

SALIENT DETAILS

CWSS TO KAZHIYUR & 17 OTHER HABITATIONS IN VEMBAKKAM UNION

1. Scheme Cost

- a. Installation cost : Rs. 65.84 Lakhs CENR No3/1992-93
- b. Annual Maintenance cost : Rs. 13.49 Lakhs SECR No –20/2009-10
2. Administrative approval No & Amount : BP MS No. 101 dt:03.04.1992 Rs. 71.50 Lakhs
3. Technical sanction No & Amount : Rs. 65.84 Lakhs Omini Bus CENR No3/1992-93

dt : 09.10.1992

4. Beneficiaries :

S.No	Habitation	Pop	Cap in Lit	Design Qty(LLD)
1	Kazhiyur	-	30000	DL
2	Kazhiyur Colony	-	10000	DL
3	Puliarampakkam Colony	779	30000	0.312
4	Perungalathur Colony	-	15000	DL
5	Perungalathur	-	EPL	DL
6	Valarpuram	121	5000	0.048
7	Thiruvankadanallur	132	EPL	0.053
8	Vanniyanthangal	262	5000	0.105
9	Thumbai	259	5000	0.104
10	Thumbai Colony	259	15000	0.104
11	Kiliyathur	226	5000	0.090
12	Vinnavadi	-	60000	DL
13	Mariyanallur	-	30000	DL
14	Nedumpirai	2212	100000	0.885
15	Palli	1155	30000	0.462
16	Palli Mettu Colony	-	60000	DL
17	Palli Palla Colony	275	15000	0.11
18	Mangalam	440	10000	0.176
	TOTAL	6120		2.449

5. Populations

- a. Present (Year) 1991 : 11232
- (As on 2011) : 6120
- b. Intermediate (Year) : ---
- c. Ultimate (Year) 2021 : 14605

6. Level of service : 40 LPCD

7. Designed Quantity
- | | | | |
|----|----------------------|---|---------|
| a. | Present (Year) 1991 | : | 449 KLD |
| | (As on 2011) | : | 245 KLD |
| b. | Intermediate (Year) | : | ----- |
| c. | Ultimate (Year) 2021 | : | 584 KLD |
8. Year of Completion & Commissioning :
- | | | | |
|----|---------------------------|---|--------------------------|
| a. | Original Scheme | : | 10.06.1998 |
| b. | Taken over of Maintenance | : | Taking over = 16.06.2000 |
| c. | Improvement scheme | : | --- |
9. Head works with source details :
- | | | | | | | |
|--|----|----|---|--|--------|----------|
| | | | | Infiltration well 2 nos in River Cheyyar near Kazhiyur | | |
| | | | | Dia | Depth | Yield |
| | IW | I | - | 3.50 M | 7.00 M | 1164 LPM |
| | IW | II | - | 3.50 M | 8.00 M | 600 LPM |
10. Pumpset
- | | | |
|---------------------|--------------------------|--------------------------|
| | IW I | IW II |
| a. Type | Submersible | Submersible |
| b. Duty | 12.5 HP - 609 lpm x 57 m | 12.5 HP - 500 lpm x 75 m |
| | 15 HP - 600 lpm x 75m | 15 HP - 600 lpm x 75 m |
| c. Hours of pumping | : | 16 Hours |
11. Treatment plant (with Units Details) :
12. Transmission Main :
- | | | |
|-----------------|----------------|-------------------------------|
| a. Pumping Main | IW I : | 150 mm AC C/10 pipe = 1410 M |
| | | 140 mm PVC 4ksc pipe = 4810 M |
| | | 110 mm PVC 4ksc pipe = 2120 M |
| | | 90 mm PVC 4ksc pipe = 870 M |
| | IW II : | SRM 80 GI pipe = 344 M |
| b. Gravity Main | : | ---- |
13. Booster Main
- | | | |
|-----------------------|---|--|
| | | At Kiliyathur |
| a. Sump with capacity | : | 15000 Lit Cap 1 = No |
| b. Pumpset details | : | 10.00 HP C.F Pset X 409 lpm X 34 M = 2 Nos |
- (with stand by)

14. Feeder mains	FM	:	140 mm PVC pipe 4ksc = 200 M	
			110 mm PVC pipe 4ksc = 720 M	
			75 mm PVC pipe 4ksc = 3025 M	
			63 mm PVC Pipe 4ksc = 2725 M	
	FM II	:	90 mm PVC pipe 4ksc = 2025 M	
			63 mm PVC pipe 4ksc = 3900 M	
15. No of Group sump with capacity		:	----	
16. Service reservoirs with capacity		:	5000 Lit Cap = 4 nos	30000 Lit Cap = 2 nos
			10000 Lit Cap = 1 no	60000 Lit Cap = --
			15000 Lit Cap = 2 nos	100000 Lit Cap = 1 no
17. Separate power feeder main details		:	24 Hours separate Feeder Available	
18. Distribution system		:	90 mm, 75 mm & 63 mm PVC Pipe 4ksc = 12500 M	

