

SCHEDULE - A

NAME OF WORK : Out sourcing for Operation and Maintenance of the CWSS to 127 Habitations in Kulithalai and Thogamali Union in Karur District for the period 01.07.2022 to 31.03.2023 (9 Months)

S. No.	Description of Work	Unit	Quantity		Rate in figures.	Rate in words.	Amount (in Rs.)
1	Operation and Maintenance of the Electro Mechanical installations, equipments, components, pipelines valves and appurtenances, water retaining structures including protecton 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 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 .	1 MLD	1005.58	MLD	4634.70	Rupees Four Thousand Six Hundred thirty four Paise seventy Only	4660561.63
2	Attending Leaks in the pipelines of the 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 2.2.5 of General conditions of Contract - Part II.						
1	63mm OD PVC 4 KSC pipes	Nos	1	Nos	1114.00	Rupees One Thousand One Hundred Fourteen Only	1114.00
2	90mm OD PVC 4 KSC pipes	Nos	1	Nos	1166.00	Rupees One Thousand One Hundred SixtySix Only	1166.00
3	110mm OD PVC 4 KSC pipes	Nos	1	Nos	1579.00	Rupees One Thousand Five Hundred SeventyNine Only	1579.00
4	140mm OD PVC 4 KSC pipes	Nos	1	Nos	1772.00	Rupees One Thousand Seven Hundred SeventyTwo Only	1772.00
5	140mm OD PVC 6 KSC pipes	Nos	1	Nos	1990.00	Rupees One Thousand Nine Hundred Ninety Only	1990.00
6	150 MM AC CL 15	Nos	1	Nos	2665.00	Rupees Two Thousand Six Hundred SixtyFive Only	2665.00

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S. No.	Description of Work	Unit	Quantity		Rate in figures.	Rate in words.	Amount (in Rs.)
7	200 MM AC CL 15	Nos	1	Nos	5247.00	Rupees Five Thousand Two Hundred FourtySeven Only	5247.00
8	350 MM PSC 6 KSC-Joint Leak by with Lead and hemp yarn	Nos	1	Nos	6360.00	Rupees Six Thousand Three Hundred Sixty Only	6360.00
9	350 MM PSC 8 KSC-Joint Leak by with Lead and hemp yarn	Nos	1	Nos	6360.00	Rupees Six Thousand Three Hundred Sixty Only	6360.00
10	350 MM PSC 6 KSC- burst Leak by using MS Plain Collar	Nos	1	Nos	24350.00	Rupees TwentyFour Thousand Three Hundred Fifty Only	24350.00
11	350 MM PSC 8 KSC- burst Leak by using MS Plain Collar	Nos	1	Nos	24350.00	Rupees TwentyFour Thousand Three Hundred Fifty Only	24350.00
12	350 MM PSC 4 KSC- burst Leak by using MS Step Collar	Nos	1	Nos	30510.00	Rupees Thirty Thousand Five Hundred Ten Only	30510.00
13	350 MM PSC 6 KSC- burst Leak by using MS Step Collar	Nos	1	Nos	30510.00	Rupees Thirty Thousand Five Hundred Ten Only	30510.00
14	350 MM PSC 8 KSC- burst Leak by using MS Step Collar	Nos	1	Nos	30510.00	Rupees Thirty Thousand Five Hundred Ten Only	30510.00
15	80mm GI pipes	Nos	1	Nos	710.00	Rupees Seven Hundred Ten Only	710.00
16	50mm GI pipes	Nos	1	Nos	453.00	Rupees Four Hundred FiftyThree Only	453.00
3	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 3 HP Monoblock pumpset at Inungur Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	7825.00	Rupees Seven Thousand Eight Hundred TwentyFive Only	7825.00
2	Rewinding of burnout coil of stator in the motor of 2.00 HP Monoblock pumpset at Inungur Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	6850.00	Rupees Six Thousand Eight Hundred Fifty Only	6850.00
3	Rewinding of burnout coil of stator in the motor of 25.00 HP HSC pumpset at Keelapatti Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	30300.00	Rupees Thirty Thousand Three Hundred Only	30300.00
4	Rewinding of burnout coil of stator in the motor of 5 HP Monoblock pumpset at Keelapatti Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	9775.00	Rupees Nine Thousand Seven Hundred SeventyFive Only	9775.00

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S. No.	Description of Work	Unit	Quantity		Rate in figures.	Rate in words.	Amount (in Rs.)
5	Rewinding of burnout coil of stator in the motor of 7.5 HP Monoblock pumpset at Melapatti Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	12213.00	Rupees Twelve Thousand Two Hundred Thirteen Only	12213.00
6	Rewinding of burnout coil of stator in the motor of 7.5 HP Monoblock pumpset at Puthur Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	12213.00	Rupees Twelve Thousand Two Hundred Thirteen Only	12213.00
7	Reparing and reconditioning of 5 HP Monoblock pumpset at Keelapatti Booster including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	9775.00	Rupees Nine Thousand Seven Hundred SeventyFive Only	9775.00
8	Reparing and reconditioning of 5 HP Monobloc pumpset at Melapatti Booster r including cost of all material, labour, removing, conveyance and re-erection etc., complete.	Job	1.00	Job	9775.00	Rupees Nine Thousand Seven Hundred SeventyFive Only	9775.00
4	Head works at Kavalkaranpalayam						
1	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 110 Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	17041.00	Rupees Seventeen Thousand FourtyOne Only	17041.00
2	Charges for removing the burnt power capacitor and labour charges for fixing the new 3 KVAR capacitor suitable length copper cable wiring this panel board testing etc. complete after adjusted the old scrap materials.	No.	1.00	No.	1383.00	Rupees One Thousand Three Hundred EightyThree Only	1383.00
3	Supply and delivery 25 Sqmm Alu.Arm 3 Core UG cable Conforming to IS 694/1990 and as amended thereafter	m	1.00	m	148.00	Rupees One Hundred FourtyEight Only	148.00
4	Supply and delivery 50 Sqmm Alu.Arm 3 Core UG cable Conforming to IS 694/1990 and as amended thereafter	m	1.00	m	243.00	Rupees Two Hundred FourtyThree Only	243.00
5	Poyyamani Booster station						
	Charges for removing the burnt power capacitor and labour charges for fixing the new 2 KVAR capacitor suitable length copper cable wiring this panel board testing etc. complete after adjusted the old scrap materials.	No.	1.00	No.	1383.00	Rupees One Thousand Three Hundred EightyThree Only	1383.00
	Attending repair works in 65 mm Sluice Valve pumpset including cost of all materials, labour charges etc. complete after adjusted the old scrap materials.	Nos	1.00	Nos	2000.00	Rupees Two Thousand Only	2000.00
	Supply and delivery 16 Sqmm Alu.Arm 3 Core UG cable Conforming to IS 694/1990 and as amended thereafter	m	1.00	m	119.00	Rupees One Hundred Nineteen Only	119.00

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S. No.	Description of Work	Unit	Quantity		Rate in figures.	Rate in words.	Amount (in Rs.)
6	Inungur Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
7	Keelapatti Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 50Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	6581.00	Rupees Six Thousand Five Hundred EightyOne Only	6581.00
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
	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.30A -50A	Nos	1.00	Nos	2963.00	Rupees Two Thousand Nine Hundred SixtyThree Only	2963.00
8	Panickampatti Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
9	Rathinathampatti Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
10	Kallai Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
11	Suckampatti Booster station						
	Supply and delivery of electro magnetic contactors of suitable capacity in AC three phase 18Amps rating conforming to IS / IEC 60947	Nos	1.00	Nos	1656.00	Rupees One Thousand Six Hundred FiftySix Only	1656.00
12	Melapatti Booster station						
	Supply and delivery of 40Amps, 3 pole, Moulded case circuit breaker (MCCB)..	No	1.00	No	10329.00	Rupees Ten Thousand Three Hundred TwentyNine Only	10329.00
13	Puthur Booster station						

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I/We hereby agree to execute all the above components of work at _____ %. (_____).Percentage excess over/Less than the departmental value mentioned above.(The percentage should be mentioned both words and figures)

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ANNEXURE I

SI No.	Name of Corporation / Municipality / Town Panchayat/ Union	Name of	Name of Habitation	Earmarked/ Allotted Qty. as per Scope in KL/day
		Pan cha Name of yat		
A	Initial Reach Beneficiaries			
1	Kulithalai Union	Poyyamani	Poyyamani	122.19
2	Kulithalai Union	Poyyamani	Thiruchappur	103.19
3	Kulithalai Union	Poyyamani	Nadaipalam	27.46
4	Kulithalai Union	Poyyamani	Ganapathipalayam	9.24
5	Kulithalai Union	Inungur	Casacolony	28.80
6	Kulithalai Union	Inungur	Inungur	134.73
7	Kulithalai Union	Inungur	Melasukkampatti	59.95
8	Kulithalai Union	Inungur	Melasukkampatti Colony	28.40
9	Kulithalai Union	Inungur	Kakampatti	30.36
10	Kulithalai Union	Inungur	Nandavanapallam	17.65
11	Kulithalai Union	Nallur	Kalingapatti	21.51
12	Kulithalai Union	Nallur	Keelapatti	21.85
13	Kulithalai Union	Nallur	Nadupatti	12.38
14	Kulithalai Union	Nallur	Nallur	58.26
15	Kulithalai Union	Hiranayamangalam	Panikampattisandhai	29.86
16	Kulithalai Union	Hiranayamangalam	Melapatti	58.26
17	Kulithalai Union	Hiranayamangalam	Valayapatti	125.66
18	Kulithalai Union	Thimmampatti	Rathinathampatti	28.69
19	Kulithalai Union	Thimmampatti	Vairaperumalpatti	71.77
20	Kulithalai Union	Thimmampatti	Thimmampatti	12.89
21	Thogamalai Union	Kallai	Kallai	29.70
22	Thogamalai Union	Kallai	Kokkagoundampatti	13.34
23	Thogamalai Union	Kallai	Sukkampatti	34.62
24	Thogamalai Union	Kalladai	Keelaveliyur	93.51
25	Thogamalai Union	Kalladai	Periyakalathupatti	16.75
26	Thogamalai Union	Kalladai	Kalladaipudur	26.22
27	Thogamalai Union	Kalladai	Nellurpatti	14.57
28	Thogamalai Union	Kalladai	Melaveliyur	29.13
29	Thogamalai Union	Kalladai	Kalladai	115.13
30	Thogamalai Union	Kalladai	Kakkithoppanaickanpatti	7.29
31	Thogamalai Union	Pillur	Kambilinaickanpatti	20.79
32	Thogamalai Union	Pillur	Oornaickanpatti	12.05
33	Thogamalai Union	Pillur	Muthanampatti	10.93

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34	Thogamalai Union	Pillur	Chinnapillaiyur	28.07
35	Thogamalai union	Thalangi	Melapatti	29.13
36	Thogamalai union	Thalangi	T.Melapatti	28.07
37	Thogamalai union	Thalangi	Bharadhi Nagar	13.83
38	Thogamalai union	Seplapatti	Vellamadaai	25.49
39	Thogamalai	Seplapatti	seplapatti	80.62
40	Thogamalai	seplapatti	Thirkkumedu	28.46
41	Thogamalai Union	Mudalaipatti	Veeramaligoundanpatti	7.72
42	Thogamalai Union	Mudalaipatti	Thirumudithottam	9.30
43	Thogamalai Union	Puthur	Puthur VRO Colony	30.31
44	Thogamalai union	Puthur	Vellapparajpatti	15.58
45	Thogamalai Union	Puthur	A.Nadupatti	27.11
46	Thogamalai Union	RT Malai	Keelapudupatti	15.85
47	Thogamalai Union	RT Malai	Melapudupatti	28.40
48	Thogamalai Union	RT Malai	Alagapuri	26.67
49	Thogamalai Union	RT Malai	Keelapatti	16.02
50	Thogamalai Union	RT Malai	RT Malai	80.67
51	Thogamalai Union	Archampatti	Archampatti	76.41
52	Thogamalai Union	Archampatti	Vengaikurichy	10.93
	Intermeditate Reach Beneficiaries			0.00
1	Kulithalai Union	Poyyamani	Karaikalam	23.31
2	Kulithalai Union	Inungur	Vallakulamettupatti	29.86
3	Kulithalai Union	Inungur	Pudupatti Indra Colony	21.51
4	Kulithalai Union	Nallur	Rajalingagoundanur	11.83
5	Kulithalai Union	Inugur	Onthampatti	21.85
6	Kulithalai Union	Hiranhsayamangalam	Mettupatti	12.66
7	Kulithalai Union	Hiranayamangalam	Seethakattupatti	23.36
8	Kulithalai Union	Hiranayamangalam	Semmettupatti	13.56
9	Kulithalai Union	Thimmampatti	Vairaperumalpatti AD Colony	21.85
10	Kulithalai Union	Thimmampatti	Mudaligoundanur	27.68
11	Kulithalai Union	Thimmampatti	Sivayam	13.28
12	Kulithalai Union	Thimmampatti	Komaliparai	11.15
13	Kulithalai Union	Thimmampatti	Rathinampillaipudur	30.59
14	Thogamalai Union	Kallai	Chinnagoundampatti	14.57
15	Thogamalai Union	Kallai	Kalarpatti	9.86
16	Thogamalai Union	Kallai	Mangampatti	10.93
17	Thogamalai Union	Kallai	Ponnampatti	8.52
18	Thogamalai Union	Kalladai	Manjampatti	25.16
19	Thogamalai Union	Puthur	Maniyampatti	13.78

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20	Thogamalai Union	Kalladai	Karayampatti	26.22
21	Thogamalai Union	Kalladai	Edayapatti	18.94
22	Thogamalai Union	Pillur	Aanaigoundanpatti	11.94
23	Thogamalai Union	Pillur	Kalathupatti	13.50
24	Thogamalai Union	Pillur	Pillur Colony	7.84
25	Thogamalai Union	Pillur	Pillur	37.87
26	Thogamalai Union	Pillur	Thathampatti	8.41
27	Thogamalai Union	Thalangi	Purasampatti - H	16.02
28	Thogamalai Union	Puthur	Aanaigoundanpatti	14.34
29	Thogamalai Union	Muthalaipatti	Pattayarkalam	10.93
30	Thogamalai Union	Muthalaipatti	Keelamedu	9.13
31	Thogamalai Union	Muthalaipatti	Kazhuthankalam	10.93
32	Thogamalai Union	Muthalaipatti	Kaval Nagar	23.97
33	Thogamalai Union	Muthalaipatti	Bharathi Nagar	28.40
34	Thogamalai Union	Muthalaipatti	Mudalaipatti	97.37
35	Thogamalai Union	Muthalaipatti	Paalayathan Thottam	16.02
36	Thogamalai Union	Puthur	Thoppupatti	19.38
37	Thogamalai Union	Puthur	Uppukachipatti	19.49
38	Thogamalai Union	Pulutheri	Pulutheri	22.97
39	Thogamalai Union	RT Malai	Valiyampatti	20.96
40	Thogamalai Union	RT Malai	Pungavaripatti	11.83
41	Thogamalai Union	Archampatti	Vadakkipatti	25.49
	Tail End Habs			
1	Kulithalai Union	Poyyamani	Koraipatti	10.36
2	Kulithalai Union	Poyyamani	Bungalaw pudur	38.99
3	Kulithalai Union	Poyyamani	Kottaiyar Thottam	28.07
4	Kulithalai Union	Inungur	Keelasukkampatti	29.64
5	Kulithalai Union	Inungur	Kuppureddipatti	30.03
6	Kulithalai Union	Inungur	Pudupatti	67.45
7	Kulithalai Union	Nallur	Konachipatti	13.28
8	Kulithalai Union	Nallur	Aarthampatti	21.85
9	Thogamalai Union	Kallai	Maniyagoundampatti	25.66
10	Kulithalai Union	Hiranayamangalam	Erumanayakkanpatti	53.17
11	Kulithalai Union	Nallur	Thirumalairedipatti	32.05
12	Kulithalai Union	Thimmampatti	Aanaigoundanpatti	11.88
13	Kulithalai Union	Sathiyamangalam	Sathiyamangalam	69.64
14	Thogamalai Union	Kallai	Mandhiyandipatti	10.93
15	Thogamalai Union	Puthur	Karayampatti	14.01
16	Thogamalai Union	Kallai	Kulandhaipatti	15.30

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17	Thogamalai Union	Kalladai	Alangaripatti	42.63
18	Thogamalai Union	Puthur	Vengadathanpatti	45.10
19	Thogamalai Union	Kalladai	Kamaraj Nagar	15.30
20	Thogamalai Union	Kalladai	Alanganampatti	41.63
21	Thogamalai Union	Puthur	Sevakattupatti	8.74
22	Thogamalai Union	Thalangi	Purasampatti	11.65
23	Thogamalai Union	Puthur	Mummachireddipatti	15.69
24	Thogamalai Union	Puthur	Chinnaputhur	31.15
25	Thogamalai Union	Thalangi	Thalangi	25.16
26	Thogamalai Union	Muthalaipatti	Vellakkalmedu	11.65
27	Thogamalai Union	Archampatti	Singapur	12.16
28	Thogamalai Union	Archampatti	Kamagoundampatti	11.71
29	Thogamalai Union	RT Malai	Valiyampatti -H- Colony	18.21
30	Thogamalai Union	RT Malai	Navanaickanpatti	25.79
31	Thogamalai Union	RT Malai	Sangagoundanpatti	11.83
32	Thogamalai Union	RT Malai	Kayalkaranmedu	11.53
33	Thogamalai Union	Pulutheri	Iyyagoundanpatti	15.56
34	Thogamalai Union	Pulutheri	Seethapatti	19.38
Total supply				3670.16

Name of work :

**OPERATION AND MAINTENANCE ESTIMATE FOR CWSS TO 127 HABITATIONS IN KULITHALAI
AND THOGAMALAI UNIONS OF KARUR DISTRICT FOR THE YEAR 2022-2023**

LABOUR DATA

Sl No.	Description	Nos.	Month	Rate in Rs	Per	Amount
I	Operation and maintenance of pumping station by providing required manpower as to the level acceptable to the Board and to satisfy the IE rules whenever applicable and to perform the mandatory duties specified in the schedule operation and patrolling the sump, pumping mains, Air valves, scour valves, sluice valves in the pipe line and all mechaneries including watech and ward at night under the control of following places the required maintenance staff, electrician, maintenance Asst. etc should be engaged at appropriate place as directed by the TWAD Board officer.					
	In Village Panchayat Limit					
	Pipeline Fitter Semi Skilled Grade-I	1		14401.25		14401.25
		0		13401.25		0.00
	Maintenance Assistan semi skilled Gr.II	34		11401.25		387642.50
	Turn Cock -Unskilled	1		11401.25		11401.25
	Sub Total - I	36				413445.00
	Service charges for labour at 10% of cost					41344.50
3	ESI @ 3.25% as per Labour act of Sub Total -I					13436.96
4	EPF @ 12.00% as per Labour act of Sub Total -I					49613.40
	Sub Total - II per Month					517839.86
	Sub Total - III per 9 months					4660561.63
	Total					
	Rate for 1 MLD (274 daysx3.67)=1005.58					4634.70

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Superintending Engineer