

SCHEDULE -A

BILL OF QUANTITIES

I) Out Sourcing of Operation and Maintenance of CWSS to Nathiyanur and 20 other habitations in Thirumanur and Ariyalur Unions in Ariyalur District for the year 2022-23 (Period from 01.06.2022 to 31.03.2023)							
Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
I	Operation and Maintenance of the Electro Mechanical installations ,equipements ,components, pipelines 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. (304 DaysX0.80 MLD=243.20ML)	243.20 ML	specified in Clause 2.8 of General conditions of Contract Part II	1 ML (One Million Liters)	2935.87	Rupees two thousands nine hundreds thirty five and paise eighty seven only	714003.58
	TOTAL -A						714003.58

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
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 with in the stipulated time limit as specified in clause 2.6.4 of General conditions of Contact-Part II. (The specifications for attending leaks has to be detailed based on the data prepared and rate approval obtained for each size and material of pipes. The specification has to be mentioned under the clause 1.7 of GCC-Part-I)		specified in Clause 2.8 of General conditions of Contract Part II				
1	50 mm 6 ksc PVC Pipes	20 Nos.		Each	1375.00	Rupees one thousand three hundreds seventy five only	27500.00
2	63mm 4 ksc PVC Pipes	25 Nos.		Each	1390.00	Rupees one thousand three hundreds ninety only	34750.00
3	75mm 4 ksc PVC Pipes	20 Nos.		Each	1455.00	Rupees one thousand four hundreds fifty five only	29100.00
4	90 mm 4 ksc PVC Pipes	25 Nos.		Each	1785.00	Rupees one thousand seven hundreds eighty five only	44625.00

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
5	140mm 4 ksc PVC Pipes	20 Nos.		Each	2772.00	Rupees two thousands seven hundreds seventy two only	55440.00
6	150mm AC CL 15 Pipes	5 Nos.		Each	3863.70	Rupees three thousands eight hundreds sixty three and paise seventy only	19318.50
7	200mm AC CL 15 Pipes	15 Nos.		Each	4111.50	Rupees four thousands one hundred eleven and paise fifty only	61672.50
8	225 mm 4 ksc PVC Pipes	10 Nos.		Each	5629.00	Rupees five thousands six hundreds twenty nine only	56290.00
9	250mm AC CL 15 Pipes	20 Nos.		Each	5612.90	Rupees five thousands six hundreds twelve and paise ninety only	112258.00
						TOTAL -B	440954.00
III	Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item						

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
	Rewinding of motors in pumping 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				
1	Repairing and reconditioning of Pump for 30 HP Submersible Pumpset including all material,labour,etc at Nathiyanur HW	2 No.		Each	43700.00	Rupees forty three thousands seven hundreds only	87400.00
2	Repairing and reconditioning of Pump for 12.50HP Submersible Pumpset- at Nathiyanur bore well 1 No	1 No.		Each	30700.00	Rupees thirty thousands seven hundreds only	30700.00
3	Repairing and reconditioning of Pump for 7.50 HP Centrifugal Pumpset-Sump at sundakudi 1 No	2 No.		Each	24200.00	Rupees twenty four thousands two hundreds only	48400.00
4	Repairing and reconditioning of Pump for 12.50 HP Submersible Pumpset at sundakudi bore well -1 No	1 No.		Each	30700.00	Rupees thirty thousands seven hundreds only	30700.00
5	Replacement of Starter 30 HP	1 No.		Each	16500.00	Rupees sixteen thousands five hundreds only	16500.00

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
6	Replacement of Starter 12.5 HP	1 No.		Each	10900.00	Rupees ten thousands nine hundreds only	10900.00
7	Replacement of Starter 7.50 HP	1 No.		Each	8500.00	Rupees eight thousands five hundreds only	8500.00
8	Replacement of Starter 12.50 HP	1		Each	10900.00		10900.00
						TOTAL - C	244000.00
IV	Cleaning of all storage points like sumps, stand posts of various capacities available in this scheme at a frequency of once in two months including scrapping the inner side of compartment completely, dewatering, desilting using required machineries , materials , labour, all incidental charges , application of bleaching powder/ solution etc complete and as directed by TWAD Board officers		specified in Clause 2.8 of General conditions of Contract Part II				
1	0.40 LL Capacity Sundakudi sump		2.00	Each	4985.99	Rupees four thousands nine hundreds eighty five and paise ninety nine only	9971.98
						TOTAL-D	9971.98
	TOTAL (A+B+C+D) - 1A						1408929.56

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
II	Out Sourcing of Operation and Maintenance of CWSS to 29 habitations in Thirumanur union in Ariyalur District for the year 2022-23 (Period from 01.06.2022 to 31.03.2023)						
I	Operation and Maintenance of the Electro Mechanical installations ,equipements ,components, pipelines 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. (304 DaysX0.720 MLD= 218.88 ML)	218.88 ML	specified in Clause 2.8 of General conditions of Contract Part II	1 ML (One Million Liters)	3262.08	Rupees three thousands two hundreds sixty two and paise eight only	714004.07
						TOTAL -A	714004.07

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
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 with in the stipulated time limit as specified in clause 2.6.4 of General conditions of Contact-Part II.(The specifications for attending leaks has to be detailed based on the data prepared and rate approval obtained for each size and material of pipes.The specification has to be mentioned under the clause 1.7 of GCC-Part- a						
1	50 mm 6 ksc PVC Pipes	25 Nos.		Each	1375.00	Rupees one thousand three hundreds seventy five only	34375.00
2	63mm 4 ksc PVC Pipes	30 Nos.		Each	1390.00	Rupees one thousand three hundreds ninety only	41700.00
3	75mm 4 ksc PVC Pipes	25 No.		Each	1455.00	Rupees one thousand four hundreds fifty five only	36375.00
4	90 mm 4 ksc PVC Pipes	25 Nos.		Each	1785.00	Rupees one thousand seven hundreds eighty five only	44625.00

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
5	140mm 4 ksc PVC Pipes	25 Nos.		Each	2772.00	Rupees two thousands seven hundreds seventy two only	69300.00
6	200mm AC CL 15 Pipes	30 Nos.		Each	4111.50	Rupees four thousands one hundred eleven and paise fifty only	123345.00
	AC/PSC pipe minor Burst -Supply of MS pipe						
7	200 mm AC pipe (4 nos x 71.72 kg) 286.88 KG	286.88 Kg		KG	114.00	Rupees one hundred fourteen only	32704.32
	Repair and reconditioning of valves						
8	200mm CI Sluice Valve	2 Kg		No	8800.00	Rupees eight thousands eight hundreds only	17600.00
9	50mm DI Single Chamber Air release Valve	4 Kg		No	1900.00	Rupees one thousand nine hundreds only	7600.00
10	80mm DI Single Chamber Air release Valve	4 Kg		No	2600.00	Rupees two thousands six hundreds only	10400.00
	Replacement of Gun Metal Gate Valve including required length of GI nipple , Coupling etc complete						
11	50 mm GM Gate valve □	5 Kg		No	2600.00	Rupees two thousands six hundreds only	13000.00

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
12	80 mm GM Gate valve □	3 Kg		No	2082.00	Rupees two thousands eighty two only	6246.00
						TOTAL - B	437270.32
III	Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item						
	Rewinding of motors in pumping 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				
1	Repairing and reconditioning of Pump for 25 HP Submersible Pumpset including all material,labour,etc at Manjamadu HW	1 No.		Each	39600.00	Rupees thirty nine thousands six hundreds only	39600.00
2	Repairing and reconditioning of Pump for 12.50HP Submersible Pumpset- at manjamadu well 1 No	1 No.		Each	30700.00	Rupees thirty thousands seven hundreds only	30700.00
3	Repairing and reconditioning of Pump for 12.50 HP Submersible Pumpset- Sump at Kovilur SP 1 No	1 No.		Each	30700.00	Rupees thirty thousands seven hundreds only	30700.00

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
4	Repairing and reconditioning of Pump for 1 HP centrifugal Pumpset-SP at Kovilur -1 No	1 No.		Each	11100.00	Rupees eleven thousands one hundred only	11100.00
5	Replacement of Starter	No.					
6	Replacement of Starter 25 HP	2 No.		Each	15600.00	Rupees fifteen thousands six hundreds only	31200.00
7	Replacement of Starter 12.5 HP	2 No.		Each	10900.00	Rupees ten thousands nine hundreds only	21800.00
8	Replacement of Starter 1 HP	1 No.		Each	1600.00	Rupees one thousand six hundreds only	1600.00
	Attending cable fault with replacing 10m of cable						
9	PVC Insulated 3 core flat type copper cable-4 sq.mm	10 No.		M	193.00	Rupees one hundred ninety three only	1930.00
	Supply and delivery of the following Electrical works:consumable items at the site of work carry out the general maintenance works						

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
10	Volt meter SR 96 600 V-AC	2 No.		Each	905.00	Rupees nine hundreds five only	1810.00
11	Ammeter SR 96 5D/5A C.T.operated-AC	2 mts		Each	791.00	Rupees seven hundreds ninety one only	1582.00
12	LED Outdoor fittings a)30 W LED street light fittings	2 mts		Each	2502.00	Rupees two thousands five hundreds two only	5004.00
13	Power capacitor for power factor improvement with oil filled with discharge resistance 3 phase 415/440V 50 HZ conforming to ISS:2834 with ISI marking	20 mts		KVAR	315.00	Rupees three hundreds fifteen only	6300.00
						Total A-3	183326.00
IV	Cleaning of all storage points like sumps, stand posts of various capacities available in this scheme at a frequency of once in two months including scrapping the inner side of compartment completely, dewatering, desilting using required machineries , materials , labour, all incidental chargs , application of bleaching powder/ solution etc complete and as directed by TWAD Board officers						
1	1 LL Capacity Standpost	1 No.	2.00	Each	7973.67	Rupees seven thousands nine hundreds seventy three and paise sixty seven only	15947.34

Sl. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
						TOTAL - D	15947.34
	TOTAL (A+B+C+D) - 2A						1350547.73
					GRAND TOTAL (1A+2A)		2759477.29

(Rupees Twenty seven lakhs fifty nine thousand four hundred and seventy seven paise twenty nine 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)