

**CWSS TO 99 RURAL HABITATIONS IN CHELLAMPATTY AND  
VADIPATTI UNIONS**

- 1. Scheme Cost** : Rs.527.13 Lakhs.
- 2. Beneficiaries** : Habitations - 99Nos.
- 3. Population** : 75500
- 4. Designed Qty** : 1.58 mld
- 5. Head Works**
- a. Source** : River Vaigai  
Infiltration wells – 5 Nos.
- b. Pumpset** : 2 HP Submersible - 334lpmX18m– 8 Nos.  
(3 Nos. Standby)
- c. Sump** : 2.00 Lakh Lit.
- d. Main Pumpset** : 45HP Turbine - 1669 lpm X 46m - 2 Nos.  
(One No. Standby)
- 6. Hours of Pumping** : 16 hours
- 7. Pumping main**
- i) 250 mm AC 15 CL Pipe – 5635 m
  - ii) 250 mm CI LA CI pipe - 125 m
  - iii) 200mm AC 15 CI pipe – 1080 m
  - iv) 200mm CI LA CL pipe – 10 m
- 8. Branch Pumping main**
- i) 250mm AC 15 CI pipe - 3070 m
  - ii) 250mm CI LA CI. - 40m
  - iii) 200mm AC 15 CI pipe - 2335 m
  - iv) 200mm CI LA CI. - 65m
- 9. Feeder mains** (from Br. Pumping main to MSR at Mampatty patty)
- To SR at Pandian Nagar (V) : 63 mm OD PVC 4 KSC - 10m
- To SR at Keelaperumalpatti : 75 mm OD PVC 4 KSC - 180m  
63 mm OD PVC 4 KSC - 570m
- To SR at Cheekankoil patty : 63 mm OD PVC 4 KSC - 30m

To SR at Nariyampatti : 63 mm PVC 4 KSC - 30m  
To SR at Mampatty patti : 63 mm PVC 4 KSC - 30m

### 10. Master Service Reservoirs

At Kallar school : 4.00LL  
At Mampattipatty : 3.00LL

### 12. Stand Posts

At Kodikulam : 30000 Lit.  
At Valandur : 30000 Lit.

### 13. Gravity main

#### From MSR at Kallar School

From outlet I to Kadupatty S.R & Branch Mains ( 8 habitations) : 1) 110mm OD PVC 4 KSC - 500 m  
2) 90mm OD PVC 4 KSC - 1526 m  
3) 75mm OD PVC 4 KSC - 1280 m  
4) 63mm OD PVC 4 KSC - 1942 m  
5) 50mm OD PVC 6 KSC - 2130 m  
6) 80 mm GI medium pipe - 12 m  
7) 65mm GI medium pipe - 18 m  
8) 50mm GI medium pipe - 138 m  
9) 40mm GI medium pipe - 245 m

From outlet II to Pannian sump & Branch mains (3 Hab.s) : 1) 110mm OD PVC 4 KSC - 2732m  
2) 90mm OD PVC 4 KSC - 1278 m  
3) 63mm OD PVC 4 KSC - 150 m  
4) 50mm OD PVC 6 KSC - 1164 m  
5) 100mm GI medium pipe - 48 m  
6) 80mm GI medium pipe - 12 m  
7) 50mm GI medium pipe - 36 m  
8) 32mm GI medium pipe - 825 m

From outlet III to Kodikulam S.P & Branch mains (6 Hab.s) : 1) 140mm OD PVC 4 KSC - 5100 m  
2) 110mm OD PVC 4 KSC - 1126 m  
3) 63mm OD PVC 4 KSC - 228 m  
4) 50mm OD PVC 6 KSC - 1032 m  
5) 125mm GI medium pipe - 60 m  
6) 100mm GI medium pipe - 24 m  
8) 50mm GI medium pipe - 12 m

- 9) 40mm GI medium pipe – 18 m
- 10) 32mm GI medium pipe–1330 m

- From outlet IV to Malaiyur SR & Branch mains (4 Hab.s) :
- 1) 63mm OD PVC 4 KSC – 2844 m
  - 2) 50mm OD PVC 6 KSC – 850 m
  - 3) 50mm GI medium pipe – 36 m
  - 4) 32mm GI medium pipe – 900 m

**From MSR at Mampattipatty**

- From outlet I to Maravar othaveedu (5 Hab.s) :
- 1) 63mm OD PVC 4 KSc - 1500 m
  - 2) 50mm OD PVC 6 KSC - 3535 m

- From outlet II to Valandur S.P :
- 1) 160mm OD PVC 4 KSC- 5900 m
  - 2) 140mm OD PVC 4 KSC–2427 m
  - 3) 150mm CI LA CL pipe – 100 m
  - 4) 125 mm CI LA CL pipe - 48 m

- From outlet III to Nattarpatty (7 Hab.s) :
- 1) 90mm OD PVC 4 KSC – 5061 m
  - 2) 75 mm OD PVC 4 KSC – 1333m
  - 3) 63mm OD PVC 4 KSC – 1602 m
  - 4) 50mm OD PVC 6 KSC – 1470 m
  - 5) 80 mm GI medium pipe - 84 m
  - 6) 65mm GI Medium pipe – 12m
  - 7) 50 mm GI medium pipe - 18 m
  - 8) 32mm GI Medium pipe – 10 m

**From SP at Kodikulam**

- From outlet I to Akilandapuram S.R & Branch mains ( 6 Habs) :
- 1) 110mm OD PVC 4 KSC - 300 m
  - 2) 90mm OD PVC 4 KSC – 1170 m
  - 3) 75 mm OD PVC 4 KSC – 510 m
  - 4) 63mm OD PVC 4 KSC – 108 m
  - 5) 50mm OD PVC 6 KSC – 1430 m
  - 6) 50 mm GI medium pipe- 42 m
  - 7) 40mm GI Medium pipe – 30m

- From outlet II to Chellampatty S.R & Branch mains ( 7 habs). :
- 1) 110mm OD PVC 4 KSC- 2450m
  - 2) 90mm OD PVC 4 KSC – 436 m
  - 3) 75 mm OD PVC 4 KSC – 274 m
  - 4) 63mm OD PVC 4 KSC – 2254 m
  - 5) 50mm OD PVC 6 KSC – 556 m
  - 6) 80 mm GI medium pipe - 24 m
  - 7) 65mm GI Medium pipe – 6m
  - 8) 50 mm GI medium pipe - 36 m
  - 9) 40mm GI Medium pipe – 24m
  - 10) 32mm GI Medium pipe– 570 m

From outlet III to Kaspamudalaikulam S.R & Branch mains ( 7 Habs). :

- 1) 110mm OD PVC 4 KSC - 1416m
- 2) 75 mm OD PVC 4 KSC - 3914 m
- 3) 63mm OD PVC 4 KSC - 1428 m
- 4) 50mm OD PVC 6 KSC - 408 m
- 5) 80 mm GI medium pipe - 24 m
- 6) 65mm GI Medium pipe - 36m
- 7) 50 mm GI medium pipe - 42 m
- 8) 40mm GI Medium pipe - 42m
- 9) 32mm GI Medium pipe - 140 m

#### **From SP at Valandur**

From outlet I to Pandian Nagar (K) 5 habitations :

- 1) 110mm OD PVC 4 KSC- 600m
- 2) 90mm OD PVC 4 KSC - 1764 m
- 3) 75 mm OD PVC 4 KSC- 210 m
- 4) 63mm OD PVC 4 KSC - 1360m
- 5) 50mm OD PVC 6 KSC - 1665 m
- 6) 100 mm GI medium pipe - 30m
- 7) 80mm GI Medium pipe - 36m

From outlet II to Nattarmangalam 7 habitations :

- 1) 90mm OD PVC 4 KSC - 992 m
- 2) 75 mm OD PVC 4 KSC - 1532m
- 3) 63mm OD PVC 4 KSC - 210 m
- 4) 50mm OD PVC 6 KSC - 1358 m
- 5) 80 mm GI medium pipe - 48 m
- 6) 65mm GI Medium pipe - 18m
- 7) 40 mm GI medium pipe - 12 m

From outlet III to Kuppanampatty sump :

- 1) 110 mm OD PVC4 KSC - 2460 m
- 2) 100 mm GI Medium pipe- 90 m

#### **14. Sumps**

Pannian vilakku : 100000 Lit.

Kottaiyur : 100000 Lit.

Kuppanampatty : 100000 Lit.

Paluthupatty : 100000 Lit.

#### **15. Service Reservoirs :**

100000 Litres	:	4 Nos
60000 Litres	:	22 Nos
30000 Litres	:	41 Nos
15000 Litres	:	3 Nos
10000 Litres	:	21 Nos
5000 litres GLSR	:	17 Nos

**CWSS TO 99 HABITATIONS IN CHELLAMPATTY & VADIPATTY UNION IN MADURAI DISTRICT**

