

SCHEDULE - A

NAME OF WORK : OPERATION AND MAINTENANCE ESTIMATE FOR CWSS TO MANMANGALAM AND 71 OTHER HABITATIONS IN KARUR UNION OF KARUR DISTRICT AND WSS TO SIDCO INDUSTRIAL ESTATE IN UNION OF KARUR DISTRICT AND OPERATION AND MAINTENANCE ESTIMATE FOR CWSS TO ARASU COLONY AND 21 OTHER HABITATIONS IN KARUR UNION OF KARUR DISTRICT for the Period of 10 Months from 01.06.2022 to 31.03.2023

S. No.	Description of Work	Propable Qty		Rate in (in Rs.)			Amount (in Rs.)
		Quantity	Unit	Figures	Words	Unit	
	CWSS TO MANMANGALAM AND 71 OTHER HABITATIONS IN KARUR UNION OF KARUR DISTRICT						
1	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures including protection of all scheme components from damages/ theft undertaking legal actions for such untoward incidents, preventive maintenance, disinfection and deliverance of water as per quality standards and supply of earmarked quantity of water to the beneficiaries as per Annexure in XII LABOUR DATA, carrying out the O&M as per standard operating procedures, Acts and rules in force etc., complete and as directed by TWAD Board Officers and excluding cost towards attending leak, burst repair and replacement works to electro mechanical installations consumables for disinfection of water, cleaning of all water retaining structure, electricity .	344.65	MLD	5800.69	Rupees five thousand eight hundred and paise sixty nine only	1MLD (One MLD Each)	1999209.00
2	Attending Leaks in the pipelines of this CWSS for the following items, as per the standard procedure including earthwork excavation, dewatering, removing, relaying, jointing, civil works, cost of materials and all other incidental charges, etc complete within the stipulated time limit as specified in Clause 2.6.4 of General conditions of Contract - Part II.						
1	50mm OD PVC 6 KSC pipes	6	Nos	1005.00	Rupees one thousand five only	1 No (Each)	6030.00
2	63mm OD PVC 6 KSC pipes	10	Nos	1044.00	Rupees one thousand forty four only	1 No (Each)	10440.00

3	63mm OD PVC 4 KSC pipes	10	Nos	1017.00	Rupees one thousand seventeen only	1 No (Each)	10170.00
4	75mm OD PVC 6 KSC pipes	1	Nos	1243.00	Rupees one thousand two hundred forty three only	1 No (Each)	1243.00
5	75mm OD PVC 4 KSC pipes	10	Nos	1205.00	Rupees one thousand two hundred five only	1 No (Each)	12050.00
6	90mm OD PVC 4 KSC pipes	15	Nos	1412.00	Rupees one thousand four hundred twelve only	1 No (Each)	21180.00
7	110mm OD PVC 6 KSC pipes	12	Nos	1723.00	Rupees one thousand seven hundred twenty three only	1 No (Each)	20676.00
8	110mm OD PVC 4 KSC pipes	10	Nos	1617.00	Rupees one thousand six hundred seventeen only	1 No (Each)	16170.00
9	140mm OD PVC 4 KSC pipes	5	Nos	1978.00	Rupees one thousand nine hundred seventy eight only	1 No (Each)	9890.00
10	150mm AC CL15 pipes	1	Nos	4162.00	Rupees four thousand one hundred sixty two only	1 No (Each)	4162.00
11	150mm AC CL10 pipes	1	Nos	4162.00	Rupees four thousand one hundred sixty two only	1 No (Each)	4162.00
3	Cleaning of all storage points like sumps, elevated reservoirs of various capacities available in this scheme including scrapping the inner side of compartment completely, scouring / dewatering / desilting using required machineries, materials, labour and all other incidental charges, application of bleaching powder/ solution etc complete.						

1	0.10LL capacity of sump	1	No.	2510.00	Rupees two thousand five hundred ten only	1 No (One Each)	2510.00
2	0.20LL capacity of sump	1	No.	2510.00	Rupees two thousand five hundred ten only	1 No (One Each)	2510.00
3	0.30LL capacity of sump	1	No.	3305.00	Rupees three thousand three hundred five only	1 No (One Each)	3305.00
4	2.25LL capacity of sump	1	No.	9040.00	Rupees nine thousand forty only	1 No (One Each)	9040.00
5	4.5LL capacity of sump	1	No.	9125.00	Rupees nine thousand one hundred twenty five only	1 No (One Each)	9125.00
	Desilting light or sandy soil or silt from collection well and baby well below water level including the charges for special tools & plants and air compressor etc complete						
1	Infiltration Well -3.5m Dia	1	No	17768.00	Rupees seventeen thousand seven hundred sixty eight only	1 No (Each)	17768.00
2	Infiltration Well -4.5m Dia	1	No	23337.00	Rupees twenty three thousand three hundred thirty seven only	1 No (Each)	23337.00
	REPAIRS AND RENEWALS						
	Rewinding of Motors in pumping stations in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all labour charges, cost of materials and all incidental charges within the stipulated time limit etc., complete as specified in Clause 2.8 of General conditions of Contract Part II.						
1	Rewinding of burnout coil of stator in the motor of 30HP OWS pumpset at Vangal HW Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	30750.00	Rupees thirty thousand seven hundred fifty only	1 No (Each)	30750.00
2	Rewinding of burnout coil of stator in the motor of 20HP OWS pumpset at Vangal HW new Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	23650.00	Rupees twenty three thousand six hundred fifty only	1 No (Each)	23650.00
3	Rewinding of burnout coil of stator in the motor of 7.5HP OWS pumpset at Valliappampalayam Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	13494.00	Rupees thirteen thousand four hundred ninety four only	1 No (Each)	13494.00

4	Rewinding of burnout coil of stator in the motor of 7.5HP OWS pumpset at Rameswarappatty Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	13494.00	Rupees thirteen thousand four hundred ninety four only	1 No (Each)	13494.00
	Carrying out the repair works occurring during the maintenance period in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all charges for dismantling, repair, reinstallation, conveyance, cost of materials and all other incidental charges within the stipulated time limit etc., complete as specified in Clause 2.8 of General conditions of Contract Part II.B74						
1	Repairing and reconditioning of 30HP OWS pumpset at Vangal HW Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	30750.00			
2	Repairing and reconditioning of 20HP OWS pumpset at Vangal HW new Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	23650.00	Rupees twenty three thousand six hundred fifty only	1 No (Each)	23650.00
3	Repairing and reconditioning of 7.5HP OWS pumpset at Valliappampalayam Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	13494.00	.	1 No (Each)	13494.00
4	Repairing and reconditioning of 7.5HP OWS pumpset at Rameswarappatty Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	13494.00	Rupees thirteen thousand four hundred ninety four only	1 No (Each)	13494.00
5	Repairing and reconditioning of 5.00HP OWS pumpset at Mangasolipalayam Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	9325.00	Rupees nine thousand three hundred twenty five only	1 No (Each)	9325.00
6	Repairing and reconditioning of 2HP OWS pumpset at Mangasolipalayam Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	8350.00	Rupees eight thousand three hundred fifty only	1 No (Each)	8350.00
	Head works at Vangal						

1	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures including protection of all scheme components from damages/ theft undertaking legal actions for such untoward incidents, preventive maintenance, disinfection and deliverance of water as per quality standards and supply of earmarked quantity of water to the beneficiaries as per Annexure in XII LABOUR DATA, carrying out the O&M as per standard operating procedures, Acts and rules in force etc., complete and as directed by TWAD Board Officers and excluding cost towards attending leak, burst repair and replacement works to electro mechanical installations consumables for disinfection of water, cleaning of all water retaining structure, electricity .	67.1	MLD	6384.53	Rupees six thousand three hundred eighty four and paise fifty three only	1MLD (One MLD Each)	428401.96
	LEAK AND BURST						
II	Attending Leaks in the pipelines of this CWSS for the following items, as per the standard procedure including earthwork excavation, dewatering, removing, relaying, jointing, civil works, cost of materials and all other incidental charges, etc complete within the stipulated time limit as specified in Clause						
1	110mm OD PVC 10 KSC pipes	25	Nos	2982.00	Rupees two thousand nine hundred eighty two only	1 No (Each)	74550.00
2	110mm OD PVC 6 KSC pipes	30	Nos	1703.00	Rupees one thousand seven hundred three only	1 NO (Each)	51090.00
3	110mm OD PVC 4 KSC pipes	25	Nos	1579.00	Rupees one thousand five hundred seventy nine only	1 NO (Each)	39475.00
III	Desilting light or sandy soil or silt from collection well and baby well below water level including the charges for special tools & plants and air compressor etc complete						
1	Infiltration Well -4.5m Dia	1	No.	23332.00	Rupees twenty three thousand three hundred thirty two only	1 NO (Each)	23332.00
	REPAIRS AND RENEWALS						

I	Rewinding of Motors in pumping stations in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all labour charges, cost of materials and all incidental charges within the stipulated time limit etc.,						
1	Rewinding of burnout coil of stator in the motor of 12.5HP OWS pumpset at Kattipalayam HW Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	17525.00	Rupees seventeen thousand five hundred twenty five only	1 No (Each)	17525.00
II	Carrying out the repair works occuring during the maintenance period in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all charges for dismantling repair reinstallation conveyance cost of						
1	Reparing and reconditioning of 12.5HP OWS pumpset at Kattipalayam HW Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	17525.00	Rupees seventeen thousand five hundred twenty five only	1 No (Each)	17525.00
III	Head works at Kattipalayam						
1	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 32Amps rating conforming to IS /	1.00	Nos	4343.00	Rupees four thousand three hundred forty	1 No (Each)	4343.00
2	Supply , delivery and fixing of single phase preventer should protect the motor against single phasing, reverse phasing and unbalance supply	1.00	Nos	1152.00	Rupees one thousand one hundred fifty two only	1 No (Each)	1152.00
4	Overload Relays: Directly operated Bimetallic Thermal overload relay which operates in case of overload and also in case of under voltage with manual and auto reset mode. 20-30A	1.00	Nos	2152.00	Rupees two thousand one hundred fifty two only	1 No (Each)	2152.00
5	Charges for removing the burnt power capacitor and labour charges for fixing the new 4KVAR capacitor suitable length copper cable wiring this panel board testing etc. complete after adjusted the old screw materials	1.00	No	1844.00	Rupees one thousand eight hundred forty four only	1 No (Each)	1844.00
6	Supply and delivery of 100Amps porcelain fuse (500V)	1.00	Nos	550.00	Rupees five hundred fifty only	1 No (Each)	550.00
7	Supply and delivery of 100Amps, 4 pole, Moulded case circuit breaker (MCCB).	1.00	No	34431.00	Rupees thirty four thousand four hundred thirty one only	1 No (Each)	34431.00
8	Supply and delivery of 63Amps, 3 pole, Moulded case circuit breaker (MCCB)	1.00	Nos	59022.00	Rupees fifty nine thousand twenty two only	1 No (Each)	59022.00

I	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures including protection of all scheme components from damages/ theft undertaking legal actions for such untoward incidents, preventive maintenance, disinfection and deliverance of water as per quality standards and supply of earmarked quantity of water to the beneficiaries as per Annexure in XII LABOUR DATA, carrying out the O&M as per standard operating procedures, Acts and rules in force etc., complete and as directed by TWAD Board Officers and excluding cost towards attending leak, burst repair and replacement works to electro mechanical installations consumables for disinfection of water, cleaning of all water retaining structure, electricity	204.35	MLD	2795.22	Rupees two thousand seven hundred ninety five and paise only	1MLD (One MLD Each)	571203.00
II	Attending Leaks in the pipelines of this CVWS for the following items, as per the standard procedure including earthwork excavation, dewatering, removing, relaying, jointing, civil works, cost of materials and all other incidental charges, etc complete within the stipulated time limit as specified in Clause 2.6.4 of General conditions of Contract, Part II						
1	63mm OD PVC 4 KSC pipes	25	Nos	1017.00	Rupees one thousand seventeen only	1 No (Each)	25425.00
2	75mm OD PVC 4 KSC pipes	15	Nos	1205.00	Rupees one thousand two hundred five only	1 No (Each)	18075.00
3	90mm OD PVC 4 KSC pipes	31	Nos	1412.00	Rupees one thousand four hundred twelve only	1 No (Each)	43772.00
4	140mm OD PVC 4 KSC pipes	42	Nos	1978.00	Rupees one thousand nine hundred seventy eight only	1 No (Each)	83076.00
5	160mm OD PVC 6 KSC pipes	25	Nos	5185.00	Rupees five thousand one hundred eighty five only	1 No (Each)	129625.00
III	REPAIRS AND RENEWALS						

I	Rewinding of Motors in pumping stations in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all labour charges, cost of materials and all incidental charges within the stipulated time limit etc., complete as specified in Clause 2.8 of General conditions of Contract Part II.						
1	Rewinding of burnout coil of stator in the motor of 25HP OWS pumpset at Mallampalayam HW Infiltration Well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	26900.00	Rupees twenty six thousand nine hundred only	1 No (Each)	26900.00
II	Carrying out the repair works occuring during the maintenance period in the Electrical, Mechanical and Elctro-mechanical items to bring back the scheme / components into normal running condition as per specification including all charges for dismantling, repair, reinstallation, conveyance, cost of materials and all other incidental charges within the stipulated time limit etc., complete as specified in Clause 2.8 of General conditions of Contract Part II.B74						
2	Reparing and reconditioning of 25HP OWS pumpset at Mallampalayam infiltration well including cost of all material, labour, removing, conveyance and re-erection etc., complete.	1.00	Job	26900.00	Rupees twenty six thousand nine hundred only	1 No (Each)	26900.00
III	Head works at Mallampalayam						
1	Supply and delivery of 200Amps, 4 pole, Moulded case circuit breaker (MCCB).	1	No	32737.00	Rupees thirty two thousand seven hundred thirty seven only	1 No (Each)	32737.00
2	Supply , delivery and fixing of single phase preventer should protect the motor against single phasing, reverse phasing and unbalance supply	1.00	Nos	1152.00	Rupees one thousand one hundred fifty two only	1 No (Each)	1152.00
3	Supply , delivery and fixing of timer	1.00	Nos	2150.00	Rupees two thousand one hundred fifty only	1 No (Each)	2150.00
4	Overload Relays: Directly operated Bimetallic Thermal overload relay which operates in case of overload and also in case of under voltage with manual and auto reset mode. 30-50A	1.00	Nos	2963.00	Rupees two thousand nine hundred sixty three only	1 No (Each)	2963.00

5	Charges for removing the burnt power capacitor and labour charges for fixing the new 8KVAR capacitor suitable length copper cable wiring this panel board testing etc. complete after adjusted the old scrap materials	1.00	No	3688.00	Rupees three thousand six hundred eighty eight only	1 No (Each)	3688.00
6	Supply and fixing of 150 Amps three phase 500 V 4 pole Change over switch	1.00	Nos	3225.00	Rupees three thousand two hundred twenty five only	1 No (Each)	3225.00
7	125 A TPN switch disconnecter fuse units in sheet steel enclosure with HRC fuses Double break.	1.00	Each	7129.00	Rupees seven thousand one hundred twenty nine only	1 No (Each)	7129.00
8	CI D/F SLUICE VALVE WITH CAP/ WHEEL AS PER IS 14846/2000 PN 1.0 WITH ISI MARKING	1.00	Nos	6366.00	Rupees six thousand three hundred sixty six only	1 No (Each)	6366.00
9	C.I. D/F REFLUX VALVE AS PER I.S. 5312/2004/ PART I/ 84 PN 1.0 WITH BYE-PASS ARRANGEMENTS WITH ISI MARKING	1.00	Nos	7518.00	Rupees seven thousand five hundred eighteen only	1 No (Each)	7518.00
IV	Desilting light or sandy soil or silt from collection well and baby well below water level including the charges for special tools & plants and air compressor etc complete						
1	Infiltration Well -3.5m Dia	1	No.	22936.00	Rupees twenty two thousand nine hundred thirty six only	1 No (Each)	22936.00

4122251.97

Departmental value

4122252.00

Rupees Forty one lakh Twenty two thousand Two hundred fifty one only

**I /WE agree to execute all the above components of work at
percentage excess/less over the Departmental Value mentioned above (the
percentage should be mentioned both in words and figures)
/True copy/-**