

GENERAL ABSTRACT.

Operation and Maintenance of Othiyam CWSS, Melausainnagaram CWSS and Gudalur-Sathanur CWSS in Alathur and Veppur Union of Perambalur District for a period of (10 Months) from 01.06.2022 to 31.03.2023.

Sl. No.	Schedule No	NAME OF COMPONENT	AMOUNT IN RUPEES.
1	A1	1.Operation and Maintenance of the Electro Mechanical installations, equipments,components, pipelines valves and appurtenances, water retaining structures	1856407.07
2	A2	2. Attending Leaks and Burst of the Pipe lines	191014.00
3	A3	3.Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item	117503.00
4	A4	4. Cleaning of all storage points like sumps, elevated reservoirs of various capacities	10268.10
		TOTAL	2175192.17
Rupees twenty one lakhs Lakhs seventy five thousand one hundred and ninety two and paise seventeen 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 FIGURES AND WORDS)

Signature of contractor

Operation and Maintenance of Othiyam CWSS, Melausainnagaram CWSS and Gudalur-Sathanur CWSS in Alathur and Veppur Union of Perambalur District for a period of (10 Months) from 01.06.2022 to 31.03.2023.							
1.Operation and Maintenance of the Electro Mechanical installations, equipments,components, pipelines valves and appurtenances, water retaining structures							
S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	Operation and Maintenance of the Electro Mechanical installations,equipements,components,pipe lines 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 standard operating procedures,Acts and rules in force and as directed by TWAD Board Officers and excluding cost towards attending leak,burst repairs and replacement works to electro mechanical installations consumables for disinfection of water,cleaning of all water retaining structure.	313.12 MLD	Specifications	1 MLD (One MLD)	5928.74	Rupees five thousands nine hundreds twenty eight and paise seventy four only	1856407.07
	TOTAL -A1						1856407.07

Operation and Maintenance of Othiyam CWSS, Melausainnagaram CWSS and Gudalur-Sathanur CWSS in Alathur and Veppur Union of Perambalur District for a period of (10 Months) from 01.06.2022 to 31.03.2023.

2. Attending Leaks and Burst of the Pipe lines

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	Operation and Maintenance of the Electro Mechanical installations,equipements,components,pip elines valves and appurtenances,water retaining structuress including protection of all scheme components from damages/theft undertaking legal actions for such untoward incidents,preventive maintenance, disinfection and deliverance of watyer ar per quality standards and supply of earmarked quantity of water to the beneficiaries as per stanndard operating procedures,Acts and rules in force and as directected by TWAD Board Officers and excluding cost towards attending leak,burst repairs and replacement works to electro mechanical installations consumables for disinfection of water,cleaning of all water retaining structure.		specified in clause 1.7 of GCC - Part-I)				
a	63mm 4 ksc PVC Pipes	15.00 Nos.		1 No. (One Number)	1390.00	Rupees one thousand three hundreds ninety only	20850.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
b	75mm 4 ksc PVC Pipes	10.00 Nos.		1 No. (One Number)	1455.00	Rupees one thousand four hundreds fifty five only	14550.00
c	90mm 4 ksc PVC Pipes	17.00 Nos.		1 No. (One Number)	1785.00	Rupees one thousand seven hundreds eighty five only	30345.00
d	110mm 4 ksc PVC Pipes	17.00 Nos.		1 No. (One Number)	2477.00	Rupees two thousands four hundreds seventy seven only	42109.00
e	140mm 4 ksc PVC Pipes	30.00 Nos.		1 No. (One Number)	2772.00	Rupees two thousands seven hundreds seventy two only	83160.00
	TOTAL - A2						191014.00

Operation and Maintenance of Othiyam CWSS, Melausainnagaram CWSS and Gudalur-Sathanur CWSS in Alathur and Veppur Union of Perambalur District for a period of (10 Months) from 01.06.2022 to 31.03.2023.							
3.Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item							
S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	Operation and Maintenance of the Electro Mechanical installations,equipements,components,pip elines valves and appurtenances,water retaining structuress including protection of all scheme components from damages/theft undertaking legal actions for such untoward incidents,preventive maintenance, disinfection and deliverance of watyer ar per quality standards and supply of earmarked quantity of water to the beneficiaries as per stanndard operating procedures,Acts and rules in force and as directected by TWAD Board Officers and excluding cost towards attending leak,burst repairs and replacement works to electro mechanical installations consumables for disinfection of water,cleaning of all water retaining structure.		As per IE rules and Special specification				

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
	Repairing and rewinding of pump sets station in the Electrical, Mechanical and Electro-mechanical items to bring back the scheme / components into normal running condition as per standard 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 etc as directed by TWAD Board officers		specified in Clause 2.8 of General conditions of Contract Part II				
a	Repairing and reconditioning of Pump for 12.5 HP Submersible Pumpset including all material,labour,etc at Head Works Varisaipatti,Melausainnagaram and Nochikulam.	1 No.	As per IE rules	1 No. (One Number)	30700.00	Rupees thirty thousands seven hundreds only	30700.00
b	Repairing and reconditioning of Pump for 5 HP Submersible Pumpset including all material,labour,etc at Karambayam,Athanur and Sathanur	1 No.	As per IE rules	1 No. (One Number)	21200.00	Rupees twenty one thousands two hundreds only	21200.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
2	Repair and replacement of spares in Starters, MV Panel Board, required cables and allied works including the cost of ATS Coil / FCMA coil rewinding work and excluding the cost of Volt Meter, Ammeter, Single Phase Preventor, timer, MCCB, Contactor and required KVA Capacitor.		As per IE rules				
a	12.50HP borewell submersible pumpset	1 No.		1 No. (One Number)	9900.00	Rupees nine thousands nine hundreds only	9900.00
3	Repair and replacement of spares in Starters, MV Panel Board with required cables and allied works excluding the cost of Volt Meter, Ammeter, Single Phase Preventor, timer, MCCB, Contactor and required KVA Capacitor.		As per IE rules				
a	5.00HP OW submersible pumpset	1 No.		1 No. (One Number)	3500.00	Rupees three thousands five hundreds only	3500.00
4	Replacement of non functioning unserviceable Gun Metal gate Valve without affecting existing alignment by using contractor tools excluding the cost of valve but including required length of GI nipple, Coupling etc ., complete		As per IE rules and special specification				

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
a	50mm Gate Valve	1 No.		1 No. (One Number)	2600.00	Rupees two thousands six hundreds only	2600.00
b	65mm Gate Valve	1 No.		1 No. (One Number)	3750.00	Rupees three thousands seven hundreds fifty only	3750.00
5	Supply, Delivery and Fixing of Tamper Proof DI Single Chamber Air Release Valve with Pressure Range from PN 1.0 to 2.5 with metal body and cover made of Ductile Iron of Grade GGG 40 or Equivalent grade conforming to IS 1865 with Food Grade Epoxy Powder Coating (EP-P) inside and for outside of Copper Blue RAL 5005. All internal Parts such as Float, shell etc., cover bolts made of Austenitic Alloy steel of SS AISI 304/316. The Float shall be made of Polytetrafluoroethylene / Austenitic alloy steel of AISI 304/316. Gaskets and seals of EPDM / Neoprene Rubber for TWAD Board works anywhere in Tamilnadu.		Conforming to IS 1865 & SS AISI 304/316 and special specification				
a	50mm Tamper Proof DI Single Chamber Air Release Valve	1 No.		1 No. (One Number)	12215.00	Rupees twelve thousands two hundreds fifteen only	12215.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
6	Supply, Delivery and Fixing of Star-Delta starter confirming to IS 13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/ Three Phase/50HZ (+/- 5%) and 415V (+/- 10%) including 3 pole magnetic contactor with under voltage release - 3 nos., CT operated Ammeter (65 mm dia) with suppressed scale, Voltmeter (65mm dia), Voltmeter selector switch, Miniature circuit breaker, Thermal Overload relay, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, wiring with 1 sq.mm/4 sq. mm copper pvc insulated cable, powder coated vermin proof box, including the capacitor (the cost of capacitor is to be taken separately).		Confirming to IS 13947, IEC 60947-1 and as per IE rules				
a	12.50 HP	1 No.		1 No. (One Number)	22991.00	Rupees twenty two thousands nine hundreds ninety one only	22991.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
7	Supply, Delivery and Laying of PVC Insulated and Sheathed 3 Core Flat copper cable conforming to IS 694 / 1990 for replacing the burnt copper cable from pumpset to starter		conforming to IS 694 / 1990 and IE rules0				
a	4.0 sq.mm	30 m		1 M (One Metre)	200.00	Rupees two hundreds only	6000.00
8	Jointing of PVC Insulated and Sheathed 3 Core Flat copper cable conforming to IS 694 / 1990 for replacing the burnt copper cable from pumpset to starter		conforming to IS 694 / 1990 and IE rules				
a	4.0 sq.mm	6 Joint		1 Jonit (One Joint)	193.00	Rupees one hundred ninety three only	1158.00
9	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415/440V 50 HZ conforming to ISS with ISI marking		As per IE rules				
a	For Starters in GS with Pumpset upto 5 HP	2 1 KVAR		1KVAR (One KVAR)	315.00	Rupees three hundreds fifteen only	630.00
b	For Starters in GS with Pumpset upto 12.5 HP	5 1 KVAR		1KVAR (One KVAR)	315.00	Rupees three hundreds fifteen only	1575.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
10	Electric Motor protection device against single phasing. The device should protect the motor against single phasing, reverse phasing and unbalance supply. The device should be suitable for any auxillary device and have provisions for mounting in panel boards. Operate without need of any auxiliary supply. (Single Phasing Preventer)	1 No.		1 No. (One Number)	1152.00	Rupees one thousand one hundred fifty two only	1152.00
I	Supply, Delivery and Fixing of Porcelien Fuse Units						
a	16 Amps	1 No.		1 No. (One Number)	47.60	Rupees forty seven and paise sixty only	47.60
b	32 Amps	1 No.		1 No. (One Number)	84.40	Rupees eighty four and paise forty only	84.40
	TOTAL -A3						117503.00

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4. Cleaning of all storage points like sumps, elevated reservoirs of various capacities

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	Operation and Maintenance of the Electro Mechanical installations,equipements,components,pip elines valves and appurtenances,water retaining structuress including protection of all scheme components from damages/theft undertaking legal actions for such untoward incidents,preventive maintenance, disinfection and deliverance of watyer ar per quality standards and supply of earmarked quantity of water to the beneficiaries as per stanndard operating procedures,Acts and rules in force and as directected by TWAD Board Officers and excluding cost towards attending leak,burst repairs and replacement works to electro mechanical installations consumables for disinfection of water,cleaning of all water retaining structure.		specified in Clause 2.8 of General conditions of Contract Part II				-
a	0.10 LL capacity of sump	3.00 Nos.		1 No. (One Number)	3,422.70	Rupees three thousands four hundreds twenty two and paise seventy only	10,268.10
	TOTAL -4						10,268.10