

TWAD BOARD, RWS DIVISION, KANCHIPURAM

Name of work: Outsourcing the Operation and Maintenance of Combined Water supply Scheme for the Year 2022 - 23 to 1) Sriperumbudur and 17 Other Habitations, 2) Padur and 13 Other Habitations, 3) Kaliyampoondi and 16 Other Habitations, 4) Sriperumbudur T.P and Poonamallee Mpty., 5) Thirupulivanam - Marutham Habitations and 6) Salavakkam and 6 Other Habitations in Kanchipuram District.

Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
1	CWSS to Sriperumbudur and 17 Other Habitations						
	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 .	273.600	1 MLD	1 MLD (One Million Litre Day)	1677.84	Rupees One Thousand Six Hundred & Seventy Seven - Paise Eighty Four Only	459057.02
2	CWSS to Padur and 13 Other Habitations						
	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 .	43.107	1 MLD	1 MLD (One Million Litre Day)	9486.99	Rupees Nine Thousand Four Hundred & Eighty Six - Paise Ninety Nine Only	408955.68
A	ATTENDING LEAKS/BURSTS IN THE PVC & DI PIPELINES						
1	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in hard stiff clay, stiff block cotton soil, hard red earth, shales, murrum, gravelly soil and earth mixed with small size boulders as per SS20B.						

CONTRACTOR

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
a	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3448.62
b	90mm PVC 4KSC Pipes	19.10	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	9225.30
c	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2313.57
2	Refilling the trench with excavated soil (other than sand) complying with the standard specification after attending the jointing work and testing etc., complete						
a	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	239.90
b	90mm PVC 4KSC Pipes	19.10	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	641.76
c	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.94
3	Supply and delivery of the following PVC Pipes as per IS 4985/2000						
a	110mm PVC 4KSC Pipes	3.00	m	1M (One Metre)	216.50	Rupees Two Hundred & Sixteen - Paise Fifty Only	649.50
b	90mm PVC 4KSC Pipes	12.00	m	1M (One Metre)	151.00	Rupees One Hundred & Fifty One Only	1812.00
c	63mm PVC 4KSC Pipes	3.00	m	1M (One Metre)	78.50	Rupees Seventy Eight - Paise Fifty Only	235.50
4	Supply and delivery of the following PVC Specials as per IS 10124/1982 Part II						
a	110mm PVC 4KSC Coupler	2.00	No	1 No (Each)	33.00	Rupees Thirty Three Only	66.00
b	90mm PVC 4KSC Coupler	8.00	No	1 No (Each)	21.00	Rupees Twenty One Only	168.00
c	63mm PVC 4KSC Coupler	2.00	No	1 No (Each)	9.00	Rupees Nine Only	18.00
d	110mm PVC 4KSC Bend	1.00	No	1 No (Each)	111.00	Rupees One Hundred & Eleven Only	111.00
e	90mm PVC 4KSC Bend	1.00	No	1 No (Each)	65.00	Rupees Sixty Five Only	65.00
f	63mm PVC 4KSC Bend	1.00	No	1 No (Each)	26.00	Rupees Twenty Six Only	26.00
5	Removing the following burst PVC pipe in the maintenance works when burst occurs and replacing it with sound pipes including the cost of refilling the trench and the removal of slushy soil etc., complete (pipes and special jointing materials will be supplied with in 200mm lead and at the respective TWAD Board divisional stores free of cost), 2 times ordinary rate allowed for the works are done during day time since the works are done in confined reaches.						
a	110mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	1380.20	Rupees One Thousand Three Hundred & Eighty - Paise Twenty Only	1380.20
b	90mm PVC 4KSC Pipes	4.00	Job	1 No (Each)	1136.60	Rupees One Thousand One Hundred & Thirty Six - Paise Sixty Only	4546.40
c	63mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	679.80	Rupees Six Hundred & Seventy Nine - Paise Eighty Only	679.80
B	ATTENDING PUMPSET REPAIR IN THE SOURCES & COLLECTION SUMP						
1	Labour charges for Removal of Infiltration Submersible Pumpset and its accessories from the Sources/Collection Sump including disjoining the submersible cable, etc., complete for the rewinding work.						
a	3.0HP -3Nos	1.00	Job	1 No (Each)	5025.55	Rupees Five Thousand & Twenty Five - Paise Fifty Five Only	5025.55

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
b	10.0HP-2Nos.	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
2	Labour charges for Re –erection of Openwell Submersible Pumpset and its accessories after rewinding work into Sources/Collection Sump						
a	3.0HP -3Nos	1.00	Job	1 No (Each)	5025.55	Rupees Five Thousand &Twenty Five - Paise Fifty Five Only	5025.55
b	10.0HP-2Nos.	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
3	Labour charges for Rewinding of the Openwell Submersible Pumpset with first class insulation wire including removal of burnt coil, servicing the motor testing, commissioning, etc., Complete						
a	3.0HP -3Nos	1.00	Job	1 No (Each)	4400.00	Rupees Four Thousand Four Hundred Only	4400.00
b	10.0HP-2Nos.	1.00	Job	1 No (Each)	8030.00	Rupees Eight Thousand &Thirty Only	8030.00
4	Labour charges for Servicing the Pumpset including cost of Pump bushes, Motor bushes, Supply and fixing of Gunmetal bushes, Oil seal, thrust bearing, bolt and nuts, including Conveyance, etc., Complete						
a	3.0HP -3Nos	1.00	Job	1 No (Each)	2100.00	Rupees Two Thousand One Hundred Only	2100.00
b	10.0HP-2Nos.	1.00	Job	1 No (Each)	3600.00	Rupees Three Thousand Six Hundred Only	3600.00
5	Supply and Delivery of the following PVC Insulated and Sheathed 3 Core Flat type Copper Cable confirming to IS 694/1990 and as amended thereafter for erecting into the sources						
a	4 Sq.mm	5.00	m	1M (One Metre)	186.00	Rupees One Hundred & Eighty Six Only	930.00
6	Attending the Cable fault in the following sizes of Aluminium Armoured Cable of Sources						
a	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth SS 20 B.						
	70 Sq.mm LT Cables	29.81	m3	1Cum (One Cubic Metre)	322.50	Rupees Three Hundred & Twenty Two - Paise Fifty Only	9613.73
b	Labour charges for Jointing of the following LT Cables - 3 Core 1.1 KV Grade Armoured Aluminium Conductor Cable Confirming to IS 1554 and as amended thereafter Part I with ISI Marking including cost of jointing materials, testing and commissioning etc., Complete						
	70 Sq.mm LT Cables	2.00	Joint	1 No (Each)	320.00	Rupees Three Hundred & Twenty Only	640.00
c	Refilling the trench with excavated sand after attending the cable fault in LT Cables and jointing, etc, complete.						
	70 Sq.mm LT Cables	29.81	m3	1Cum (One Cubic Metre)	29.30	Rupees Twenty Nine - Paise Thirty Only	873.43

Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
d	Supply and delivery of the following 3 Core Armoured Aluminium Conductor Cross Linked Polyethylene Insulated PVC Sheathed Cables Conforming to IS 7098 (PART I)/1988 with ISI Marking						
	70 Sq.mm LT Cables	20.00	m	1M (One Metre)	321.00	Rupees Three Hundred & Twenty One Only	6420.00
7	Cleaning of all storage points like sumps, elevated reservoirs 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.						
	0.10LL Sump	4.00	Nos	1 No (Each)	2532.00	Rupees Two Thousand Five Hundred & Thirty Two Only	10128.00
3	CWSS to Kaliyampoondi and 13 Other Habitations						
	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 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 .	60.56	1 MLD	1 MLD (One Million Litre Day)	9004.38	Rupees Nine Thousand & Four - Paise Thirty Eight Only	545305.25
A	ATTENDING LEAKS/BURSTS IN THE PVC & DI PIPELINES						
1	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in hard stiff clay, stiff block cotton soil, hard red earth, shales, murram, gravelly soil and earth mixed with small size boulders as per SS20B.						
a	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3448.62
b	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2303.91
c	63mm PVC 4KSC Pipes	23.94	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	11563.02
2	Refilling the trench with excavated soil (other than sand) complying with the standard specification after attending the jointing work and testing etc., complete						

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
a	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	239.90
b	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.27
c	63mm PVC 4KSC Pipes	23.94	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	804.38
3	Supply and delivery of the following PVC Pipes as per IS 4985/2000						
a	110mm PVC 4KSC Pipes	4.00	m	1M (One Metre)	216.50	Rupees Two Hundred & Sixteen - Paise Fifty Only	866.00
b	90mm PVC 4KSC Pipes	4.00	m	1M (One Metre)	151.00	Rupees One Hundred & Fifty One Only	604.00
c	63mm PVC 4KSC Pipes	25.00	m	1M (One Metre)	78.50	Rupees Seventy Eight - Paise Fifty Only	1962.50
4	Supply and delivery of the following PVC Specials as per IS 10124/1982 Part II						
a	110mm PVC 4KSC Coupler	2.00	No	1 No (Each)	33.00	Rupees Thirty Three Only	66.00
b	90mm PVC 4KSC Coupler	2.00	No	1 No (Each)	21.00	Rupees Twenty One Only	42.00
c	63mm PVC 4KSC Coupler	10.00	No	1 No (Each)	9.00	Rupees Nine Only	90.00
5	Removing the following burst PVC pipe in the maintenance works when burst occurs and replacing it with sound pipes including the cost of refilling the trench and the removal of slushy soil etc., complete (pipes and special jointing materials will be supplied with in 200mm lead and at the respective TWAD Board divisional stores free of cost), 2 times ordinary rate allowed for the works are done during day time since the works are done in confined reaches.						
a	110mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	1380.20	Rupees One Thousand Three Hundred & Eighty - Paise Twenty Only	1380.20
b	90mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	1136.60	Rupees One Thousand One Hundred & Thirty Six - Paise Sixty Only	1136.60
c	63mm PVC 4KSC Pipes	2.00	Job	1 No (Each)	679.80	Rupees Six Hundred & Seventy Nine - Paise Eighty Only	1359.60
B	ATTENDING PUMPSET REPAIR IN THE SOURCES & COLLECTION SUMP						
1	Labour charges for Removal of Infiltration Submersible Pumpset and its accessories from the Sources/Collection Sump including disjoining the submersible cable, etc., complete for the rewinding work.						
a	5.0HP -5Nos	1.00	Job	1 No (Each)	5025.55	Rupees Five Thousand & Twenty Five - Paise Fifty Five Only	5025.55
2	Labour charges for Re –erection of Openwell Submersible Pumpset and its accessories after rewinding work into Sources/Collection Sump						
a	5.0HP -5Nos	1.00	Job	1 No (Each)	5025.55	Rupees Five Thousand & Twenty Five - Paise Fifty Five Only	5025.55
3	Labour charges for Rewinding of the Openwell Submersible Pumpset with first class insulation wire including removal of burnt coil, servicing the motor testing, commissioning, etc., Complete						
a	5.0HP -5Nos	1.00	Job	1 No (Each)	4850.00	Rupees Four Thousand Eight Hundred & Fifty Only	4850.00

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
4	Labour charges for Servicing the Pumpset including cost of Pump bushes, Motor bushes, Supply and fixing of Gunmetal bushes, Oil seal, thrust bearing, bolt and nuts, including Conveyance, etc., Complete						
a	5.0HP -5Nos	1.00	Job	1 No (Each)	2100.00	Rupees Two Thousand One Hundred Only	2100.00
6	Attending the Cable fault in the following sizes of Aluminium Armoured Cable of Sources						
a	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in Sand, silt or other loose soil, wet sand or silt not under water, light black cotton soil, sandy loam and ordinary soil including excavated earth SS 20 B.						
	35 Sq.mm LT Cables	17.97	m3	1Cum (One Cubic Metre)	322.50	Rupees Three Hundred & Twenty Two - Paise Fifty Only	5795.33
b	Labour charges for Jointing of the following LT Cables - 3 Core 1.1 KV Grade Armoured Aluminium Conductor Cable Confirming to IS 1554 and as amended thereafter Part I with ISI Marking including cost of jointing materials, testing and commissioning etc., Complete						
	35 Sq.mm LT Cables	2.00	Joint	1 No (Each)	183.00	Rupees One Hundred & Eighty Three Only	366.00
c	Refilling the trench with excavated sand after attending the cable fault in LT Cables and jointing, etc, complete.						
	35 Sq.mm LT Cables	17.97	m3	1Cum (One Cubic Metre)	29.30	Rupees Twenty Nine - Paise Thirty Only	526.52
d	Supply and delivery of the following 3 Core Armoured Aluminium Conductor Cross Linked Polyethylene Insulated PVC Sheathed Cables Conforming to IS 7098 (PART I)/1988 with ISI Marking						
	35 Sq.mm LT Cables	10.00	m	1M (One Metre)	184.00	Rupees One Hundred & Eighty Four Only	1840.00
e	Supply and delivery of the following Electrical Works :consumable items at the site of work to carryout the general maintenace works						
	Bulbs (LED / Tube / Incandescent / others)	1.00	m	1M (One Metre)	338.00	Rupees Three Hundred & Thirty Eight Only	338.00
4	CWSS to Sriperumbudur T.P and Poonamallee Municipality						

CONTRACTOR

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
	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 .	1247.92	1 MLD	1 MLD (One Million Litre Day)	218.47	Rupees Two Hundred & Eighteen - Paise Fourty Seven Only	272633.08
5	CWSS to Thirupulivanam - Marutham Habitations						
	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 .	57.76	1 MLD	1 MLD (One Million Litre Day)	4720.19	Rupees Four Thousand Seven Hundred & Twenty - Paise Nineteen Only	272638.17
A	ATTENDING LEAKS/BURSTS IN THE PVC & DI PIPELINES						
1	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in hard stiff clay, stiff block cotton soil, hard red earth, shales, murrum, gravelly soil and earth mixed with small size boulders as per SS20B.						
a	140mm PVC 4KSC Pipes	14.22	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	6868.26
b	110mm HDPE Pipes	7.14	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3448.62
c	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3448.62
d	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2303.91

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					Figures	Words	
e	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2313.57
2	Refilling the trench with excavated soil (other than sand) complying with the standard specification after attending the jointing work and testing etc., complete						
a	140mm PVC 4KSC Pipes	14.22	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	477.79
b	110mm HDPE Pipes	7.14	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	239.90
c	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	34.60	Rupees Thirty Four - Paise Sixty Only	247.04
d	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.27
e	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.94
3	Supply and delivery of the following PVC Pipes as per IS 4985/2000						
a	140mm PVC 4KSC Pipes	4.00	m	1M (One Metre)	357.50	Rupees Three Hundred & Fifty Seven - Paise Fifty Only	1430.00
b	110mm HDPE Pipes	1.00	m	1M (One Metre)	216.50	Rupees Two Hundred & Sixteen - Paise Fifty Only	216.50
c	110mm PVC 4KSC Pipes	1.00	m	1M (One Metre)	367.00	Rupees Three Hundred & Sixty Seven Only	367.00
d	90mm PVC 4KSC Pipes	1.00	m	1M (One Metre)	151.00	Rupees One Hundred & Fifty One Only	151.00
e	63mm PVC 4KSC Pipes	1.00	m	1M (One Metre)	78.50	Rupees Seventy Eight - Paise Fifty Only	78.50
4	Supply and delivery of the following PVC Specials as per IS 10124/1982 Part II						
a	140mm PVC 4KSC Coupler	4.00	No	2 No (Each)	60.00	Rupees Sixty Only	240.00
b	110mm PVC 4KSC Coupler	2.00	No	3 No (Each)	33.00	Rupees Thirty Three Only	66.00
c	90mm PVC 4KSC Coupler	2.00	No	4 No (Each)	21.00	Rupees Twenty One Only	42.00
d	63mm PVC 4KSC Coupler	2.00	No	5 No (Each)	9.00	Rupees Nine Only	18.00
B	ATTENDING PUMPSET REPAIR IN THE SOURCES & COLLECTION SUMP						
1	Labour charges for Removal of Infiltration Submersible Pumpset and its accessories from the Sources/Collection Sump including disjoining the submersible cable, etc., complete for the rewinding work.						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
2	Labour charges for Re –erection of Openwell Submersible Pumpset and its accessories after rewinding work into Sources/Collection Sump						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
3	Labour charges for Rewinding of the Openwell Submersible Pumpset with first class insulation wire including removal of burnt coil, servicing the motor testing, commissioning, etc., Complete						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	8030.00	Rupees Eight Thousand & Thirty Only	8030.00

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					Figures	Words	
4	Labour charges for Servicing the Pumpset including cost of Pump bushes, Motor bushes, Supply and fixing of Gunmetal bushes, Oil seal, thrust bearing, bolt and nuts, including Conveyance, etc., Complete						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	3600.00	Rupees Three Thousand Six Hundred Only	3600.00
5	Attending the Cable fault in the following sizes of Aluminium Armoured Cable of Sources						
	Supply and delivery of the following 3 Core Armoured Aluminium Conductor Cross Linked Polyethylene Insulated PVC Sheathed Cables Conforming to IS 7098 (PART I)/1988 with ISI Marking						
	35 Sq.mm	10.00	m	1M (One Metre)	184.00	Rupees One Hundred & Eighty Four Only	1840.00
6	CWSS to Salavakkam and 6 Other Habitations						
	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 .	106.64	1 MLD	1 MLD (One Million Litre Day)	2556.55	Rupees Two Thousand Five Hundred & Fifty Six - Paise Fifty Five Only	272630.49
A	ATTENDING LEAKS/BURSTS IN THE PVC & DI PIPELINES						
1	Earth work Excavation and Depositing on bank with initial lead of 10 m and lift of 2m in hard stiff clay, stiff block cotton soil, hard red earth, shales, murram, gravelly soil and earth mixed with small size boulders as per SS20B.						
a	160mm PVC 4KSC Pipes	7.20	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3477.60
b	140mm PVC 4KSC Pipes	7.11	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3434.13
c	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	3448.62
d	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2303.91
e	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	483.00	Rupees Four Hundred & Eighty Three Only	2313.57

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					Figures	Words	
2	Refilling the trench with excavated soil (other than sand) complying with the standard specification after attending the jointing work and testing etc., complete						
a	160mm PVC 4KSC Pipes	7.20	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	241.92
b	140mm PVC 4KSC Pipes	7.11	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	238.90
c	110mm PVC 4KSC Pipes	7.14	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	239.90
d	90mm PVC 4KSC Pipes	4.77	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.27
e	63mm PVC 4KSC Pipes	4.79	m3	1Cum (One Cubic Metre)	33.60	Rupees Thirty Three - Paise Sixty Only	160.94
3	Supply and delivery of the following PVC Pipes as per IS 4985/2000						
a	160mm PVC 4KSC Pipes	2.00	m3	1Cum (One Cubic Metre)	465.50	Rupees Four Hundred & Sixty Five - Paise Fifty Only	931.00
b	140mm PVC 4KSC Pipes	2.00	m3	1Cum (One Cubic Metre)	357.50	Rupees Three Hundred & Fifty Seven - Paise Fifty Only	715.00
c	110mm PVC 4KSC Pipes	2.00	m3	1Cum (One Cubic Metre)	216.50	Rupees Two Hundred & Sixteen - Paise Fifty Only	433.00
d	90mm PVC 4KSC Pipes	2.00	m3	1Cum (One Cubic Metre)	151.00	Rupees One Hundred & Fifty One Only	302.00
e	63mm PVC 4KSC Pipes	2.00	m3	1Cum (One Cubic Metre)	78.50	Rupees Seventy Eight - Paise Fifty Only	157.00
4	Supply and delivery of the following PVC Specials as per IS 10124/1982 Part II						
a	160mm PVC 4KSC Coupler	2.00	m3	1Cum (One Cubic Metre)	93.00	Rupees Ninety Three Only	186.00
b	140mm PVC 4KSC Coupler	2.00	m3	1Cum (One Cubic Metre)	60.00	Rupees Sixty Only	120.00
c	110mm PVC 4KSC Coupler	2.00	m3	1Cum (One Cubic Metre)	33.00	Rupees Thirty Three Only	66.00
d	90mm PVC 4KSC Coupler	2.00	m3	1Cum (One Cubic Metre)	21.00	Rupees Twenty One Only	42.00
e	63mm PVC 4KSC Coupler	2.00	m3	1Cum (One Cubic Metre)	9.00	Rupees Nine Only	18.00
f	160mm PVC 4KSC Bend	1.00	m3	1Cum (One Cubic Metre)	375.00	Rupees Three Hundred & Seventy Five Only	375.00
g	140mm PVC 4KSC Bend	1.00	m3	1Cum (One Cubic Metre)	274.00	Rupees Two Hundred & Seventy Four Only	274.00
h	110mm PVC 4KSC Bend	1.00	m3	1Cum (One Cubic Metre)	111.00	Rupees One Hundred & Eleven Only	111.00
i	90mm PVC 4KSC Bend	1.00	m3	1Cum (One Cubic Metre)	65.00	Rupees Sixty Five Only	65.00
j	63mm PVC 4KSC Bend	1.00	m3	1Cum (One Cubic Metre)	26.00	Rupees Twenty Six Only	26.00

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Item No.	Description of work	Probable quantity Figures		Units in	Rates in		Amount in figures
					Figures	Words	
5	Removing the following burst PVC pipe in the maintenance works when burst occurs and replacing it with sound pipes including the cost of refilling the trench and the removal of slushy soil etc., complete (pipes and special jointing materials will be supplied with in 200mm lead and at the respective TWAD Board divisional stores free of cost), 2 times ordinary rate allowed for the works are done during day time since the works are done in confined reaches.						
a	140mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	2020.80	Rupees Two Thousand &Twenty - Paise Eighty Only	2020.80
b	110mm PVC 4KSC Pipes	1.00	Job	1 No (Each)	1380.20	Rupees One Thousand Three Hundred & Eighty - Paise Twenty Only	1380.20
B	ATTENDING PUMPSET REPAIR IN THE SOURCES & COLLECTION SUMP						
1	Labour charges for Removal of Infiltration Submersible Pumpset and its accessories from the Sources/Collection Sump including disjoining the submersible cable, etc., complete for the rewinding work.						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
2	Labour charges for Re –erection of Openwell Submersible Pumpset and its accessories after rewinding work into Sources/Collection Sump						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	5758.80	Rupees Five Thousand Seven Hundred & Fifty Eight - Paise Eighty Only	5758.80
3	Labour charges for Rewinding of the Openwell Submersible Pumpset with first class insulation wire including removal of burnt coil, servicing the motor testing, commissioning, etc., Complete						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	8030.00	Rupees Eight Thousand &Thirty Only	8030.00
4	Labour charges for Servicing the Pumpset including cost of Pump bushes, Motor bushes, Supply and fixing of Gunmetal bushes, Oil seal, thrust bearing, bolt and nuts, including Conveyance, etc., Complete						
a	10.0HP -2Nos	1.00	Job	1 No (Each)	3600.00	Rupees Three Thousand Six Hundred Only	3600.00
5	Attending the Cable fault in the following sizes of Aluminium Armoured Cable of Sources						
a	Labour charges for Jointing of the following LT Cables - 3 Core 1.1 KV Grade Armoured Aluminium Conductor Cable Confirming to IS 1554 and as amended thereafter Part I with ISI Marking including cost of jointing materials, testing and commissioning etc., Complete						
	50 Sq.mm	1.00	Job	1 No (Each)	242.00	Rupees Two Hundred & Fourty Two Only	242.00
b	Supply and delivery of the following 3 Core Armoured Aluminium Conductor Cross Linked Polyethylene Insulated PVC Sheathed Cables Conforming to IS 7098 (PART I)/1988 with ISI Marking						
	50 Sq.mm	10.00	m	1M (One Metre)	243.00	Rupees Two Hundred & Fourty Three Only	2430.00
						Sub Total -I Rs	24,73,531.87
						Sub Total -I & II Rs	24,73,531.87

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Item No.	Description of work	Probable quantity Figures	Units in	Rates in		Amount in figures
				Figures	Words	

Rupees Twenty Four Lakh Seventy Three Thousand Five Hundred & Thirty One - Paise Eighty Seven Only

I/We agree to the execute all the above components of works atpercentage Execss/Less over the department value mentioned above
 (The percentage should be mentioned both in words and figure)

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