

CWSS to 116 Quality Affected Habitations in Kumbakonam and Thiruvidaimarudur union

Date of Handing over site : 05.12.2012

Name of Contractor : Thiru. S. Sengodan, Attur, Salem.

1.	Administrative Sanction Central NRDWP 758.33 State MNP 758.33 MNP 183.34	G.O. Ms. No. 210 dt. 3.11.2009 Rs. 17.00 Crores		
2	Technical Sanction	Revised : CE/ER/TNJ/03/11-12/dt. 07.07.2011 Rs. 18.22 crores.		
3	Work Order No.	CE/TNJ/Lr.No. 369/F 3312/SDO1/2012/Dt.07.11.12		
4	Agreement No. and Value	CE/TNJ/6/2012-13/Dt. 12.12.2012 Rs. 13.08 Crores		
5	Habitation benefitted Detail	Total	SC	Others
		Kumbakonam Union : 52	14	38
		Thiruvidaimarudur union : 64	29	35
		-----	-----	-----
		116	43	73
6	Population	Present 2010 68902	Intermediate 2025 75792	Ultimate 2040 82683
7	Percapita supply	40 lpcd		
8	Requirement :	3.04mld	3.35mld 2416 lpm	3.64mld 2635 lpm
9	Hours of pumping	23 Hrs. for Head works and Booster sump 12 Hrs. for Group sumps.		
10	Head works	4 Nos of I.W. – 4.50 dia – 12m Depth - Expected yield 680lpm from each well. Location : Ayyanallur		
11	Pumpset	Submersible Pumpset - 4 Nos 604 lpm x 23m (5 HP) 604 lpm x 23m (5 HP) 604 lpm x 23m (5 HP) 604 lpm x 23m (5 HP)		
12	Connecting main IW1 to common sump IW2 to common sump IW3 to common sump IW4 to common sump	150mm dia CI D/F pipe - 710m 150mm dia CI D/F pipe - 830m 150mm dia CI D/F pipe - 630m 150mm dia CI D/F pipe – 850m		
13	Collection sump	Capacity – 1.60LL		
14	Pumpsets	HSC – 1 No. 2416lpm x 48m (100% stand bye)		
15	Pump room	8m x 5m		

16	Pumping main & Branch mains (Head works to G.S. – 57.091 Km) overall 146.291 Km	250mm DI K7 200mm PVC 4 KSC 160mm PVC 4 KSC 140mm PVC 4 KSC 110mm PVC 4 KSC 90mm PVC 4 KSC 75mm PVC 4 KSC 63mm PVC 4 KSC	- 12670 - 4840 - 7650 - 8335 - 15447 - 12236 - 21034 - 64079 ----- -146291m
17	Booster sump @ Ullur Booster sump @ Thiruvisanallur	: 65000 lit cap - 1 No : 50000 lit cap - 1 No	
18	Group sumps Srinivasanallur Soorayanarkoil Paruthikudi, Ammachathiram Kallapuliyur S.Pudur Govindapuram Avaniyapuram, Thepperumanallur Ammachathiram Sathanur Umamaheswarapuram Samraj Nagar Koranattu Karuppur Perumandi	50000 lit 55000 lit 60000 lit 65000 lit 70000 lit 75000 lit 85000 lit 90000 lit 100000 lit 120000 lit 125000 lit 250000 lit 290000 lit	- 1 No - 1 No - 2 No - 1 No - 1 No - 1 No - 2 No - 1 No - 1 No - 1 No - 1 No - 1 No - 1 No.
19	Pumpset	Submersible – 21 Nos (100% stand bye)	
20	Pumphoom	6x4m – 2 Nos 4x3m – 15 Nos	
21	Service Reservoirs 10000 lit 20000 lit 30000 lit 60000 lit 100000 lit	Existing 18 - 47 19 17 ----- 101	Proposed 4 7 - - - ----- 11
22	Cost of Installation	: Rs. 18.22 Crores	
23	A.M. Cost	: Rs. 33.00 Lakhs.	
24	Per capita cost	: Present : Rs. 2644 Int : Rs. 2404 Ultimate : Rs. 2204	
25	Cost per 1000 lit (Int)	: Rs. 18.11	

CWSS TO 116 QUALITY AFFECTED HABITATIONS IN KUMBAKONAM AND THIRUVIDAIMARUTHUR UNIONS OF THANJAVUR DISTRICT
FLOW DIAGRAM

