

COVER II

Operation and Maintenance of CWSS to Pudukkottai Municipality, 3 Town Panchayats and 15 way side habitations in Pudukkottai, Karur, and Trichy District and CWSS to 20 Outskirt habitations of Pudukkottai Union Tapping from Pudukkottai CWSS near Ellaipatti in Pudukkottai District for the period from 16.06.2022 to 31.03.2023  
(9.50 months)

**PRICE BID**

**Operation and Maintenance of CWSS to Pudukkottai Municipality, 3 Town Panchayats and 15 way side habitations in Pudukkottai, Karur, and Trichy District and CWSS to 20 Outskirt habitations of Pudukkottai Union Tapping from Pudukkottai CWSS near Ellaipatti in Pudukkottai 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>AMOUNT IN RUPEES.</b>
1	A1	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures	47,29,094.89
2	A2	Attending LEAKS and BURST of the Pipe lines	12,12,109.00
3	A3	Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item	13,62,934.00
4	A4	Cleaning of all storage points like sumps of various capacities	75,761.58
		TOTAL	<b>73,79,899.47</b>

Rupees Seventy three lakhs seventy nine thousand eight hundred ninety nine and paise forty seven 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 )

**Operation and Maintenance of CWSS to Pudukkottai Municipality, 3 Town Panchayats and 15 way side habitations in Pudukkottai, Karur, and Trichy District and CWSS to 20 Outskirt habitations of Pudukkottai Union Tapping from Pudukkottai CWSS near Ellaipatti in Pudukkottai 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 protecton of all schemee 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 AA (Bid document), 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 disinfectionof water, cleaning of all water retaining structure, electricity.	787.66 MLD		1 MLD (One MLD)	6003.980	Rupees six thousands three and paise ninety eight only	4729094.887
	<b>TOTAL -A1</b>						<b>4729094.887</b>

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

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
I	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 specificaion has to be mentioned under the clause 1.7 of GCC - Part- I)		specified in clause 1.7 of GCC - Part- I)				
a	63mm 4 ksc PVC Pipes	2.00 Nos.		1 No. (One Number)	1390.00	Rupees one thousand three hundreds ninety only	2,780.00
b	90mm 4 ksc PVC Pipes	1.00 Nos.		1 No. (One Number)	1785.00	Rupees one thousand seven hundreds eighty five only	1,785.00
c	110mm 4 ksc PVC Pipes	1.00 Nos.		1 No. (One Number)	2477.00	Rupees two thousands four hundreds seventy seven only	2,477.00
d	140mm 4 ksc PVC Pipes	1.00 Nos.		1 No. (One Number)	2772.00	Rupees two thousands seven hundreds seventy two only	2,772.00
e	160mm 4 ksc PVC Pipes	1.00 Nos.		1 No. (One Number)	4121.00	Rupees four thousands one hundred twenty one only	4,121.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
f	200mm 4 ksc PVC Pipes	1.00 Nos.		1 No. (One Number)	5629.00	Rupees five thousands six hundreds twenty nine only	5,629.00
g	400mm PSC pipe using cement joint	1.00 Nos.		1 No. (One Number)	8332.85	Rupees eight thousands three hundreds thirty two and paise eighty five only	8,332.85
h	600mm PSC pipe using cement joint	1.00 Nos.		1 No. (One Number)	13051.80	Rupees thirteen thousands fifty one and paise eighty only	13,051.80
i	700mm PSC pipe using cement joint	1.00 Nos.		1 No. (One Number)	14350.10	Rupees fourteen thousands three hundreds fifty and paise ten only	14,350.10
j	Supply delivery and fixing of 400mm PSC pipe Plain collar	2.00 Nos.		1 No. (One Number)	2933.00	Rupees two thousands nine hundreds thirty three only	5,866.00
k	Supply delivery and fixing of 600mm PSC pipe Plain collar	2.00 Nos.		1 No. (One Number)	3667.00	Rupees three thousands six hundreds sixty seven only	7,334.00
l	Supply delivery and fixing of 700mm PSC pipe Plain collar	2.00 Nos.		1 No. (One Number)	3880.00	Rupees three thousands eight hundreds eighty only	7,760.00
m	Supply delivery and fixing of 400mm PSC pipe Step collar	2.00 Nos.		1 No. (One Number)	3675.00	Rupees three thousands six hundreds seventy five only	7,350.00
n	Supply delivery and fixing of 600mm PSC pipe Step collar	3.00 Nos.		1 No. (One Number)	4415.00	Rupees four thousands four hundreds fifteen only	13,245.00
o	Supply delivery and fixing of 700mm PSC pipe Step collar	2.00 Nos.		1 No. (One Number)	4946.00	Rupees four thousands nine hundreds forty six only	9,892.00
p	400 mm MS pipe by welding	2.00 Nos.		1 No. (One Number)	9994.00	Rupees nine thousands nine hundreds ninety four only	19,988.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
q	600 mm MS pipe by welding	2.00 Nos.		1 No. (One Number)	9994.00	Rupees nine thousands nine hundreds ninety four only	19,988.00
r	700 mm MS pipe by welding	3.00 Nos.		1 No. (One Number)	9994.00	Rupees nine thousands nine hundreds ninety four only	29,982.00
s	Earthwork excavation for attending MS welding portion	3.00 Nos.		1 No. (One Number)	365.50	Rupees three hundreds sixty five and paise fifty only	1,096.50
t	Refilling for excavated earth in MS welding portion	3.00 Nos.		1 No. (One Number)	25.50	Rupees twenty five and paise fifty only	76.50
u	Dewatering of MS welding	3.00 Nos.		1 No. (One Number)	238.05	Rupees two hundreds thirty eight and paise five only	714.15
II	Attending Leaks occurred in all the size, class and material of pipes in all the pipelines of this CWSS for the following items with replacing the pipes round the clock as per the standard specifications including earthwork excavation ,removal of slushy soil , labour charges, civil works, cost of materials, dewatering , genset, welding unit,and providing night lamps, barrigading arrangements, caution sign boards ,traffic diversion arrangements and all other incidental charges, etc complete within the stipulated time limit as specified in Clause 2.8 of General conditions of Contract Part II.and as directed by TWAD Board officers						-
a	200mm AC pipe replaced with 200mm PVC 6 Ksc for a length of 3.00m	1.00 Nos.		1 No. (One Number)	19109.00	Rupees nineteen thousands one hundred nine only	19,109.00
b	Replacement of 700 MM DIA PSC PIPE with 700 mm DIA MS PIPE for a length of 5.00m	2.00 Nos.		1 No. (One Number)	214720.00	Rupees two lakhs fourteen thousands seven hundreds twenty only	4,29,440.00
c	Replacement of 600 MM DIA PSC PIPE with 600 mm DIA MS PIPE for a length of 5.00m	2.00 Nos.		1 No. (One Number)	179364.00	Rupees one lakh seventy nine thousands three hundreds sixty four only	3,58,728.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
d	Replacement of 400 MM DIA PSC PIPE with 400 mm DIA MS PIPE for a length of 5.00m	1.00 Nos.		1 No. (One Number)	154080.00	Rupees one lakh fifty four thousands eighty only	1,54,080.00
iii	PCC 1:2:4 Concreting using 20mm metal for Road Restoration Works.	1.00 Nos.		1 No. (One Number)	5653.22	Rupees five thousands six hundreds fifty three and paise twenty two only	5,653.22
iv	Providing road restoration after attending leak work in the NH and Heavy traffic area with/wet mix macadam/PCC 1:4:8/PCC 1:2:4 where ever necessary as per standard specification for filling and as directed by Dept Officers.						-
a	PCC 1:4:8 Using 20mm HBG metal 20mm thick (6x3x0.2=3.60 m3)	1.00 Nos.		1 No. (One Number)	20351.59	Rupees twenty thousands three hundreds fifty one and paise fifty nine only	20,351.59
b	PCC 1:4:8 Using 20mm HBG metal 40mm thick (6x3x0.3=5.40 m3)	1.00 Nos.		1 No. (One Number)	23372.49	Rupees twenty three thousands three hundreds seventy two and paise forty nine only	23,372.49
c	Providing wet mix Macadam (6x3x0.6=10.80 m3)	1.00 Nos.		1 No. (One Number)	21718.80	Rupees twenty one thousands seven hundreds eighteen and paise eighty only	21,718.80
	Replacement of 80 mm GI pipe damaged connecting main TWAD SR 2021-22/P 39	1.00 M		1 M (One Metre)	653.00	Rupees six hundreds fifty three only	653.00
	Replacement of 50 mm GI pipe damaged connecting main TWAD SR 2021-22/P 39	1.00 M		1 M (One Metre)	412.00	Rupees four hundreds twelve only	412.00
<b>TOTAL -A2</b>							<b>12,12,109.00</b>

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**Carrying out the repair works of the Electrical, Mechanical and Electro-mechanical item**

S. No	Description of work	Quantity	Specification s	Unit	Rate		Amount
					in figures	in words.	
1	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 (The specifications for attending to repair / reconditing works of pumpsets, panel boards, Valves, etc has to be detailed based on the data prepared and rate approval obtained for each items. The specifictaion 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						-

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
a	Repairing and reconditioning of Pump for 310 HP Vertical Turbine Pumpset including all material,labour,etc at Head works Jeeyapuram	1.00 Nos.		1 No. (One Number)	2,66,000.00	Rupees two lakhs sixty six thousands only	2,66,000.00
b	Repairing and reconditioning of Pump for 294 HP HSC Pumpset including all material,labour,etc at Neithalur BS	1.00 Nos.		1 No. (One Number)	2,76,500.00	Rupees two lakhs seventy six thousands five hundreds only	2,76,500.00
c	Repairing and reconditioning of Pump for 240 HP HSC Pumpset including all material,labour,etc at Vittamapatty BS	1.00 Nos.		1 No. (One Number)	2,28,600.00	Rupees two lakhs twenty eight thousands six hundreds only	2,28,600.00
d	Repairing and reconditioning of Pump for 150 HP HSC Pumpset including all material,labour,etc at Head works Kurinjipatty BS	1.00 Nos.		1 No. (One Number)	1,81,800.00	Rupees one lakh eighty one thousands eight hundreds only	1,81,800.00
e	Repairing and reconditioning of Pump for 15 HP Submersible Pumpset including all material,labour,etc at Keeranur	1.00 Nos.		1 No. (One Number)	35,600.00	Rupees thirty five thousands six hundreds only	35,600.00
f	Repairing and reconditioning of Pump for 10HP Submersible Pumpset-Sump at Annavasal-1 No	1.00 Nos.		1 No. (One Number)	28,400.00	Rupees twenty eight thousands four hundreds only	28,400.00
g	Repairing and reconditioning of Pump for 12.50HP Submersible Pumpset-Sump at Spicot-1 No	1.00 No.		1 No. (One Number)	30,700.00	Rupees thirty thousands seven hundreds only	30,700.00
	Repairing and reconditioning of Pump for 7.50 HP Submersible Pumpset-Sump at Viralimalai-1 No	1.00 No.		1 No. (One Number)	25,500.00	Rupees twenty five thousands five hundreds only	25,500.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
	Repairing and reconditioning of Pump for 12.50HP Submersible Pumpset-Sump at Ellaipatti-1 No	1.00 No.		1 No. (One Number)	30,700.00	Rupees thirty thousands seven hundreds only	30,700.00
h	Repairing and reconditioning of Pump for 6HP Submersible Pumpset-Sump at Annammalpuram i-1 No	1.00 No.		1 No. (One Number)	21,200.00	Rupees twenty one thousands two hundreds only	21,200.00
i	Repairing and reconditioning of Pump for 4HP Submersible Pumpset-Sump at Annammalpuram i-1 No	1.00 No.		1 No. (One Number)	21,200.00	Rupees twenty one thousands two hundreds only	21,200.00
j	Repairing and reconditioning of Pump for 2HP Submersible Pumpset-Sump at Ellaipatti-1 No	1.00 No.		1 No. (One Number)	14,100.00	Rupees fourteen thousands one hundred only	14,100.00
III	<b>Replacement of Starter</b>						-
	Replacement of Starter 15 HP	1.00 No.		1 No. (One Number)	11,800.00	Rupees eleven thousands eight hundreds only	11,800.00
	Replacement of Starter 12.5 HP	1.00 No.		1 No. (One Number)	10,900.00	Rupees ten thousands nine hundreds only	10,900.00
	Replacement of Starter 10 HP	1.00 No.		1 No. (One Number)	10,700.00	Rupees ten thousands seven hundreds only	10,700.00
	Replacement of Starter 6 HP	1.00 No.		1 No. (One Number)	8,500.00	Rupees eight thousands five hundreds only	8,500.00
	Replacement of Starter 4 HP	1.00 No.		1 No. (One Number)	3,500.00	Rupees three thousands five hundreds only	3,500.00
k	<b>Attending cable fault with replacing 50m of cable</b>						

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
a	PVC Insulated 3 core flat type copper cable-4 sq.mm TWAD SOR 2021-22/P.123	1.00 M		1 M (One Metre)	186.00	Rupees one hundred eighty six only	186.00
b	Supply and delivery of the following Electrical works:consumable items at the site of work carry out the general maintenance works						
<b>III</b>	<b>Volt meter SR 96 600 V-AC TWAD SOR 2021-22/P.140</b>	1.00 No.		1 No. (One Number)	905.00	Rupees nine hundreds five only	905.00
a	Ammeter SR 96 5D/5A C.T.operated-AC TWAD SOR 2021-22/P.140	1.00 No.		1 No. (One Number)	791.00	Rupees seven hundreds ninety one only	791.00

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
b	LED Outdoor fittings a)30 W LED street light fittings TWAD SOR 2021-22/P.181	1.00 No.		1 No. (One Number)	2,502.00	Rupees two thousands five hundreds two only	2,502.00
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 TWAD SR 2021-22/P.190	10.00 KVAR		1KVAR(One KVAR)	315.00	Rupees three hundreds fifteen only	3,150.00
	Supply and delivery of Transformer oil at Kurinjipatti and kulathur booster station	20.00 Lts		1Lts(One liters)	200.00	Rupees two hundreds only	4,000.00
	Rectification of repair in FCMA starter panel at Headworks at Jeeyapuram, Neithalur Booster stations and Kulathur Booster stations including supply, delivery and fixing of the following materials etc.						-
	310HP SS Reactor	1.00 No.		1 No. (One Number)	52,700.00	Rupees seven hundreds ninety one only	52,700.00
	300HP SS Reactor	1.00 No.		1 No. (One Number)	52,700.00	Rupees seven hundreds ninety one only	52,700.00
	240HP SS Reactor	1.00 No.		1 No. (One Number)	40,300.00	Rupees seven hundreds ninety one only	40,300.00
	<b>TOTAL -A3</b>						13,62,934.00

**Operation and Maintenance of CWSS to Pudukkottai Municipality, 3 Town Panchayats and 15 way side habitations in Pudukkottai, Karur, and Trichy District and CWSS to 20 Outskirt habitations of Pudukkottai Union Tapping from Pudukkottai CWSS near Ellaipatti in Pudukkottai 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 two 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	5.00 LL capacity of sump @ Neithalur Booster station	1.00 Nos.		1 No. (One Number)	13173.42	Rupees thirteen thousands one hundred seventy three and paise forty two only	13,173.42
b	5.00 LL capacity of sump @ Kulathur Booster station	1.00 Nos.		1 No. (One Number)	13173.42	Rupees thirteen thousands one hundred seventy three and paise forty two only	13,173.42
c	5.00 LL capacity of sump @ Kurunchipatti Booster station	1.00 Nos.		1 No. (One Number)	13173.42	Rupees thirteen thousands one hundred seventy three and paise forty two only	13,173.42
d	9.00 LL Capacity of sump @ Rapoosal Ridge	1.00 Nos.		1 No. (One Number)	15672.86	Rupees fifteen thousands six hundreds seventy two and paise eighty six only	15,672.86
e	0.60 LL Capacity of sump @ Viralimalai Group Sump	1.00 Nos.		1 No. (One Number)	5965.04	Rupees five thousands nine hundreds sixty five and paise four only	5,965.04

S. No	Description of work	Quantity	Specifications	Unit	Rate		Amount
					in figures	in words.	
f	3.00 LL Capacity of sump @ Ellaipatti Sump	1.00 Nos.		1 No. (One Number)	10592.38	Rupees ten thousands five hundreds ninety two and paise thirty eight only	10,592.38
g	0.30 LL Capacity of sump @ Annammalpuram sump	1.00 Nos.		1 No. (One Number)	4011.04	Rupees four thousands eleven and paise four only	4,011.04
	<b>TOTAL -4</b>						<b>75,761.58</b>