

CWSS TO 18 QUALITY AFFECTED HABITATIONS IN KUTHALAM UNION

SALIENT DETAILS

1	Administrative Sanction	BP MS 62 /TWAD/PDC (Wing)dt.08.07.2010 for Rs.345.00 Lakhs		
2	Technical Sanction	CE-ER /TNJ/10/2010-11/dt.12.07.2010 for Rs.345.00 Lakhs		
3	Date of work order	CE-ER /TNJ Lr.No.F.13/CWSS to 18 Habtn/Kuthalam Un/SDO1/2010/dt.27.10.2010		
4	Agreement No & Value	CE-ER /TNJ/18/TWAD/2010-11/dt.29.11.2010 for Rs.213.45 Lakhs		
5	Name of Contractor	M/S Madras Switchgears Pvt. Ltd.,47/1,Dhanam Nagar, Mugalivakkam, Porur, Chennai-600116		
6	Agreement period	12 months		
7	Date of Commencement	05.12.2010		
8	Population	Base Year(2012)	Intermediate (2027)	Ultimate(2042)
	Per capital supply	14547	16002	17454
		40 lpcd	40 lpcd	40 lpcd
9	Requirement	0.64 mld	0.70 mld	0.77 mld
	For 18 hours pumping (lpm)	592	648	712
	For 20 hours pumping (lpm)	533	588	641
10	Head works:			
	Description	Total quantity		
I	Infiltration well:			
a	4.50m dia Infiltration well 9m depth at Coleroon river (Vettamangalam)	1No		
b	Supply, Erection of 7.5 HP openwell submersible pumpset (Duty 1200 lpm Head:18m)	2Nos		
II	Connection main; I' well to sump 200mm dia DI K7 pipe	850m		
III	Supply, delivery of Turbine pumpset 3400 lpm x37m Head @Vettamangalam	1 No		
Iv	Booster sump @ perumal koil 1.60 lakh litres capacity	1No		
v	Group sumps			
a	15,000 lit capacity @ Kokkur	1No		
b	30,000 lit capacity @ Peravur	1No		
c	60,000 lit capacity @ Mekkirimangalam	1No		
d	1,00,000 lit capacity @ Thiruvaduthurai	1No		

	Description	Total quantity
VI a)	Pump room for Booster sump 2.00m x 1.50m	1No
b	Pump room for Group sump 4.00m x 3.00m @ Makkirimangalam	1No
c	Pump room for Group sumps 1.50m x 1.50	3No
VII	Branch pumping main. Feeder main from Head works to group sumps and group sumps to OHT's	
a	Branch Main	
	200mm PVC 4KSC pipe	790m
	160mm PVC 6KSC pipe	3230m
	140mm PVC 4KSC pipe	4703m
	90mm PVC 4KSC pipe	7426m
	63mm PVC 4KSC pipe	30m
	Total	16179m
b	Feeder main	
	140mm PVC 4KSC pipe	909m
	110mm PVC 4KSC pipe	800m
	90mm PVC 4KSC pipe	455m
	75mm PVC 4KSC pipe	5144m
	63mm PVC 4KSC pipe	6509m
	50mm PVC 6KSC pipe	1053m
	Total	14870m
VIII	Pumpsets	
	150 lpm X 25m	2No
	150 lpm X 40m	2No
	500 lpm X 25m	2No
	75 lpm X 25m	2No
	125 lpm X 25m	2No
IX	Service Reservoir	Nil

	Description	Total quantity
X	Distribution System	12700m
XI	Public Fountain	97NO
11	Installation cost	Rs. 345.00 Lakhs
12	Annual Maintenance charges	Rs. 22.00 Lakhs
13	Per Capita cost	Rs.2,372.00
14	Cost per 1000 lit	Rs.13.04
15	Date of completion	01.09.2012
16	Date of commencement of Maintenance	15.10.2012
17	Cumulative Expenditure as on 15.10.2013	Rs.310.92 Lakhs