

GENERAL ABSTRACT

CWSS to Thanipadi-Thandrampattu and 35 other habitations in of Thiruvannamalai District Replacement of Electro Mechanical Items, Supply,delivery laying and Jointing of 150mm DI K7 S/S Pipes and valves and allied Civil Works. etc., complete – Period of Construction – 3 Months and Maintenance of the scheme (Free of cost) – 3 months.

Sl. No.	Schedule No	Name of Components	BOQ Value in Rupees
1	A 1	Replacement of Electro Mechanical Items	2246956.80
2	A 2	Replacement of Pipeline works	544155.37
3	A 3	Replacement of Valves	218611.00
4	A 4	Maintenance of the scheme - Three month	0.00
		Total	3009723.17
		GST @12%	361166.78
		Grand Total	3370889.95

(Rupees Thirty three Lakhs seventy thousand eight hundred and eighty nine and paise ninety five 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)

SCHEDULE - A 1

CWSS to Thanipadi-Thandrapattu and 35 other habitations in of Thiruvannamalai District Replacement of Electro Mechanical Items, Supply,delivery laying and Jointing of 150mm DI K7 S/S Pipes and valves and allied Civil Works. etc., complete – Period of Construction – 3 Months and Maintenance of the scheme (Free of cost) – 3 months.

Replacement of Electro Mechanical Items

Item No	Description of Work	Probable Quantity		TNBP No. & Other Specification	Unit (Both in words and figures)	Rates in		Amount in figures
		Qty	Unit			Figures	Words	
1	2	3		4	5	6	7	8
1	Supply and delivery of MIXED DI ELECTRIC CAPACITOR WITH TNEB TEST CERTIFICATE WITH ACCESSORIES INCLUDING BANKING CONFIRMING TO IS 2834.	50	KVAR	IS 2834. and as ammended from time to time	1KVAR	440.00	Rupees Four hundred and forty only	22000.00
2	Supply and delvery of FULLY AUTOMATIC AIR BREAK STAR DELTA STARTER WITH SINGLE PHASE PREVENTOR WITH AMMETER CONFIRMING TO IS13947, IEC 60947-1 WITH AUTO RESTART FACILITY FOR PUMP HOUSES WHERE PANEL BOARDS ARE AVAILABLESupply and delivery of Star-Delta starter where panel boards are available confirming to IS13947, IEC 60947-1 suitable KW rating for operation in AC/ three Phase/50Hz(+/- 5%) and 415V (+/-10%) including 3 pole magnetic contactor with under voltage release - 3 Nos., CT operated Ammeter(65 mm dia) with suppressed scale, Voltmeter (65mm dia), Voltmeter selector switch,Minature circuit breaker, Thermal Overload relay, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, wiring with 1 sq.mm/4 sq. mm copper pvc insulated cable, powder coated vermin proof box, including the capacitor(the cost of capacitor is to be taken separately).			IS13947, IEC 60947-1 and as ammended from time to time				

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1	2	3		4	5	6	7	8
a	50HP WTP Thanipadi line	1	No		1No (One Number)	35998.00	Rupees Thirty five thousand nine hundred and ninety eight only	35998.00
b	30 HP Head Works	1	No		1No (One Number)	27556.00	Rupees Twenty seven thousand five hundred and fifty six only	27556.00
c	10 HP /Air Compressor	1	No		1No (One Number)	15658.00	Rupees Fifteen thousand six hundred and fifty eight only	15658.00
3	Supply and delivery of LT/LTCT METERING BOX as per IE rules and TANGEDCO norms			IS13947, IEC 60947-1 and as ammended from time to time				
a	75 HP/56 KW (which includes LT meter panel board 6 Nos. suitable fuse carriers)	1	No	IS 7098(Part I)1988with ISI marking & as ammended from time to time and as per IE Rules	1No (One Number)	31654.00	Rupees Thirty one thousand six hundred and fifty four only	31654.00
4	Supply and delivery of 95 Sq.mm 3.0 core 1.1 KV grade Armoured Aluminium conductor cross linked poly ethylene insulated PVC Sheathed cable conforming to IS 7098(Part I)1988 with ISI marking of the reputed make for the submersible pumpset erected between EB Pole to Panel Board etc., complete and as directed by the TWAD Board officers.	30	M	IS 7098(Part I)1988with ISI marking & as ammended from time to time and as per IE Rules	1 M (one metre)	362.00	Rupees Three hundred and sixty two only	10860.00
5	Laying of 95 Sq.mm 3.0 core 1.1 KV grade Armoured Aluminium conductor cross linked poly ethylene insulated PVC Sheathed cable for the submersible pumpset between the TNEB supply point and MV switch board inside the pump room or in Air including earth work excavtion and refilling the trench after the cable laid, proper anchoring etc., complete			Special Specification				
a	For Laying Trenches inside the pump Room or in Air	30	M	Special Specification	1 M (one metre)	97.00	Rupees Ninety seven only	2910.00

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1	2	3		4	5	6	7	8
6	Jointing of 95 Sq.mm 3.0 core 1.1 KV grade Armoured Aluminium conductor cross linked poly ethylene insulated PVC Sheathed cable including Jointing materials and labour etc., complete	3	M	Special Specification	1 M (one metre)	395.00	Rupees Three hundred and ninety five only	1185.00
7	BOX TYPE TWIN FLUORESCENT FITTING WITH COPPER CHOKE AND CONDENSOR[HPF] COMPLETE WITH ISI MARK (Philips Crompton / Equivalent)			As per ISI Marking				
a	4 Ft. 40 Watts Box type with Ballast	4	Nos		1No (One Number)	737.00	Rupees Seven hundred and thirty seven only	2948.00
8	TWIN TYPE STREET LIGHTS FLUORESCENT FITTING SUITABLE FOR 2 Nos. FLUORESCENT TUBES WITH COPPER CHOKE AND CONDENSOR COMPLETE			As per ISI Marking				
a	4 Ft. 40 Watts type	3	Nos		1No (One Number)	848.00	Rupees Eight hundred and forty eight only	2544.00
9	LED OUTDOOR FITTINGS (LIGHT EMITTING DIODE) LowerEnd Orbit / Equivalent			As per ISI Marking				
a	30W LED Street Light Fitting	3	Nos		1No (One Number)	1802.00	Rupees One thousand eight hundred and two only	5406.00
10	AC Ceiling fan complete 1200mm (48") sweep with 300mm Down rod.(without regulator)	2	Nos	As per ISI Marking	1No (One Number)	1119.00	Rupees One thousand one hundred and nineteen only	2238.00
11	Fan Step Regulator 100W - 1 Module Lower End arbit/oswin/ Roma / Equivalent	2	Nos		1No (One Number)	239.00	Rupees Two hundred and thirty nine only	478.00
12	SWITCH DISCONNECTOR FUSE UNITS IN SHEETSTEEL ENCLOSURE (SDF) (L&T/SIEMENS / EQUIVALENT)			As per ISI Marking				
a	63 A TPN switch disconnecter fuse units in sheet steel enclosure with HRC fuses Double break	1	No		1No (One Number)	3520.00	Rupees Three thousand five hundred and twenty only	3520.00

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1	2	3		4	5	6	7	8
13	Supply, delivery and Fixing of Oriya Type Indian Water closet 580mm x 440mm with "P" or "S" Trap			As per ISI Marking				
a	White	1	No		1No (One Number)	1170.00	Rupees one thousand one hundred and seventy only	1170.00
14	Supply, delivery and Fixing of Wash Hand Basin of size 550mm x 400mm with all accessories such as cast iron brackets, 32mm dia C.P.waste coupling, rubber plug and chain, 32mm dia 'B' Class G.I. waste pipe, 15mm dia G.M. wheel valve, 15mm dia nylon connection, 15mm dia brass nipples, 15mm pillar tap etc.			As per ISI Marking				
a	White without pedastal	1	Nos		1No (One Number)	1625.00	Rupees one thousand six hundred and twenty five only	1625.00
15	Providing lighting wiring using MS conduit pipes and specials with 2 run 1.50 Sq.mm PVC copper wire and 1 run 12 SWG GI Wire for eathing for light ,fan and 5A Plug points including switch box,5A switch ,sockets,celling rose and consumables etc., complete (Light Points)	20	Nos	AS per IE Rules	1No (One Number)	750.00	Rupees Seven hindred and fifty only	15000.00

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1	2	3		4	5	6	7	8
16	L.T. CUBICAL PANEL BOARD- WTP							
a	Supply and delivery of floor mounting type weather,vermin and dust proof powder coated M.V. cubical panel board of 14 SWG M.S. Sheet and MS angle iron frame work with enclosed Aluminium busbar 4 Nos. of required current carrying capacity with all internal wiring as per I.E. Rules,. The design of panel board should facilitate for quick operation of all switches from the front side. The panel board should be completed with all internal wiring including necessary twin copper earthing arrangements and consists of the components for controlling incoming and outgoing supply.	1	Nos	As per I.E. Rules,.	1No (One Number)	244659.00	Rupees Two Lakhs fourty four thousand six hundred and fifty nine only	244659.00
	2 Nos 250 Amps MCCB to control incoming supply from supply point & DG set							
	2No 200 Amps MCCB to control outgoing supply to the 50 HPHSC Pumpsets with interlocking							
	2No 100 Amps MCCB to control outgoing supply to the 15 HPAir cmpressor units with interlocking							
	4No 63 Amps MCCB to control outgoing supply to the OW sub Pumpsets-2Nos & standby (P3,P4,P5 and Standby)2Nos with change over switch							
	1 No 63 Amps MCB to control outgoing supply to the capacitor bank of 24 KVAR							
	1 Nos 32 Amps MCCB to control outgoing supply to the lighting load							
	1 No. 144mm square type..0 - 500.Amps digital Ammeter with phase selector switch and slide lock fuses.							

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1	2	3		4	5	6	7	8
	1 No. 144mm square type.500 Volts digital Volt meter with phase selector witch and slide lock fuses.							
	1 No. Three phases 4 wire, digital KW Hr. Meter for direct reading							
	1 No. 144mm square type digital P.F.Meter							
	5 Nos. RYB & ON/OFF indicating lamps with control fuse/Switch							
	1 set C.T suitable for the instruments							
17	L .T. CUBICAL PANEL BOARD- RAW Water Pump Room							
a	Supply and delivery of floor mounting type weather,vermin and dust proof powder coated M.V. cubical panel board of 14 SWG M.S. Sheet and MS angle iron frame work with enclosed Aluminium busbar 4 Nos. of required current carrying capacity with all internal wiring as per I.E. Rules,. The design of panel board should facilitate for quick operation of all switches from the front side. The panel board should be completed with all internal wiring including necessary twin copper earthing arrangements and consists of the components for controlling incoming and outgoing supply.	1	Nos	As per I.E. Rules,.	1No (One Number)	82388.00	Rupees Eighty two thousand three hundred and eighty eight only	82388.00
	2 Nos 160 Amps MCCB to control incoming supply from supply point & DG set							
	2No 125 Amps MCCB to control outgoing supply to the20 HP VT Pumpsets with interlocking							
	1 No 32 Amps MCB to control outgoing supply to the capacitor bank of 24 KVAR							
	1 Nos 32 Amps MCCB to control outgoing supply to the lighting load							

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1	2	3		4	5	6	7	8
	1 No. 144mm square type..0 - 500.Amps digital Ammeter with phase selector switch and slide lock fuses.							
	1 No. 144mm square type.500 Volts digital Volt meter with phase selector witch and slide lock fuses.							
	1 No. Three phases 4 wire, digital KW Hr. Meter for direct reading							
	1 No. 144mm square type digital P.F.Meter							
	5 Nos. RYB & ON/OFF indicating lamps with control fuse/Switch							
	1 set C.T suitable for the instruments							
18	Fabrication,Supply and Delivery and fixing of outside MS Ladder of 45cm clear wide made out of 50 mm x 50mm x 6mm MS angle for sides and steps in 16 mm MS plain rods fixed at 30cm C/C welded jointed etc ., providing with suitable side supports, clamps and locking arrangements provided with two coats of approved enamel paint over one coat of redoxide paint , for providing access to roof top of Aerator of suitable inclined length , including bottom anchorage and transportation and as directed by TWAD Board officers. The rate includes concrete bed block in CC 1:2:4 using 20mm HBGS at top and bottom of suitable size with necessary anchor bolts.per approved Type Design and as directed by TWAD board officers.	1	Nos	Special Specification	1No (One Number)	23830.00	Rupees Twenty three thousand eight hundred and thirty only	23830.00

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1	2	3		4	5	6	7	8
19	Supply and Delivery Fabrication of MS doors and windows with outer frame and shutter frame in MS angle of size 40mm x 40mm x 6 mm with MS flat 25mm x 25mm x 6mm and MS sheet of 18 gauge including ventilating arrangements using 20mm square MS rods with locking arrangements including two coats of approved enamel paint over coat of red oxide including cost of angles, plates, sheets, fabrication charges, cost of hold fast and transportation charges etc., complete.			Special Specification				
a	Fully panelled Double leaf - Door Size 1.00m x2.00 m	3	Nos		1No (One Number)	4288.00	Rupees Four thousand two hundred and eighty eight only	12864.00
b	Fully panelled Double leaf - Window (without Ventilator) Size1.20 m x0.90 m	3	Nos		1No (One Number)	3179.00	Rupees Three thousand one hundred and seventy nine only	9537.00
20	Supply delivery of natural Pebbles filter media for Filter bed operation & sedimentary bore well of spherical in shape and allow even distribution in support bed with good flow. The media should be double washed, screened, kiln dried and classified into various sizes to meet specification including all incidental charges, conveyance, loading & unloading etc., as directed by the TWAD Board officers.							
a	Size : 5 mm to 8mm	10	Cum	Special Specification	1 m ³ (One cubic metre)	4095.00	Rupees Four thousand ninety five only	40950.00
b	Size : 20 mm to 70 mm	7.5	Cum	Special Specification	1 m ³ (One cubic metre)	3745.00	Rupees Three thousand seven hundred and forty five only	28087.50
21	Labour for filling with broken stone of all sizes well washed and cleaned, to be free from impurities, including stacking and laying in bed	10	Cum	Special Specification	1 m ³ (One cubic metre)	111.83	Rupees One hundred and eleven and paise eighty three only	1118.26

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1	2	3		4	5	6	7	8
22	Labour for filling the coarse sand passing through a sieve of 10 meshes to 2.5 cm and retained in 20 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	4	Cum	Special Specification	1 m ³ (One cubic metre)	211.42	Rupees Two hundred and eleven and paise forty two only	845.67
23	Labour for filling with fine sand passing through a sieve of ten meshes to 2.5cm and retained in a sieve of 40 meshes to 2.5 cm well washed and cleaned to be free from impurities including stacking	3.5	Cum	Special Specification	1 m ³ (One cubic metre)	18.42	Rupees Eighteen and paise forty two only	64.46
24	Labour for scraping and removing silt only from the surface and sides of the filter basin carrying the same to a distance not exceeding 200 metres	3	Cum	Special Specification	1 m ³ (One cubic metre)	20.79	Rupees Twenty and paise seventy nine only	62.36
25	Labour for removing dirty sand in layer of 25 mm uniform thickness from the slow sand filter, conveying, dropping the sand in a hopper with a lift of not exceeding 3 metres within a distance of 30 metres and delivering the washed sand in filter bed including removal and carrying the dirt from collecting chamber to a distance of upto 200 metres	3.5	Sq.m	Special Specification	1 m ² (One Square metre)	25.13	Rupees Twenty five and paise thirteen only	87.95
26	Supplying mild steel grills for windows, ventilators, etc., including priming coat for Cylinder Loading & unloading arrangements	400	Kg.	Special Specification	1 Kg. (One Kilogram)	54.50	Rupees Fifty four and paise fifty only	21800.00

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1	2	3		4	5	6	7	8
27	Supply, delivery Erection and commissioning of Peripheral driven clariflocculator mechanism suitable for installation in your RCC tank of size 12 mts dia X4 mts. SWD <ul style="list-style-type: none"> • The driven mechanism would be of traction driven type, running on wheels over the tank wall. • Suitable centre bearing assembly in the center pier • MS Walkway bridge center support with GI handrail will support the centre bearing assembly. 	1	No.	Special Specification	1No (One Number)	1000000.00	Rupees Ten Lakhs only	1000000

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1	2	3		4	5	6	7	8
	<ul style="list-style-type: none"> • Aluminum chequered plate to suitable same. • MS Torque plate to suit your centre pier of the civil tank. • 2 Nos of Flocculator driven arrangement will be assemble with MS Bridge. • MS seamless pipe Shaft with paddle arrangement. • Suitable guide bush will be provided. • Scraper rake arm supports suspended from the bridge bottom holding the scraper frame sweeping the radius of the tank bottom at any given time. • The rake arm supports will be cross braced between the frame and the bridge. • MS Tank bottom scrapper frame and blades arranged and quantified in such way that entire tank floor radius is swept at a time • Rubber squeezes bolted to be blades. • MS traction rails with traction wheel arrangement • All the fasteners will be GI arranged and quantified in such way that the entire tank floor radius is swept at a time. 							
28	Supply, installation and testing of Electrical UG Cable, Torque Switch unit, Control panel, Earthing and etc.,	1	No.	As per IE Rules and ISI Marking	1No (One Number)	200000.00	Rupees Two Lakhs only	200000

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1	2	3		4	5	6	7	8
	Supply, delivery Erection, Fabrication and commissioning of Cravity feed Gas Chlorination system with the Chlorine dosing capacity of 5 Kg/hour to TWAD Board at Thiruvannamalai RWS Division with complete required specification with all Necessary Accessories the following details. ACCESSORIES: 1. Gas filter-1No. 2.Pressure Reducing Value(PRV)- 1Nos 3. Pressure Gauge SS @ 15KG/cm2 -2Nos 4. Rotometer Full set-1No 5. FRP-Cabinet Size 5x2/1/2 -1 No 6. Single Turner Manifold -1No. 7.Chlorine Valve-1No 8.Auto cut off Valve -1No 9. Flow Control Valve-1No 10. Solunid Valve-2 Nos 11. 0.5 HP Centrifucal Pump -1No 12. Copper Tube-1No 13. Roller Support for Cylinder Mounting -1. No.	1	Unit	As per IE Rules and ISI Marking	1 unit (One Unit)	380000	Rupees Three lakhs eighty thousand only	380000
29	Supply and delivery of following GI /PVC Pipes & specials as per IS Specifications and as amended from time to time etc., complete and as directed by TWAD Board Officers.							
a	20mm GI pipe	6	m	1239/PART I/2004, 1239/PART II & as amended from time to time	1 m (One Metre)	128.00	Rupees One hundred and twenty eight only	768.00
b	20mm GI elbow	4	nos		1No (One Number)	30.00	Rupees Thrity only	120.00
c	20mm GI union	4	nos		1No (One Number)	65.00	Rupees Sixty five only	260.00
d	20mm GM Gate valve	2	nos		1No (One Number)	475.00	Rupees Four hundred and seventy five only	950.00

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1	2	3		4	5	6	7	8
e	20mm dia PVC pipe (Finolex)	12	m	IS 4985 / 2000 and as amended from time to time IS 10124 /1982/ Part II/ and as amended from time to time	1 m (One Metre)	21.60	Rupees Twenty one and paise sixty only	259.20
f	20mm dia PVC coupler (Finolex)	4	nos		1No (One Number)	4.10	Rupees Four and paise ten only	16.40
g	20mm dia PVC Elbow(Finolex)	4	nos		1No (One Number)	6.00	Rupees Six only	24.00
h	20mm dia PVC Tee (Finolex)	4	nos		1No (One Number)	8.50	Rupees Eight and paise fifty only	34.00
i	20mm dia Waste not Tap	4	nos		1No (One Number)	123.00	Rupees One hundred and twenty three only	492.00
j	PVC Adhesive solution	1	kg		1 Kg. (One Kilogram)	321.00	Rupees Three hundred and twenty one only	321.00
k	20mm dia PVC Tee (Finolex)	4	nos		1No (One Number)	8.50	Rupees Eight and paise fifty only	34.00
30	Supply & delivery of safety Appliances							
a	Electrical gloves tested to 11 KV /22 KV with wooden box dusted with french chalk powder	1	nos	As per IE Rules and TANGEDCO Norms	1No (One Number)	582.00	Rupees Five hundred and eighty two only	582.00
b	Electrical quality 6mm thick rubber mat	3	nos		1No (One Number)	636.00	Rupees Six hundred and thirty six only	1908.00
c	5 kg capacity ISI marked Dry chemical powder fire extinguisher	2	nos		1No (One Number)	2273.00	Rupees Two thousand seventy three only	4546.00
e	Fire Bucket-3 Nos Hooked to MS stand	2	nos		1No (One Number)	908.00	Rupees Nine hundred and eight only	1816.00
f	Laminated shock treatment chart	2	nos		1No (One Number)	606.00	Rupees Six hundred and six only	1212.00
g	Wooden First Aid Box	2	nos		1No (One Number)	765.00	Rupees Seven hundred and sixty five only	1530.00
h	Rechargeable Emergency lamp(600mm fluorescent lamp)	1	nos		1No (One Number)	3040.00	Rupees Three thousand fourty only	3040.00
	TOTAL							

SCHEDULE - A 2

CWSS to Thanipadi-Thandrapattu and 35 other habitations in of Thiruvannamalai District Replacement of Electro Mechanical Items, Supply,delivery laying and Jointing of 150mm DI K7 S/S Pipes and valves and allied Civil Works. etc., complete – Period of Construction – 3 Months and Maintenance of the scheme (Free of cost) – 3 months.

Replacement of Pipeline works

Item No	Description of Work	Probable Quantity		TNBP No. & Other Specification	Unit (Both in words and figures)	Rates in		Amount in figures
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1	2	3		4	5	6	7	8
1	Earth work excavation and depositing on bank with initial lead of 10 m and lift of 2 M in narrow trenches having bed width 1.25m & below for laying of pipes for water supply works in the Sand, silt or other loose soil, wet sand or silt not under water light black cotton soil, sandy loam and ordinary soil.SS20B including shoring, strutting bailingout water from the tenches wherever necessary and all other incidental charges such as barricading providing danger light etc. complete and as directed by the TWAD Board Officers			SS No.20B, 23 and Special Specification.				
a	150 mm dia DI K7 S/S pipes	300	m		1 m (One Metre)	144.37	Rupees One hundred and forty four and paise thirty seven only	43311.00
2	Lowering of following DI K7 Pipes and specials carefully into the trench and laying to proper grade and alignment including labour charges, incidental and operational charges etc., complete as per standard specifications and as directed by the TWAD Board officers.			Special specification				
a	150 mm dia DI K7 S/S pipes	300	m		1 m (One Metre)	23.95	Rupees Twenty three and paise ninety five only	7185.00

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1	2	3		4	5	6	7	8
3	Refilling the trenches with excavated earth (other than sand) in layers of 15 cm thick, watered well rammed and consolidated etc. complete complying with standard specification removing and spreading the surplus earth at the places shown and as directed by the TWAD Board Officers.			SS 24,25 and Special Spn.				
a	150 mm dia DI K7 S/S pipes	300	m		1 m (One Metre)	19.51	Rupees Nineteen and paise fifty one only	5853.00
4	Supply, delivery of following DI K7 Pipes as per IS specification IS 8329 / 2000 and as amended from time to time including cost of loading, freight, transit, unloading and stacking them and as directed by TWAD Board Officers.			IS 8329 / 2000 and as amended from time to time				
a	150 mm dia DI K7 S/S pipes	300	m		1 m (One Metre)	1475.00	Rupees One thousand four hundred and seventy five only	442500.00
5	Supply and delivery of following GI Pipes & specials as per IS Specifications and as amended from time to time etc., complete and as directed by TWAD Board Officers.							
a	50 mm GI Pipe	30	m	1239/PART I&II/2004 & as amended from time to time	1 M (one metre)	369.00	Rupees Three hundred and sixty nine only	11070.00
b	50mm GI Flangeset	10	Nos		1 No (One Number)	70.00	Rupees Seventy only	700.00
c	Rubber sheet-50mm GI Flangeset	10	Nos		1 No (One Number)	14.00	Rupees fourteen only	140.00

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1	2	3		4	5	6	7	8
6	Supply and delivery of the following DI S/S Specials conforming to IS 9523/2000 and as amended from time to time with ISI marking etc., complete and as directed by TWAD Board Officers.			IS 9523/2000 and as amended from time				
a	150X150X50mm dai DI TEE	45.40	KG		1KG (One Kilogram)	113.00	Rupees One hundred and Thirteen only)	5130.20
b	150mm dia DI A/S 22.5.degree Bend	30.10	KG		1KG (One Kilogram)	113.00	Rupees One hundred and Thirteen only)	3401.30
c	150mm dia DI A/S 45.degree Bend	36.20	KG		1KG (One Kilogram)	113.00	Rupees One hundred and Thirteen only)	4090.60
d	150mm dia DI A/S 90.degree Bend	45.00	KG		1KG (One Kilogram)	113.00	Rupees One hundred and Thirteen only)	5085.00
7	Jointing the DI S/S pipes and specials with Socket & Spigot ends (tyton rubber joints) including cost of jointing materials such as lubricants, rubber gaskets and testing to the required pressure including conveyance of water for filling during testing, labour charges and all other incidental charges etc., complete as per standard specifications and as directed by the TWAD Board officers.							
a	150 mm dia DI K7 S/S pipes	55	Nos	Special specification	1 No (One Number)	56.43	Rupees Fifty six and paise fourty three only	3103.65

Item No	Description of Work	Probable Quantity		TNBP No. & Other Specification	Unit (Both in words and figures)	Rates in		Amount in figures
		Qty	Unit			Figures	Words	
1	2	3		4	5	6	7	8
8	RCC 1:2:4 (one cement,two sand and four course aggregate) using 20 mm H.B.G stone excluding cost of centering and reinforcement but including cost of mixing ,placing and curing concrete etc complete for Thrust Block including centering centering charges.and as directed by the TWAD Board Officers.	2	Cum		1 Cum (One Cubic metre)	6292.81	Rupees Six thousand two hundred and ninety two and paise eighty one only	12585.62
	TOTAL						Rs.	544155.37

SCHEDULE - A 3

CWSS to Thanipadi-Thandrapattu and 35 other habitations in of Thiruvannamalai District Replacement of Electro Mechanical Items, Supply,delivery laying and Jointing of 150mm DI K7 S/S Pipes and valves and allied Civil Works. etc., complete – Period of Construction – 3 Months and Maintenance of the scheme (Free of cost) – 3 months.

Replacement of Valves

Item No	Description of Work	Probable Quantity		TNBP No. & Other Specification	Unit (Both in words and figures)	Rates in		Amount in figures
		Qty	Unit			Figures	Words	
1	2	3		4	5	6	7	8
1	Supply and delivery of following CI D/F SLUICE VALVE WITH CAP/ WHEEL AS PER IS 14846/2000 PN 1.0 WITH ISI MARKING			IS 14846/2000 PN 1.0 WITH ISI MARKING				
a	100mm SLUICE VALVE	2	Nos		1No (One Number)	6233.00	Rupees six thousand two hundred and thirty three only	12466.00
b	150mm SLUICE VALVE	2	Nos		1No (One Number)	9224.00	Rupees Nine thousandtwo hundred and twenty four only	18448.00
c	80 mm SLUICE VALVE	4	Nos		1No (One Number)	4472.00	Rupees Four thousand four hundred and seventy two only	17888.00
2	Supply and Delivery of DI D/F DI Non - Return Valve Manufacture, Slanted seat Swing Check Valve. Body of ductile cast iron GGG-40 or							
a	100mm DI NRV	2	Nos		1No (One Number)	12105.00	Rupees Twelve thousand one hundred and five only	24210.00
b	80mm DI NRV	2	Nos		1No (One Number)	14738.00	Rupees Fourteen thousand seven hundred and thirty eight only	29476.00

Item No	Description of Work	Probable Quantity		TNBP No. & Other Specification	Unit (Both in words and figures)	Rates in		Amount in figures
		Qty	Unit			Figures	Words	
1	2	3		4	5	6	7	8
c	150mm DI NRV	2	Nos		1No (One Number)	33312.00	Rupees Thirty three thousand three hundred and twelve only	66624.00
3	Supply and delivery of following C.I. DOUBLE AIR VALVE AS PER ISI 14845/2000			ISI 14845/2000				
a	50mm	3	Nos		1No (One Number)	4193.00	Rupees Four thousand one hundred and ninety three only	12579.00
b	80mm	5	Nos		1No (One Number)	7384.00	Rupees Seven thousand three hundredna deighty four only	36920.00
	TOTAL						Rs.	218611.00

SCHEDULE- A4

CWSS to Thanipadi-Thandrampattu and 35 other habitations in of Thiruvannamalai District Replacement of Electro Mechanical Items, Supply,delivery laying and Jointing of 150mm DI K7 S/S Pipes and valves and allied Civil Works. etc., complete – Period of Construction – 3 Months and Maintenance of the scheme (Free of cost) – 3 months.

MAINTENANCE OF THE SCHEME

Item No	Description of work	Probable Quantity		TNBP No. Other specification	Unit (Both in words and figures)	Rates in		Amount in figures
						Figures	Words	
1	2	3		4	5	6	7	8
1	Maintenance of the project for the specified period by necessary maintenance crew with supervisory staff and keeping necessary specials required for Pumping main /Connecting main/Pump room / Pumpsets /Electro Mechanical Items, etc. readily available to ensure uninterrupted water supply to the beneficiary including all cost towards spares, consumables, chemicals, repairs and renewal excluding cost of electrical energy payable to TNEB during maintenance period which can be got reimbursed by the Employer etc complete as directed by TWAD Board officers	3	Months	Special Specification.	1Month (One month)	0.00	Rupees Nil Only.	0.00
	Total						Rs.	0.00