

**SCHEDULE - A (Abstract)**

NAME OF WORK : Operation and Maintenance of the following CWSS

1.CWSS to Nadupatty and 47 other habitations in Harur Union of Dharmapuri District

2.CWSS toThumbalahalli and 50 other habitations in Karimangalam Union of Dharmapuri District

3.CWSS to Kurumberkottai and 46 other habitations in Karimangalam Union of Dharmapuri District FOR A PERIOD OF 8 months 15 days from 15.07.2022 to 31.03.2023.

S. No.	Schedule No	Description of CWSS	Amount (in Rs.)
1	A1	CWSS to Nadupatty and 47 other habitations in Harur Union of Dharmapuri District	1520790.78
2	A2	CWSS toThumbalahalli and 50 other habitations in Karimangalam Union of Dharmapuri District	428929.56
3	A3	CWSS to Kurumberkottai and 46 other habitations in Karimangalam Union of Dharmapuri District	1473923.74
		Total	3423644.09

Rupees Thirty four lakh twenty three thousand six hundred and forty four and paise nine only

I / We \_\_\_\_\_ agree to execute all the items of works mentioned in schedule'A' at (+) \_\_\_\_\_ ( \_\_\_\_\_ ) excess over (OR) at (-) \_\_\_\_\_ ( \_\_\_\_\_ ) less than, the dept.value mentioned above.

NOTE: The excess / less % should be furnished both in figures and words.

SCHEDULE - A1

NAME OF WORK : Operation and Maintenance of the following CWSS to Nadupatty and 47 other habitations in Harur Union of Dharmapuri District for period of 8 months 15 days from 15.07.2022 to 31.03.2023.

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
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 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 .	242.84	MLD	5645.85	1371038.21
2	Attending Leaks in the pipelines of 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. (The <u>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)</u> )				
i)	63mm OD PVC 4 KSC pipe	2.00	Nos	1039.32	2078.64
ii)	75mm OD PVC 4 KSC pipe	1.00	No	1039.08	1039.08
iii)	90mm OD PVC 4 KSC pipe	3.00	Nos	1038.72	3116.16
iv)	110mm OD PVC 4 KSC pipe	2.00	Nos	1038.12	2076.24

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
v)	140mm OD PVC 4 KSC pipe	2.00	Nos	2073.72	4147.44
vi)	150 mm AC pipe	2.00	Nos	2677.23	5354.46
vii)	200 mm AC pipe	1.00	No	2943.54	2943.54
viii)	250 mm AC pipe	1.00	No	3177.95	3177.95
3	Supply and delivery of the following PVC/AC/DI pipes conforming to IS and as amended from time to time with ISI marking suitable for water supply main. The contractor should supply the pipes to site whenever necessary. The cost includes labour charges for loading, transit, insurance, Conveyance Charges, unloading, etc., complete and as directed by TWAD Board officers for attending leaks and bursts in the pipeline				
i)	63mm OD PVC 4 KSC pipe	8.00	M	95.00	760.00

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
ii)	75mm OD PVC 4 KSC pipe	4.00	M	132.00	528.00
iii)	90mm OD PVC 4 KSC pipe	12.00	M	186.00	2232.00
iv)	110mm OD PVC 4 KSC pipe	8.00	M	262.00	2096.00
v)	140mm OD PVC 4 KSC pipe	8.00	M	448.00	3584.00
vi)	150 mm AC pipe	16.00	M	715.00	11440.00
vii)	200 mm AC pipe	8.00	M	1184.00	9472.00
viii)	250 mm AC pipe	8.00	M	1500.00	12000.00
4	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 2.2.6 of General conditions of Contract Part II.				
i)	Rewinding of coil for upto 3 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	1.00	Job	3858.89	3858.89
ii)	Rewinding of coil for above 3 HP to upto 5 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	1.00	Job	6125.22	6125.22
iii)	Rewinding of coil for above 5 HP to upto 7.5 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	1.00	Job	8575.30	8575.30
iv)	Rewinding of coil for above 7.5 HP to upto 10 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	1.00	Job	11441.91	11441.91
v)	Rewinding of coil for above 15.00 HP to upto 35.00 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	1.00	Job	21266.74	21266.74

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
5	Cleaning of all storage points like sumps, elevated reservoirs 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.				
i)	0.10 to 0.20 LL capacity of sump	1.00	No	2236	2236
ii)	0.30 to 0.40 LL capacity of sump	3.00	Nos	2982	8946
6	Supply and delivery of the following Electrical Works :consumable items at the site of work to carryout the general maintenace works				
i)	Voltmeter SR 72 500V-AC	1.00	No	817.00	817.00
ii)	SR 72 5D/5A C.T.operated-AC (Ammeter)	1.00	No	739.00	739.00
7	Supply and delivery of the following consumable items for Pump Set repairs at the site of work to carryout the general maintenace works				
i)	150mm Sluice valve	1.00	Nos	9421.00	9421.00
ii)	150mm Non Return valve	1.00	Nos	7642.00	7642.00
iii)	Single Phasing Preventer	1.00	Nos	1152.00	1152.00
iv)	Over load Relay 10A to 20A	1.00	Nos	1486.00	1486.00
				Total	1520790.78

SCHEDULE - A2

NAME OF WORK : Operation and Maintenance of the following CWSS toThumbalahalli and 50 other habitations in Karimangalam Union of Dharmapuri District for period of 8 months 15 days from 15.07.2022 to 31.03.2023.

S. No.	Description of Work	Quantity	Unit	Rate in figures	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 .	20.8	MLD	17051.75	354676.40
2	Attending Leaks in the pipelines of <del>this</del> 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. <u>(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)</u>				
i)	63mm OD PVC 4 KSC pipe	3.00	Nos	1039.32	3117.96
ii)	75mm OD PVC 4 KSC pipe	2.00	Nos	1039.08	2078.16
iii)	90mm OD PVC 4 KSC pipe	1.00	Nos	1038.72	1038.72

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
3	Supply and delivery of the following PVC/AC/DI pipes conforming to IS and as amended from time to time with ISI marking suitable for water supply main. The contractor should supply the pipes to site whenever necessary. The cost includes labour charges for loading, transit, insurance, Conveyance Charges, unloading, etc., complete and as directed by TWAD Board officers for attending leaks and bursts in the pipeline				
i)	63mm OD PVC 4 KSC pipe	12.00	M	95.00	1140.00

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
ii)	75mm OD PVC 4 KSC pipe	8.00	M	132.00	1056.00
iii)	90mm OD PVC 4 KSC pipe	4.00	M	186.00	744.00
4	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 2.2.6 of General conditions of Contract Part II.				
i)	Rewinding of coil for upto 3 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	2.00	Job	3858.89	7717.78
ii)	Rewinding of coil for above 3 HP to upto 5 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	7.00	Job	6125.22	42876.54
5	Cleaning of all storage points like sumps, elevated reservoirs 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.				
i)	0.10 to 0.20 LL capacity of sump	1.00	No	2236.00	2236.00
ii)	0.30 to 0.40 LL capacity of sump	1.00	No	2982.00	2982.00
6	Supply and delivery of the following Electrical Works :consumable items at the site of work to carryout the general maintenace works				
i)	Voltmeter	1.00	Nos	905.00	905.00
ii)	Ammeter	1.00	Nos	791.00	791.00
7	Supply and delivery of the following consumable items for Pump Set repairs at the site of work to carryout the general maintenace works				
i)	Single Phasing Preventer	1.00	No	1152.00	1152.00
ii)	Over load Relay 10A to 20A	1.00	No	1486.00	1486.00
iii)	80mm GI Bend	2.00	Nos	395.00	790.00
iv)	80mm GI Flange	2.00	Nos	112.00	224.00
v)	80mm GI Pipe	6.00	m	653.00	3918.00
				Total	428929.56



**SCHEDULE - A3**

NAME OF WORK : Operation and Maintenance of the following CWSS to Kurumberkottai and 46 other habitations in Karimangalam Union of Dharmapuri District for period of 8 months 15 days from 15.07.2022 to 31.03.2023.

S. No.	Description of Work	Quantity	Unit	Rate in figures	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 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 ....., 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 .	297.18	MLD	4247.74	1262343.37
2	Attending Leaks in the pipelines of 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. <u>(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)</u>				
i)	63mm OD PVC 4 KSC pipe	2.00	Nos	1039.32	2078.64
ii)	75mm OD PVC 4 KSC pipe	1.00	No	1039.08	1039.08
iii)	90mm OD PVC 4 KSC pipe	3.00	Nos	1038.72	3116.16
iv)	110mm OD PVC 4 KSC pipe	2.00	Nos	1038.12	2076.24

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
v)	140mm OD PVC 4 KSC pipe	1.00	No	2073.72	2073.72
vi)	200mm OD PVC 6 KSC pipe	1.00	No	3126.16	3126.16
vii)	125mm AC pipe	2.00	Nos	2679.76	5359.52
viii)	150mm AC pipe	1.00	No	2677.23	2677.23
ix)	200mm AC pipe	1.00	No	2943.54	2943.54
3	Supply and delivery of the following PVC/AC/DI pipes conforming to IS and as amended from time to time with ISI marking suitable for water supply main. The contractor should supply the pipes to site whenever necessary. The cost includes labour charges for loading, transit, insurance, Conveyance Charges, unloading, etc., complete and as directed by TWAD Board officers for attending leaks and bursts in the pipeline				
i)	63mm OD PVC 4 KSC pipe	8.00	M	95.00	760.00
ii)	75mm OD PVC 4 KSC pipe	4.00	M	132.00	528.00
iii)	90mm OD PVC 4 KSC pipe	12.00	M	186.00	2232.00
iv)	110mm OD PVC 4 KSC pipe	8.00	M	262.00	2096.00
v)	140mm OD PVC 4 KSC pipe	4.00	M	448.00	1792.00

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
vi)	200mm OD PVC 6 KSC pipe	8.00	M	909.00	7272.00
vii)	125mm AC pipe	16.00	M	508.00	8128.00
viii)	150mm AC pipe	8.00	M	715.00	5720.00
ix)	200mm AC pipe	8.00	M	1184.00	9472.00
4	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 2.2.6 of General conditions of Contract Part II.				
i)	Rewinding of coil for upto 3 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	2.00	Job	3858.89	7717.78
ii)	Rewinding of coil for above 3 HP to upto 5 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	3.00	Job	6125.22	18375.66
iii)	Rewinding of coil for above 5 HP to upto 7.5 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	2.00	Job	8575.30	17150.60
iv)	Rewinding of coil for above 7.5 HP to upto 10 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	2.00	Job	11441.91	22883.82
v)	Rewinding of coil for above 15 HP to upto 35 HP Motor of Openwell type submersible Pumpsets includiing all material, labour, etc.	3.00	Job	21266.74	63800.22
5	Cleaning of all storage points like sumps, elevated reservoirs 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.				
i)	0.10 to 0.20 LL capacity of sump	1.00	No	2236.00	2236.00
ii)	0.30 to 0.40 LL capacity of sump	2.00	Nos	2982.00	5964.00

S. No.	Description of Work	Quantity	Unit	Rate in figures	Amount (in Rs.)
6	Supply and delivery of the following Electrical Works :consumable items at the site of work to carryout the general maintenace works				
i)	Voltmeter SR 96 600V-AC	2.00	Nos	905.00	1810.00
ii)	SR 96 5D/5A C.T.operated-AC (Ammeter)	2.00	Nos	791.00	1582.00
7	Supply and delivery of the following consumable items for Pump Set repairs at the site of work to carryout the general maintenace works				
i)	Single Phasing Preventer	1.00	No	1152.00	1152.00
ii)	Over load Relay 10A to 20A	1.00	No	1486.00	1486.00
iii)	80mm GI Bend	2.00	Nos	395.00	790.00
iv)	80mm GI Flange	2.00	Nos	112.00	224.00
v)	80mm GI Pipe	6.00	m	653.00	3918.00
				Total	1473923.74