

CWSS TO PUDUPATTINAM AND 18 OTHER HABITATIONS IN
CHENGALPATTU DISTRICT
SALIENT DETAILS

1. Head Works with source details: As detailed below

S.No	source	size in m	Depth in m	Yield in lpm
1.	Infiltration well	4.50	10.00	475
2		4.50	10.25	475
3		4.50	10.00	475
4	Borewell (under SDRF 2019)		20.00	150

2. a. Pumpset from Infiltration wells (3 Nos.) to Sump

Type : Submersible

Duty : 5 HP 475 lpm x 25m head - 3 Nos.

- b. Pumpset from Borewell to Sump – Under SDRF 2019

Type : Submersible

Duty : 5 HP 300 lpm x 40m head - 2 Nos

- c. Pumpset from Sump to Booster

Type : Submersible Pumpset

Duty : 7.50 HP 1425 lpm x 25m head - 2 Nos

3. Sump Capacity : 0.60LL

4. Hours of Pumping : 16 hours

5. Connecting main and Cable:

- a) Infiltration well – 1 to Sump at Nerumbur : 150mm DI K7 - 1300m
- b) Infiltration well – 2 to Sump at Nerumbur : 150mm DI K7 - 1100m
- c) Infiltration well – 3 to Sump at Nerumbur : 150mm DI K7 - 1350m
- d) Borewell – 1 to Sump at Nerumbur : 90mm HDPE - 1100m
- e) Infiltration well – 1 to Sump at Nerumbur : 70Sqmm - 1320m
- f) Infiltration well – 2 to Sump at Nerumbur : 70Sqmm - 1150m
- g) Infiltration well – 3 to Sump at Nerumbur : 70Sqmm - 1370m
- h) Borewell – 1 to Sump at Nerumbur : 70Sqmm - 1120m

6. Pumping main from HW to Booster Station:

225 mm PVC 4 KSC pipe	:	6936 m
200mm DI K7 pipe	:	200 m

7. Booster Station

a. Sump with Capacity : 1.0LL

b. Pumpset Details

Type	:	Submersible for Sadras main
Duty	:	20 HP 1172 lpm x 36m head - 2 Nos
Type	:	Submersible for Vadapattinam main
Duty	:	3 HP 249 lpm x 35m head - 2 Nos

8. Feeder main and Branch pumping main

Sadras side

250mm PVC 4 KSC Pipe	:	1465 m
200mm PVC 4 KSC Pipe	:	2164 m
140mm PVC 4 KSC Pipe	:	8667 m
90mm PVC 4 KSC Pipe	:	185 m
75mm PVC 4 KSC Pipe	:	1550 m
63mm PVC 4 KSC Pipe	:	30 m
50mm PVC 6 KSC Pipe	:	2150 m
150mm DI K7 Pipe	:	1307 m
200mm DI K7 Pipe	:	270 m

TOTAL 17788 m

Vadapattinam Side

110mm PVC 4 KSC Pipe	:	2850 m
90mm PVC 4 KSC Pipe	:	2600 m
75mm PVC 4 KSC Pipe	:	800 m
63mm PVC 4 KSC Pipe	:	2100 m
50mm PVC 4 KSC Pipe	:	382 m
100 DI K7 Pipe	:	1578 m

TOTAL 10310 m

9. Service reservoir with capacity.

I.No	Union	Panchayat	Habitation	S.R Capacity
1	Thirukazhukundram	Vayalur	Chathiramedu colony	0.10LL
2	Thirukazhukundram	Vayalur	Vayalur	0.60LL
3	Thirukazhukundram	Vayalur	Chinna colony	
4	Thirukazhukundram	Vayalur	Kaaraithittu	0.30LL
5	Thirukazhukundram	Vayalur	Ayinthu colony	0.30LL
6	Thirukazhukundram	Vayalur	Thanneerpandal colony	0.30LL
7	Thirukazhukundram	Vayalur	Periya colony	0.30LL
8	Thirukazhukundram	Pudupattinam	Pudupattinam	1.00LL
9	Thirukazhukundram	Sadhurangapattinam	Sadhurangapattinam kuppam (N)	0.30LL
10	Thirukazhukundram	Sadhurangapattinam	Meyyur	0.30LL
11	Thirukazhukundram	Sadhurangapattinam	Sadras	1.50LL
12	Lathur	Kadalur	Kadalur	0.30LL
13	Lathur	Kadalur	Periyakuppam	0.30LL
14	Lathur	Kadalur	Chinna kuppam	0.30LL
15	Lathur	Kadalur	Alikuppam	0.30LL
16	Lathur	Kanathur	Kodapattinam	0.10LL
17	Lathur	Vadapattinam	Vadapattinam	0.30LL
18	Lathur	Vadapattinam	Old colony	
19	Lathur	Vadapattinam	Meenavarkuppam	0.30LL