325 lpmx14m-2Nos | 3Hp x325lpmx14m-2Nos |
|                  | Open well submersible |                       |                      |
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- |                  | <b>Well – IV</b>      | <b>Well – V</b>       |
|------------------|-----------------------|-----------------------|
| <b>Dia</b> :     | 3.50 m                | 3.50 m                |
| <b>Pumpset</b> : | 3HPx325lpmx14m-2Nos   | 3 HPx325 lpmx14m-2Nos |
|                  | Open well submersible |                       |
- 7.Connecting Main** : 125mm CI LA CL - 3680 m
- 8. Collection sump Capacity** : 2,00,000 lits
- 9. Pump set** : 30 HPx1614 lpmx52 m – 2 Nos
- Open well submersible
- 10. Hours of Pumping** : 16 Hours
- 11. Pumping main** : 200 mm & 250 mm AC CL 15
- Branch pumping main** : 75 mm to 200 mm PVC - 51925 m
- Branch Mains** : 40 mm to 90 mm PVC
- 40 mm & 50 mm GI - 25031 m
- 12.Intermediate sump & Pumpset**

Pullakadupatty	:	30,000 lit Capacity 7.5 HP x 407 lpm x 47 m open well sub- 2 Nos 1 HP x 11 lpm x 20 m open well sub. - 2 Nos
Silukuarpaty	:	1,00,000 lit Capacity 7.5 HP x 614 lpm x 40 m open well sub- 2 Nos 3 HP x 161 lpm x 25 m open well sub. - 2 Nos 3 HP x 181 lpm x 23 m open well sub. - 2 Nos 3 HP x 103 lpm x 54 m open well sub. - 2 Nos 1.5 HP x 53 lpm x 32 m open well sub. - 2 Nos
Avaiyampatty	:	60,000 lit Capacity 1.5 HP x 40 lpm x 25 m open well sub. - 2 Nos 5 HP x 342 lpm x 43 m open well sub. - 2 Nos 3 HP x 161 lpm x 28 m open well sub. - 2 Nos 1 HP x 81 lpm x 23 m open well sub. - 2 Nos
Jangalpatty	:	30,000 lit Capacity 3 HP x 30 lpm x 40 m open well sub. - 2 Nos 4 HP x 228 lpm x 30 m open well sub. - 2 Nos 1 HP x 90 lpm x 20 m open well sub. - 2 Nos
Thoppupatty	:	30,000 lit Capacity 1.5 HP x 53 lpm x 32 m open well sub.- 2 Nos 1.5 HP x 40 lpm x 25 m open well sub.- 2 Nos
Santhanamathapuram	:	10,000 lit Capacity 1 HP x 20 lpm x 29 m open well sub.- 2 Nos
<b>13. Service Reservoir</b>	:	60,000 lit - 6 Nos. 30,000 lit - 28 Nos. 10,000 lit - 16 Nos. 5,000 lit - 1 No.

## FLOW DIAGRAM

**Name of Scheme: CWSS to 54 Rural Habitations in Nilakottai Union in Dindigul District**

