

COVER II

**CWSS to 135 Habitations in Vaiyampatti and  
Marungapuri unions of Trichy District for the  
period from 16.06.2022 to 31.03.2023 (9.50  
months)**

**PRICE BID**

**CWSS to 135 Habitations in Vaiyampatti and Marungapuri unions of Trichy District for the period from  
16.06.2022 to 31.03.2023 (9.50 months)**

**GENERAL ABSTRACT.**

<b>Sl. No.</b>	<b>Schedule No</b>	<b>NAME OF COMPONENT</b>	<b>AMOUNT IN RUPEES.</b>
1	A1	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures	7,544,626.17
2	A2	Attending LEAKS and BURST of the Pipe lines	590,819.88
3	A3	Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item	962,942.00
4	A4	Cleaning of all storage points like sumps of various capacities	462,564.68
		TOTAL	<b>9,560,952.73</b>
Rupees Ninety five lakhs sixty thousand nine hundred and fifty two and paise seventy three 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 )

**CWSS to 135 Habitations in Vaiyampatti and Marungapuri unions of Trichy District for the period from 16.06.2022 to 31.03.2023 (9.50 months)**

**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, 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 ....., carrying out the O&M as per standard operating procedures, Acts and rules in force 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.	465.29 MLD		1 MLD (One MLD)	16214.89	Rupees sixteen thousands two hundreds fourteen and paise eighty nine only	7544626.168
	<b>TOTAL -A1</b>						<b>7544626.168</b>

**CWSS to 135 Habitations in Vaiyampatti and Marungapuri unions of Trichy District for the period from 16.06.2022 to 31.03.2023 (9.50 months)**

**Attending LEAKS and BURST of the Pipe lines**

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	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. (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 specifictaion has to be mentioned under the clause 1.7 of GCC - Part- I)		specified in clause 1.7 of GCC - Part- I)				
<b>I</b>	<b>For Minor Leak</b>						
a	250MM DI K9 Pipe	12.00 Nos.		1 No. (One Number)	6321.83	Rupees six thousands three hundreds twenty one and paise eighty three only	75,861.96
b	250MM DI K7 Pipe	12.00 Nos.		1 No. (One Number)	6321.83	Rupees six thousands three hundreds twenty one and paise eighty three only	75,861.96
c	200MM DI K7 Pipe	16.00 Nos.		1 No. (One Number)	5635.81	Rupees five thousands six hundreds thirty five and paise eighty one only	90,172.96
d	160mm 4 ksc PVC Pipes	18.00 Nos.		1 No. (One Number)	4121.00	Rupees four thousands one hundred twenty one only	74,178.00
e	140mm 4 ksc PVC Pipes	12.00 Nos.		1 No. (One Number)	2772.00	Rupees two thousands seven hundreds seventy two only	33,264.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
f	110mm 4 ksc PVC Pipes	18.00 Nos.		1 No. (One Number)	2477.00	Rupees two thousands four hundreds seventy seven only	44,586.00
g	90mm 4 ksc PVC Pipes	20.00 Nos.		1 No. (One Number)	1785.00	Rupees one thousand seven hundreds eighty five only	35,700.00
h	75 mm 4 ksc PVC Pipes	12.00 Nos.		1 No. (One Number)	1455.00	Rupees one thousand four hundreds fifty five only	17,460.00
i	63 mm 4 ksc PVC Pipes	20.00 Nos.		1 No. (One Number)	1390.00	Rupees one thousand three hundreds ninety only	27,800.00
j	50 mm 4 ksc PVC Pipes	18.00 Nos.		1 No. (One Number)	1375.00	Rupees one thousand three hundreds seventy five only	24,750.00
ii	Replacement of 65 mm GI pipe instead of 75mm PVC Pipe damaged pumping main causeway 6 locations	30.00 M		1 M (One Metre)	527.00	Rupees five hundreds twenty seven only	15,810.00
iii	Replacement of Underground Utilities (GI Pipe) damaged during earthwork excavations for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of GI pipes, coupler, Union, jointing materials and required specials, cutting, threading, conveying , laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers.TWAD SOR 2021-22/P 306						
a	50mm Dia GI Pipe	30.00 M		1 M (One Metre)	412.00	Rupees four hundreds twelve only	12,360.00
b	80mm Dia GI Pipe	30.00 M		1 M (One Metre)	653.00	Rupees six hundreds fifty three only	19,590.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
iv	Replacement of Underground Utilities (PVC Pipe) damaged during earthwork excavation for pipe laying works including cost of additional earthwork excavation in all soil strata, including BT/CC road cutting, removal of slushy soil and replacing the pipeline with sound pipe, including supply and delivery of PVC pipes, couplers, jointing materials and required specials, cutting, conveying, laying, jointing and cost of refilling for the additional earthwork etc complete and as directed by the TWAD board officers TWAD SOR 2021-22/P 308						
a	160mm 4 ksc PVC Pipes	30.00 M		1 M (One Metre)	465.5	Rupees four hundreds sixty five and paise fifty only	13,965.00
b	140mm Dia PVC pipe (4KSC)	30.00 M		1 M (One Metre)	357.50	Rupees three hundreds fifty seven and paise fifty only	10,725.00
c	110mm Dia PVC pipe (4KSC)	30.00 M		1 M (One Metre)	216.50	Rupees two hundreds sixteen and paise fifty only	6,495.00
d	90mm Dia PVC pipe (4KSC)	30.00 M		1 M (One Metre)	151.00	Rupees one hundred fifty one only	4,530.00
e	75mm Dia PVC pipe (4KSC)	30.00 M		1 M (One Metre)	109.00	Rupees one hundred nine only	3,270.00
f	63mm Dia PVC pipe (4KSC)	30.00 M		1 M (One Metre)	78.50	Rupees seventy eight and paise fifty only	2,355.00
g	50 mm 4 ksc PVC Pipes	30.00 M		1 M (One Metre)	69.50	Rupees sixty nine and paise fifty only	2,085.00
	<b>TOTAL -A2</b>						<b>590,819.88</b>

CWSS to 135 Habitations in Vaiyampatti and Marungapuri unions of Trichy District for the period from 16.06.2022 to 31.03.2023 (9.50 months)							
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	Carrying out the repair works occurring during the maintenance period in the Electrical, Mechanical and Electro-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 (The specifications for attending to repair / reconditioning works of pumpsets, panel boards, Valves, etc has to be detailed based on the data prepared and rate approval obtained for each items. 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				-
I	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						-
a	Repairing and reconditioning of Pump for 50 HP Open well Submersible Pumpset including all material,labour,etc at Head works Kottaikkarayanpatti BS - 1 Nos	2.00 Nos.		1 No. (One Number)	61000.00	Rupees sixty one thousands only	122,000.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
b	Repairing and reconditioning of Pump for 1 HP Open well Submersible Pumpset including all material,labour,etc at Various locations - 7 Nos	10.00 Nos.		1 No. (One Number)	12000.00	Rupees twelve thousands only	120,000.00
c	Repairing and reconditioning of Pump for 2 HP Open well Submersible Pumpset including all material,labour,etc at Various locations - 13 Nos	16.00 Nos.		1 No. (One Number)	14100.00	Rupees fourteen thousands one hundred only	225,600.00
d	Repairing and reconditioning of Pump for 3HP Open well Submersible Pumpset-Sumpat Various locations - 2 Nos	2.00 Nos.		1 No. (One Number)	18700.00	Rupees eighteen thousands seven hundreds only	37,400.00
e	Repairing and reconditioning of Pump for 5 HP Open well Submersible Pumpset-Sump at Aniyapoor - 2Nos	2.00 Nos.		1 No. (One Number)	21200.00	Rupees twenty one thousands two hundreds only	42,400.00
f	Repairing and reconditioning of Pump for 35 HP Open well Submersible Pumpset-Sump at Purathakudi BS - 1 Bo	1.00 Nos.		1 No. (One Number)	43700.00	Rupees forty three thousands seven hundreds only	43,700.00
<b>II</b>	<b>Replacement of Starter</b>						-
a	Replacement of Starter 50 HP Open well Submersible Pumpset	1.00 Nos.		1 No. (One Number)	121694.00	Rupees one lakh twenty one thousands six hundreds ninety four only	121,694.00
b	Replacement of Starter 1 HP Open well Submersible Pumpset	8.00 Nos.		1 No. (One Number)	5249.00	Rupees five thousands two hundreds forty nine only	41,992.00
c	Replacement of Starter 2 HP Open well Submersible Pumpset	4.00 Nos.		1 No. (One Number)	5249.00	Rupees five thousands two hundreds forty nine only	20,996.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
III	Supply ,delivery and fixing of the following Electrical works:consumable items at the site of work carry out the general maintenance works						-
a	Volt meter SR 96 600 V-AC TWAD	10.00 Nos.		1 No. (One Number)	905.00	Rupees nine hundreds five only	9,050.00
b	Ammeter SR 96 5D/5A C.T.operated-AC	10.00 Nos.		1 No. (One Number)	791.00	Rupees seven hundreds ninety one only	7,910.00
c	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 including labour charges	100.00 Nos.		1 No. (One Number)	315.00	Rupees three hundreds fifteen only	31,500.00
2	Average Expenditure incurred for Repair and replacement of spares in Starters, MV Panel Board, MV Panel Board, required cables and allied works includind 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.						-
a	For 50 HP Open well Submersible Pumpset at Head works Kottaikkarayanpatti BS - 1 Nos	2.00 Nos.			28500.00	Rupees twenty eight thousands five hundreds only	57,000.00
b	For 1 HP Open well Submersible Pumpset including all material,labour,etc at Various locations - 7 Nos	14.00 Nos.			1600.00	Rupees one thousand six hundreds only	22,400.00
c	For 2 HP Open well Submersible Pumpset including all material,labour,etc at Various locations - 13 Nos	15.00 Nos.			1800.00	Rupees one thousand eight hundreds only	27,000.00
d	For 3HP Open well Submersible Pumpset-Sumpat Various locations - 2 Nos	3.00 Nos.			2400.00	Rupees two thousands four hundreds only	7,200.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
e	For 5 HP Open well Submersible Pumpset-Sump at Aniyapoor - 2Nos	2.00 Nos.			4200.00	Rupees four thousands two hundreds only	8,400.00
f	For 35 HP Open well Submersible Pumpset-Sump at Purathakudi BS - 1 No	1.00 Nos.			16700.00	Rupees sixteen thousands seven hundreds only	16,700.00
	<b>TOTAL -A3</b>						<b>962,942.00</b>

**CWSS to 135 Habitations in Vaiyampatti and Marungapuri unions of Trichy District for the period from 16.06.2022 to 31.03.2023 (9.50 months)**

**Cleaning of all storage points like sumps of various capacities**

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
1	Cleaning of all storage points like sumps of various capacities available in this scheme at a frequency of once in three months 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.		specified in Clause 2.8 of General conditions of Contract Part II				-
a	0.90 LL capacity of sump - 1 No	4.00 Nos.		1 No. (One Number)	7973.67	Rupees seven thousands nine hundreds seventy three and paise sixty seven only	31,894.68
b	0.55 LL capacity of sump - 2 No	8.00 Nos.		1 No. (One Number)	5965.04	Rupees five thousands nine hundreds sixty five and paise four only	47,720.32
c	0.45 LL capacity of sump - 1 No	4.00 Nos.		1 No. (One Number)	5965.04	Rupees five thousands nine hundreds sixty five and paise four only	23,860.16
d	0.40 LL Capacity of sump - 1No	4.00 Nos.		1 No. (One Number)	4985.99	Rupees four thousands nine hundreds eighty five and paise ninety nine only	19,943.96
e	0.35 LL Capacity of sump - 3 Nos	12.00 Nos.		1 No. (One Number)	4985.99	Rupees four thousands nine hundreds eighty five and paise ninety nine only	59,831.88
f	0.30 LL Capacity of sump - 3 Nos	12.00 Nos.		1 No. (One Number)	4985.99	Rupees four thousands nine hundreds eighty five and paise ninety nine only	59,831.88
g	0.25 LL Capacity of sump - 3 Nos	12.00 Nos.		1 No. (One Number)	4011.01	Rupees four thousands eleven and paise one only	48,132.12

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
h	0.20 LL Capacity of sump - 2 Nos	8.00 Nos.		1 No. (One Number)	4011.04	Rupees four thousands eleven and paise four only	32,088.32
i	0.15 LL Capacity of sump - 1 No	4.00 Nos.		1 No. (One Number)	4011.04	Rupees four thousands eleven and paise four only	16,044.16
j	0.10 LL Capacity of sump - 7 Nos	28.00 Nos.		1 No. (One Number)	3422.70	Rupees three thousands four hundreds twenty two and paise seventy only	95,835.60
k	0.05 LL Capacity of sump - 2 Nos	8.00 Nos.		1 No. (One Number)	3422.70	Rupees three thousands four hundreds twenty two and paise seventy only	27,381.60
	<b>TOTAL -4</b>						<b>462,564.68</b>