

SCHEDULE - A

Name of Works : OPERATION AND MAINTENANCE OF THE CWSS TO COONOR MUNICIPALITY, WELLINGTON MILITARY & PASTEUR INSTITUTE OF INDIA , COONOR IN NILGIRI DISTRICT FOR A PERIOD OF 9 MONTHS FROM 01.7.2022 TO 31.03.2023

Sl. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)	
1	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, electricians, maintenance Asst. Etc should be engaged at appropriate place as directed by the TWAD Board officer. For the period from 1.7.2022 to 31.3.2023	3263.34	1 MLD	1522.94	Rupees One Thousand Five Hundred and Twenty Two and paise Ninety Four only.
					Total Rs. - I
2	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.				
2.1	450 mm Dia DI K9 Pipe	15	Nos	21223.22	Rupees Twenty One Thousand Two Hundred and Twenty Three and Paise Twenty Two Only
2.2	350 mm Dia DI K9 Pipe	2	Nos	11175.02	Rupees Eleven Thousand One Hundred and Seventy Five and Paise Two Only
2.3	250 mm Dia DI K9 Pipe	6	Nos	6813.08	Rupees Six Thousand Eight Hundred and Thirteen and Paise Eight Only

Sl. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)	
2.4	200 mm Dia DI K9 Pipe	2	Nos	5702.97	Rupees Five Thousand Seven Hundred and Two and Paise Ninety Seven Only
2.5	100 mm GI Pipe	1	Nos	2389.22	Rupees Two Thousand Three Hundred and Eighty Nine and Paise Twenty Two Only
2.6	50 mm GI Pipe	3	Nos	833.66	Rupees Eight Hundred and Thirty Three and Paise Sixty Six Only
					Total Rs. - II
3	Supply and delivery of the following materials required for maintenance of scheme.				
3.1	100 mm Single Chamber Air releasing valve	5	Nos	17450.00	Rupees Seventeen Thousand Four Hundred and Fifty Only
3.2	80 mm Single Chamber Air releasing valve	12	Nos	15529.00	Rupees Fifteen Thousand Five Hundred and Twenty Nine Only
3.3	50 mm GI Flange Set	12	Nos	79.00	Rupees Seventy Nine Only
3.4	100 mm GI Union	3	Nos	1232.00	Rupees One Thousand Two Hundred and Thirty Two Only
					Total Rs. - III
4	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				
4.1	555000 LL capacity of sump	5	Nos	7077.00	Rupees Seven thousand and Seventy Seven only
					Total Rs. - IV

Sl. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)	
					Grand Total Rs.

Total Rs.5681370.9796/-

Rupees Fifty Six Lakhs Eighty One Thousand Three Hundred and Seventy and Paise Ninety Eight Only

I/We, hereby agree to execute the
above item of work at % excess over / less then the value mentioned above.

1. The percentage filled by the contractor both in figures and words by using two decimal only .
2. If there is any discrepancy in percentage quoted in words and in figures, the lowest of the two will be considered.
3. If no percentage is quoted, the workers value will be taken as quoted price
4. If the contractor failed to score out the word either excess or less. The word less alone will be taken into consideration.

SE 1-1

STATION AND

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Amount (in Rs.)
4969871.02
4969871.02
318348.30
22350.04
40878.48

Amount (in Rs.)
11405.94
2389.22
2500.98
397872.96
87250.00
186348.00
948.00
3696.00
278242.00
35385.00
35385.00

Amount (in Rs.)
5,681,370.98

GENERAL ABSTRACT

**THE WORKING ESTIMATE FOR OUTSOURCING (O&M) OF COMBINED WATER SUPPLY
SCHEME TO VANAPURAM-LADAVARAM AND 88 OTHER HABITATIONS IN TIRUVANNAMALAI
DISTRICT FOR THE YEAR 2022-23**

S. No.	Description of Work	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 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 .	7263511.26
2	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.	205518.00
3	Rewinding of Motors in pumping stations and in the Electrical, Mechanical and Electro-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. Rewinding of burnout coil of stator in the motor of following duty pumpset including cost of all material, labour, removing, conveyance and re-erection etc., complete	456030.00
4	Supply and delivery of the Electrical Works :consumable items at the site of work to carryout the general maintenance works	24955.00
5	Supply and delivery of the consumable items for Pump Set repairs at the site of work to carryout the general maintenance works	21916.00
6	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.	25924.31
	GRAND TOTAL	7997854.57

SCHEDULE - A1

THE WORKING ESTIMATE FOR OUTSOURCING (O&M) OF COMBINED WATER SUPPLY SCHEME TO V LADAVARAM AND 88 OTHER HABITATIONS IN TIRUVANNAMALAI DISTRICT FOR THE YEAR 2022-23

S. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)
1.1.0	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 .	509.759	1 MLD	7100.32
	Sub Total Rs. - I			
1.2.0	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.			
1.2.1	50mm OD PVC 4 KSC pipes	1	Nos	1068.00
1.2.2	63mm OD PVC 4 KSC pipes	1	Nos	1068.00
1.2.3	75mm OD PVC 4 KSC pipes	1	Nos	1105.00
1.2.4	90mm OD PVC 4 KSC pipes	2	Nos	1160.00
1.2.5	110mm OD PVC 4 KSC pipes	2	Nos	1565.00
1.2.6	140mm OD PVC 4 KSC pipes	1	Nos	1748.00
1.2.7	200mm OD PVC 4 KSC pipes	15	Nos	2871.00
1.2.8	250mm OD PVC 4 KSC pipes	15	Nos	2871.00
	Sub Total Rs. - II			
1.3.0	Rewinding of Motors in pumping stations in the Electrical, Mechanical and Electro-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. Rewinding of burnout coil of stator in the motor of following duty pumpset including cost of all material, labour, removing, conveyance and re-erection etc., complete			
1.3.1	5 HP	6.00	Job	17750.00
1.3.2	7.5 HP	3.00	Job	21050.00
1.3.3	10 HP	2.00	Job	24400.00
1.3.4	25 HP	2.00	Job	38350.00
	Sub Total Rs. - III			
1.4.0	Supply and delivery of the following Electrical Works :consumable items at the site of work to carryout the general maintenance works			
1.4.1	Volt Meter	1	Nos	905.00
1.4.2	Ammeter	1	Nos	791.00
1.4.3	Bulbs (LED / Tube / Incandescent / others)	2	Nos	2502.00

1.4.4	choke	2	Nos	450.00
1.4.5	5 HP Starter	1	Nos	17355.00
	Sub Total Rs. - IV			
1.5.0	Supply and delivery of the following consumable items for Pump Set repairs at the site of work to carryout the general maintenace works			
1.5.1	50mm GM Gate valve	2	No	2062
1.5.2	80mm GM Gate valve	2	No	5113
1.5.3	50mm GI Pipe	3	m	412.00
1.5.4	65mm GI Pipe	3	m	527.00
1.5.5	80mm GI Pipe	3	m	653.00
1.5.6	100mm GI pipe	3	m	930.00
	Sub Total Rs. - V			
	Grand Total Rs.			

ANAPURAM-

Amount (in Rs.)
3619449.89
3619449.89
1068.00
1068.00
1105.00
2320.00
3130.00
1748.00
43065.00
43065.00
96569.00
106500.00
63150.00
48800.00
76700.00
295150.00
905.00
791.00
5004.00

900.00
17355.00
24955.00
4124.00
10226.00
1236.00
1581.00
1959.00
2790.00
21916.00
4,058,039.89

SCHEDULE - A2

**THE WORKING ESTIMATE FOR OUTSOURCING (O&M) OF COMBINED WATER SUPPLY SCHEME TO SATHANUR
AND 45 OTHER HABITATIONS IN TIRUVANNAMALAI DISTRICT FOR THE YEAR 2022-2023**

S. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)	Amount (in Rs.)
2.1.0	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 .	809.022	1 MLD	3340.81	2702787.62
	Sub Total Rs. - I				2702787.62
2.2.0	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.				
2.2.1	90mm OD PVC 4 KSC pipes	6	Nos	1160.00	6960.00
2.2.2	110mm OD PVC 4 KSC pipes	2	Nos	1565.00	3130.00
2.2.3	140mm OD PVC 4 KSC pipes	2	Nos	1748.00	3496.00
2.2.4	150mm AC Pipe Cut Barrel	2	Nos	4900.00	9800.00
2.2.5	2000mm AC Pipe Leak	2	Nos	3800.00	7600.00
2.2.6	200mm AC Pipe Cut Barrel	2	Nos	5200.00	10400.00
2.2.7	250mm AC Pipe Leak	4	Nos	4100.00	16400.00
2.2.8	350mm AC Pipe Leak	4	Nos	4900.00	19600.00
2.2.9	350mm AC Pipe Cut Barrel	1	Nos	6100.00	6100.00
	Sub Total Rs. - II				83486.00
2.3.0	Rewinding of Motors in pumping stations iod 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. Rewinding of burnout coil of stator in the motor of following duty pumpset including cost of all material, labour, removing, conveyance and re-erection etc., complete				
2.3.1	3HP HSC	1.00	Job	14980.00	14980.00
2.3.2	7.5HP HSC	1.00	Job	21100.00	21100.00
2.3.3	12.50 HP HSC	1.00	Job	26600.00	26600.00
2.3.4	5HP OW SUBMERSIBLE	1.00	Job	17750.00	17750.00
2.3.5	7.5HP OW SUBMERSIBLE	1.00	Job	21050.00	21050.00

	Sub Total Rs. - III				101480.00
2.4.0	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.				
2.4.1	1.00LL capacity of sump	1	Nos	25924.31	25924.31
	Sub Total Rs. - IV				25924.31
	Grand Total Rs.				2,913,677.93

SCHEDULE - A3

THE WORKING ESTIMATE FOR OUTSOURCING (O&M) OF CWSS TO THANIPADI,THANDRAMPATTU AND 35 OTHER HABITATIONS IN TIRUVANNAMALAI DISTRICT FOR THE YEAR 2022-23

S. No.	Description of Work	Quantity	Unit	Rate (Both in figures and words)	Amount (in Rs.)
3.1.0	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 .	607.011	1 MLD	1550.67	941273.75
	Sub Total Rs. - I				941273.75
3.2.0	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.				
3.2.1	90mm OD PVC 4 KSC pipes	2	Nos	1160.00	2320.00
3.2.2	110mm OD PVC 4 KSC pipes	1	Nos	1565.00	1565.00
3.2.3	140mm OD PVC 4 KSC pipes	1	Nos	1748.00	1748.00
3.2.4	150mm AC Pipe Leak	1	Nos	3530.00	3530.00
3.2.5	150mm AC Pipe Cur Barrel	1	Nos	4900.00	4900.00
3.2.6	200mm AC Pipe Leak	3	Nos	3800.00	11400.00
	Sub Total Rs. - II				25463.00
3.3.0	Rewinding of Motors in pumping stations and in the Electrical, Mechanical and Electro-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. Rewinding of burnout coil of stator in the motor of following duty pumpset including cost of all material, labour, removing, conveyance and re-erection etc., complete				
3.3.1	7.5 HP OW SUB	1.00	Job	21050.00	21050.00
3.3.2	25 HP OW SUB	1.00	Job	38350.00	38350.00
	Sub Total Rs. - III				59400.00
	Grand Total Rs.				1026136.75