GENERAL ABSTRACT

<u>Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part)</u>

<u>Panchayaths in Idukki District-Package V-Supply, erection, testing and commissioning of Raw</u>

water pump set ,Clear water pump sets

,Supply and installation of flow meters ,Electrical and allied works-General Civil Work

Sl No	Head Description		Amount
1	Supply and installation of flow meters at WTF	P compound	512833.55
2	Electrical and allied works		4599084.72
3	Supply erection, testing and commissioning of for CWPM from WTP to Kuruvilacity dischabead of 110 m.	centrifugal pump set arge of 25 lps for a	3711260.62
4	Supply erection, testing and commissioning of for CWPM from WTP to Swargamedu dischahead of 165 m.	centrifugal pump set arge of 9.5 lps for a	2277486.24
5	Supply erection, testing and commissioning of for CWPM from WTP to Jamespadi discharg of 140 m.		5724050.92
6	Supply erection, testing and commissioning of for CWPM from WTP to Poopara discharge of 146 m.	centrifugal pump set of 38 lps for a head of	7683034.86
7	Supply erection, testing and commissioning of turbine pump set at raw water pump house	of 55HP Vertical	3897620.53
8	Supply Erection ,testing and commissioning o crane at CW pump house	363805.03	
	Т	otal Estimation PAC	28769176.47
Sl No	Description	Percentage/LS	Amount
L	Lumsum Heading		
L.001	LS Amount for Electrification		
		@LS	6400000.00
	To	tal Lumsum Amount	6400000.00
С	Extra Charges		
C.001	Provision for GST		
	28769176.47	18.00%	5178451.76
		Grand Total	40347628.23
		Round off	2371.77
		Rounded Total(Rs)	40350000.00
	Rupees Four Crore Three Lakh Fifty Thousar	nd	

Approved By

Sajiv Retnakaran

(PEN:G13690), Chief Engineer



(Dsor year : 2018, Cost Índex (Place : Idukki, Value : 141.53), GST : 18%

DETAILED ESTIMATE

Jal Jeevan Mission (JJM)-WSS - to Santhanpara, Rajakumary (Part) and Senapathy (Part) Panchayaths in Idukki District-Package V-Supply, erection, testing and commissioning of Raw water pump set ,Clear water pump sets

,Supply and installation of flow meters ,Electrical and allied works-General Civil Work

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
1	Supply and installa	ation of fl	ow meters at	WTP comp	ound					
1.001	OD254483/2022-2	2023								
	Supplying 350mm electro- magnetic flow meter conforming to protection level of IF 68 for Flow Sensor and IP-67 for transmitter and having an accuracy level of 0.5% with LED/LCD display unit. The flow meter should have the housing(flow sensor) to be made of SS 304 Carbon Steel with anti corrosive protection and inside liner to be made up of Hard Rubber/Neoprene all conforming to drinking water standards. The flow meter should be coupled with HART for data acquisition and transfer with provision for wireless transfer through GSM. The manufacture should have the calibration standards as per ISO 17023 and the product shall have sufficient warranty provisions.									
	product shan have sufficient warranty provisions.									
		1.000					1.000			
	Total	1,000					1.000			
				To	tal Quantity	in 1 nos	1.000			
1.002	OD254489/2022-2023									
	Labour for cutting DI pipes 350mm Dia									
		2.000					2.000			
	Total						2.000			
					Total Quant	ity in no	2.000			
1.003	OD254492/2022-2023									
	Fabricating and fixing 350 mm MS flange									
		4.000					4.000			
	Total									
	Total Quantity in no									
1.004	OD254493/2022-2	2023								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	conveying and fix	ing 350 m	m mechanic	al flow meter	<u>r</u>				
		1.000					1.000		
	Total						1.000		
					Total Quant	ity in no	1.000		
1.005	OD254495/2022-2023								
	Supplying 250mm electro- magnetic flow meter conforming to protection lev 68 for Flow Sensor and IP-67 for transmitter and having an accuracy level of 0.5% v LED/LCD display unit. The flow meter should have the housing(flow sensor) to be made 304 Carbon Steel with anti corrosive protection and inside liner to be made up of Rubber/Neoprene all conforming to drinking water standards. The flow meter be coupled with HART for data acquisition and transfer with provision for wirel transfer through GSM. The manufacture should have the calibration standards as per 17023 and the product shall have sufficient warranty provisions 1.000 Total								
				To	tal Quantity	in 1 nos	1.000		
1.006	OD254516/2022-2								
	Labour for cutting	DI pipes	250mm D1a						
		2.000					2.000		
	Total	2.000					2.000		
	Total			ı	Total Quant	ity in no	2.000		
1.007	OD254504/2022-2	2023			- omi Yuuii	-vj III IIO	2,000		
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Fabricating and fixing 250 mm MS flange								
			•						
		4.000					4.000		
	Total						4.000		
	Total Quantity in no								
1.008	OD254508/2022-2	2023							
	conveying and fixing 250 mm mechanical flow meter								
		· · · · · · · · · · · · · · · · · · ·				Γ			
		1.000					1.000		
	Total						1.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
				ı	Total Quant	ity in no	1.000			
1.009	OD254521/2022-2023									
	Supplying a mechanical flow meter of WOLTMAN type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHEM RPG/ITRON make and the flowmeter shall be tested and certified by FCRI - Palakkad. Flow meter should be calibrated with physical measurement at site after installation. : 200 mm diameter									
		2.000					2.000			
	Total						2.000			
				1	Total Quant	ity in no	2.000			
1.010	OD254524/2022-2	2023								
	Labour for cutting DI pipes 200mm Dia									
				TALL.						
		2.000	4240				2.000			
	Total						2.000			
		N/			Total Quant	ity in no	2.000			
1.011	OD254510/2022-2	2023	e-PLATFOR	M FOR THE M	IANAGEMENT					
	Fabricating and fixing 200 mm MS flange									
		Г								
		4.000					4.000			
	Total						4.000			
				'	Total Quant	ity in no	4.000			
1.012	OD254511/2022-2023									
	conveying and fixing 200 mm mechanical flow meter									
		2 000					2.000			
	TD 4 1	2.000					2.000			
	Total				T. (1.0)	•.	2.000			
1.010	00054504/0000				Total Quant	ity in no	2.000			
1.013	OD254531/2022-2023 Supplying and fixing mechanical flow meter of WOLTMAN type confirming to ISO 4064 class B of ARAD/ZENNER/REYCHEM RPG/ITRON make and the flowmeter shall be tested and certified by FCRI - Palakkad. Flow meter should be calibrated with physical measurement at site after installation. : 150 mm diameter									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
		1.000					1.000			
	Total						1.000			
					Total Quant	ity in no	1.000			
1.014	OD254533/2022-2	2023								
	Labour for cutting	DI pipes	150mm Dia							
		ı								
		2.000					2.000			
	Total									
	Total Quantity in no 2.000									
1.015	015 OD254534/2022-2023									
	Fabricating and fixing 150 mm MS flange									
		4.000		W/L			4.000			
	Total		a diki				4.000			
			150		Total Quant	ity in no	4.000			
2	Electrical and alli	ed works								
2.001	OD112108/2023-2	2024								
	Supply of all materials and providing 11KV Double pole structure using 2nos. 175x85mm. ISMB joist of 9.5M height, 100x50mm. GI chanel cross arms, 1set 3 pole of 400A, 11KV gang operated AB switch with operating handles of required length, 1 set of 9.6KV,6KA Lightning Arrestors, 1 sets (3 nos) of 11KV, D.O fuses, Pin insulators, Disc insulators and inter connections of the above items using 8mm dia copper wire with proper copper sockets, including all associated civil works and painting of all structurers with two coats of zinchromate primer and aluminium paint etc. and earthing using 5 nos of 3m GI earthing pipes and inter connection complete as per standard construction practices approved by Kerala Electrical Inspectorate and relevant standards									
	11 KV Double Pol	e Structur	e							
		1.000					1.000			
	Total									
				,	Fotal Quant	ity in set	1.000			
2.002	OD254553/2022-2	0023								

OUTDOOR HT BREAKER PANEL (LBS) Supply, Installation, Testing & Description of 11kV Outdoor HT Panel with the following components. 11kV Load Break Swich 11kV, 350 MVA, 630A, LBS unit - 1 set Voltmeter (0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push buttons - 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set Seal off Bushings - 3 Nos Space Heater Element with Thermostat & Description Lamp LED with switch & Description of the Set Metering Chamber PT - 100 VA, 11kV/110V, CL 0.2S - 1 No CT - */5A, 15VA, CL 0.2S - 3 Nos	Breaker							
11kV Load Break Swich 11kV, 350 MVA, 630A, LBS unit - 1 set Voltmeter (0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push buttons - 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set Seal off Bushings - 3 Nos Space Heater Element with Thermostat & Description Lamp LED with switch & Description LED with Switch LED with Switch LED with LED with Switch LE								
1.000	1.000							
Total	1.000							
Total Quantity in set	1.000							
2.003 OD254554/2022-2023								
HT Bidirectional TOD Meter Supply & Description of the Supply & Su	ri vector optical port Wh, reactive inal							
1,000	1 000							
1.000 Total	1.000 1.000							
Total Quantity in set								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
2.004	OD254555/2022-2	2023				-				
	HT Equipment Pin Providing, fabricate wire with a framew 2400mm interval, periphery of the fet Galvanised. The rates escalation works a other miscallaneous in Charge.	ing and fivork of 50 Earthing and incing. The shall be and fabrica	xing 2m hig 0x50x6mm Nas per KSEI/ e MS frameve inclusive oution and asse	h chainlink f AS angle bet KSEB standa work for chai f all material embly works	encing over a ween vertical ards shall be inlink fencing ls, labour, leas including al	l posts of a done aroug shall be ad, lift etc I nuts, bol	ISMC 75 at and the Hot Dip including and			
		20.000					20.000			
	Total						20.000			
				Tot	al Quantity	in metre	20.000			
2.005	OD254558/2022-2023									
	HT Equipment Pinth, Substation Yard Fencing & Develling Supplying and filling the substation yard with 40mm size blue jelly of 150mm thick including cost and conveyance of all materials, labour charges etc complete.									
		5.000					5.000			
	Total						5.000			
			e-PLATFOR OF PUBLIC	M FOR THE M WORKS T	otal Quantit	y in cum	5.000			
2.006	OD254560/2022-2	2023								
	HT Equipment Pir Supply & Direction of the plinth including le 12 graded stone ag 1:6 (1 cement : 6 correction)	ction of R velling up gregate 2	andom rubb with cemen 0 mm nomin	le masonry w t concrete 1	with hard stor :6:12 (1 ceme	ent: 6 coa	rrse sand :			
		2.000					2.000			
	Total						2.000			
				To	otal Quantit	y in cum	2.000			
2.007	OD254561/2022-2	2023								
	OD254561/2022-2023 Transformer Supply, installation, testing and commissioning of one number 500 kVA, DYn11, 3Ph, 50Hz, 11/0.433 kV,ONAN cooled, copper wound outdoor distribution transformer with tappings from +5% to -10% in steps of 2.5% with OFTC. The HT side & DET Side shall have cable end box for XLPE cable. The transformer shall have suitable enclosure for The HT side & DET Side. The transformer shall be complete with all standard accessories and fittings & DET Side. The transformer shall be inclusive of all materials, lead, lift, first fill of oil, necessary civil works for mounting to the existing transformer foundation complete as per single line schematic diagram & DET SIDE SIDE SIDE SIDE SIDE SIDE SIDE SIDE									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	1.000											
	Total											
	Total Quantity in no											
2.008	OD254562/2022-2023											
	NEUTRAL CT Supply & Description Class 150/5A, 15VA Neutral CT in a suitable enclosure including giving connections to Transformer Neutral etc.complete											
		1.000					1.000 1.000					
	Total											
	Total Quantity in no											
2.009	OD254563/2022-2	2023	T. 8									



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
SI No	MSB for 500KVA Supply, fabrication compartmentalised falling to IP54 cate standards with Aludouble earth connesuitable chambers, standing panel conto conforming to I Incommer 800A FP Micropro Earth Fault Relay 800A TPN best of sleeves etc. as per RYB indicators (I Multifunction Dig kVARh Class 1.0 800/5A CL 1.0, 15 Outgoing: 250A FP Micropro 25	Transform, erectional, dust tiggery fabrication to a front operation of the conductivities of the conductiviti	mer n, testing and ht, vermin pricated out of Busbars of su all switches, i en, top cable the followin d-2 standards ased MCCB (ty Aluminium type) with 2 meter to reac ering CTs - 1 ased MCCB (er with potent on remote ind and one numb of following all voltage 230 all & amp; 50 kA (8/20 sec d to ground up o coats of Zir be firmly sup	commission oof, water proceed to grow a commission oof, water proceed to grow a commission oof, water procedured to grow a commission of the commission of t	ing of cubicle of 800A L'RCA Sheet Sharth bus of a connection atter proof sh dards (All shorts). The sharth shorts and togs are properly and togs are properly are shorts are properly arrest ding base elemental Discher for Neutral transfer and tound using shorts.	disconnect sters to content & and arge current to Earth, ed out of I wo coats outable central to Earth,	ly IV Panel ed as per apacity, ding free hall confirm shrinkable hes - 4 Set Wh, kVAh, tor & Camp; hencet ect hp; ent 30 kA Maximum MS Flats / of enamel hent		
	The Panel Board s Painting letters / ic sizes, etc., in white future extenstion b	dentificati e enamel _l	ons for the ir paint. The bo	coming and	outgoing sw	itches, cal	ole, fuse		
	MSB								
		1.000					1.000		
	Total						1.000		
	Total Quantity in no								
2.010	OD254564/2022-2	2023							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	SSB Supply, fabrication compartmentalised IP54 category fabr with Alumimium I connection to all s front open, top call of the following as 60947-2 standards Incoming: 250A(36KA) MC busbar with SMC Multifunction Dig kVARh Class 1.0 RYB indicators (I 100/5A CL 1.0, 15 Outgoings: 250A, 36kA FP M 160A, 36kA FP M 20A TP D curve M Supports The panel shall be Angles etc. painted paint. The framew concrete plinth. The Panel Board s Painting letters / ic sizes, etc., in white future extenstion by	I, dust tight icated out Busbars of witches, it ble entry was per stand). CB FP M supports, ital Panel - 1 Set LED Pilot WA Meter P MCCB (10k) supported with two ork shall be predentificative enamel propertion of the predentification of the pred	ht, vermin property of 16 SWG for suitable size the size of suitable size the size of the suitable size of the suitable size of the suitable size of the suitable size of the	coof, water p CRCA Shee e, earth bus of connection e oof shroudin vitches shall or based, TP ble sleeves et d V, A, F, PF 2A Control M Set using framew the Chromate oported to gro	oroof 200A Met Steel paints of adequate coetc. including g, free standictonfirm to coeff. We have to be the confirm to coeff. As per ISS F, kW, kVA, MCB and tog work fabricate primer and to cound using supper earth be outgoing sw	IV Panel ed as per sapacity, de as per sapacity, de grandle ing panel conforming uctivity A - 1 set kVAR, k' gle switch ed out of wo coats autable cerus for the itches, cal	falling to standards louble earth chambers, consisting g to IEC sluminium Wh, kVAh, nes - 1 Set MS Flats / of enamel ment full length. ble, fuse		
	SSB	1.000					1.000		
	WTP	1.000					1.000		
	Total 1.0								
	Total Quantity in set 1.000								
2.011	OD254565/2022-2	2023							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
51 100	Automatic Power Factor Correction Panel of total 85 KVAR capacity with Auto / Mannual mode operation to be fabricated out of 14 guage CRCA sheet steel Powder coated with provision for capacitor mounted inside the panel with adequate number of louvers and powder coated with approved shade and having following specific components(refer particular specification) with Alumimium Busbars of suitable size, earth bus of adequate capacity, double earth connection to all switches, internal rigid connection etc. including suitable chambers, front open, top cable entry, free standing panel consisting of the following as per standards. Incomer 200A TPN Isolator - 1 No. 200 A TPN best conductivity Aluminium busbar with SMC supports, heat shrinkable sleeves etc. as per ISS - 1set Multifunction Digital Panel meter to read V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh Class 1.0 - 1 Set RYB indicators (LED Pilot type) with 2A Control MCB and toggle switches- 1 Set 200/5A 15VA CL 1.0 Metering CTs - 3 Sets Microprocessor based intelligent, 8 step IPFC relay with PF display - 1 No. Out goings 63A, 10kA C Curve TP MCB - 1 Nos 16A, 10kA C Curve TP MCB - 6 Nos Capacitor duty contactors working on 3 Phase 415V AC supply of the following ratings wired with Pilot LED indication for ON & Contacts for all the stages 25 kVAr- 1 Nos 10 kVAr- 6 Nos 480 V,50 Hz Double di-electric polypropylene (MPP heavy duty) Capacitors of the following ratings including fixed compensation for low load losses									
	APFC 85KVAR				T					
		1.000					1.000			
	Total						1.000			
				ŗ	Fotal Quant	ity in set	1.000			
2.012	OD254566/2022-2023 Supply, installation, testing & Commissioning of best quality sheet steel, phosphatised and painted, dust and vermin proof enclosure (IP43) Vertical TPN Double door DB including copper bus bar, neutral link, earth bus and DIN rail suitable for fixing RCCB + Isolator (8 module)as incommer and SP/TP MCB as outgoings etc. on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing, dressing the DB including termination etc. as required. (Including closing vaccant slots using Dummy)									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Vertical TPN Dou	ble door I	DB -12 Way							
		1.000					1.000			
	Total						1.000			
				7	Total Quanti	ty in job	1.000			
2.013	OD254568/2022-2	.023				-				
	Supply and provid to the existing DBs using suitable Ban 63A, 100mA 3Ph	s / MCS / anna copj	Junction Bo	xes etc. inclu	iding giving	proper ter	s/COS etc. mination			
	63A, 100mA 3Ph RCCB									
		1.000					1.000			
	Total									
				I	Total Quant	ity in no	1.000			
2.014	OD254572/2022-2	.023	1	W/\						
	Supply and providing the following MCCB/RCCB / MCB / MCB Isolators/COS etc. to the existing DBs / MCS / Junction Boxes etc. including giving proper termination using suitable Bananna copper lugs, sleeves, insulation etc. complete. 63A, 4P MCB Isolator									
	63A 4P MCB Isolator									
		1.000	e-PLATEOR	M FOR THE M	ANAGEMENT		1.000			
	Total		OF PUBLIC	WORKS			1.000			
				ı	Total Quant	ity in no	1.000			
2.015	OD254573/2022-2023									
	Supply and provid to the existing DBs using suitable Ban 6A to 32A, 10kA	s / MCS / anna cop _l	Junction Bo	xes etc. inclu	iding giving	proper ter				
	6A to 32A , 10kA	SP MCB								
		36.000					36.000			
	Total						36.000			
					Total Quant	ity in no	36.000			
2.016	OD254574/2022-2	.023								
	HT Power Cables "Supply &ar conductors screened insulation screened compound in comb sheath of PVC tape, galvanized st following sizes in part II 1985 with la 3C x 300 Sqm	ed with ext d with ext oination v eel flat st the existin	truded semi cruded semi cruded semi crith copper tarrip armoured ag cable trendred	conducting conducting conducting ape (0.3 kA for a for	compound XI For 1 sec.), co PVC sheath	LPE insul ores laid u ed cable o	ated, p, inner			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	HT Power Cable	es - 3C x 3	00 Sqmm				
	3C X 300	25.000					25.000
	Total						25.000
				Tot	al Quantity	in metre	25.000
2.017	OD254575/2022-2	2023					
	"Supply &ar conductors screened insulation screened compound in comb sheath of PVC tape, galvanized st following sizes in part II 1985 with 1 3C x 150 Sqm	ed with ext d with ext bination w teel flat str the existir atest amer	truded semi cruded semi cruded semi crith copper taring armoured ag cable trend adments. & qu	conducting conducting appe (0.3 kA for and overall conforming conf	compound XI for 1 sec.), co	LPE insul res laid up ed cable o	ated, p, inner
	HT Power Cables		Sqmm	W/_			25,000
	Total	25.000	THE REAL PROPERTY.	ĐÃI.			25.000
	10tai		(1)	Total	al O a 4:4		25.000
2.010	OD254578/2022-2	2022		100	al Quantity	m metre	25.000
	HT Cable Termina "Supplying a kit, including lugs	and makin	g Outdoor c	able end join	ting with he	at shrinka	ble jointing
		and makin and erials, for	OF PUBLIC	WORKS			
	"Supplying a kit, including lugs other jointing mate 11 KV grade as required.a 3C x 150 Sqmm	and makin and erials, for "	for following	WORKS			
	"Supplying a kit, including lugs other jointing mate 11 KV grade as required.	and makin and erials, for "	for following	WORKS			
	"Supplying a kit, including lugs other jointing mate 11 KV grade as required.a 3C x 150 Sqmm	and makin and erials, for " tion 3C x	for following	WORKS			r cable of
	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina	and makin and erials, for " tion 3C x	for following	g sizes, XLP		conducto	2.000
2.019	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina	and makin and erials, for " tion 3C x 2.000	for following	g sizes, XLP	E aluminium	conducto	2.000 2.000
2.019	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina Total	and making and erials, for and serials, for a serials and making and erials, for a serials, for and making and erials, for a serials and s	for following 150 Sqmm	g sizes, XLPl	E aluminium Fotal Quantiting with he	ity in set	2.000 2.000 2.000 ble jointing
2.019	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina Total OD254586/2022-2 HT Cable Termina "Supplying a kit, including lugs other jointing mate 11 KV grade as required.	and making and erials, for and serials, for a serials and a serials and making and erials, for a serials and seria	for following 150 Sqmm g Outdoor co	g sizes, XLPl	E aluminium Fotal Quantiting with he	ity in set	2.000 2.000 2.000 ble jointing
2.019	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina Total OD254586/2022-2 HT Cable Termina "Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 300 Sqmm	and making and erials, for and serials, for a serials and a serials and making and erials, for a serials and seria	for following 150 Sqmm g Outdoor co	g sizes, XLPl	E aluminium Fotal Quantiting with he	ity in set	2.000 2.000 2.000 ble jointing
2.019	"Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina Total OD254586/2022-2 HT Cable Termina "Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 300 Sqmm	and making and erials, for and to a sequent; tion 3C x 2.000 and making and erials, for a sequent; tion 3C x tion 3C x	for following 150 Sqmm g Outdoor co	g sizes, XLPl	E aluminium Fotal Quantiting with he	ity in set	2.000 2.000 2.000 ble jointing r cable of
2.019	kit, including lugs other jointing mate 11 KV grade as required. 3C x 150 Sqmm HT cable Termina Total OD254586/2022-2 HT Cable Termina "Supplying a kit, including lugs other jointing mate 11 KV grade as required. 3C x 300 Sqmm HT cable Termina	and making and erials, for and to a sequent; tion 3C x 2.000 and making and erials, for a sequent; tion 3C x tion 3C x	for following 150 Sqmm g Outdoor co	able end join	E aluminium Fotal Quantiting with he	ity in set at shrinka	2.000 2.000 2.000 2.000 2.000 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 4C x 400 Sqmm	ed power o					
	LT Power Cables	4C x 400	mm2				
		50.000					50.000
	Total						50.000
				Tota	al Quantity i	in metre	50.000
2.021	OD254591/2022-2	2023					
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 3.5C x 185 Sqmm	ed power og.	cable of 1.1 l				
	LT Power Cables	3.5C x 18	35 mm2				
		25.000	16 ID	MAIN			25.000
	Total						25.000
	Total						
	Total			Tota	al Quantity i	in metre	25.000
2.022	OD254592/2022-2	2023	P			in metre	25.000
2.022	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ed Alumi	nium
2.022	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ed Alumi	nium
2.022	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ed Alumi	nium h 40.000
2.022	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ed Alumi	nium h
2.022	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 3.5C x 50 Sqmm LT Power Cables	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and KV grade of	l PVC sheath	ed Alumi es throug	nium h 40.000 40.000
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 3.5C x 50 Sqmm LT Power Cables	ing UG A ed power og. 3.5C x 50 40.000	2XFY,PVC cable of 1.1 l	insulated and KV grade of	AMAGEMENT I PVC sheath following siz	ed Alumi es throug	nium h 40.000 40.000
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm LT Power Cables Total	ing UG A ed power of g. 3.5C x 50 40.000 2023 ing UG A ed power of	2XFY,PVC cable of 1.1 l	insulated and KV grade of Total	I PVC sheath following size al Quantity in IPVC sheath	in metre	nium h 40.000 40.000 40.000
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm LT Power Cables Total OD254599/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling	ing UG A ed power of g. 3.5C x 50 40.000 2023 ing UG A ed power of g.	2XFY,PVC cable of 1.1 l	insulated and KV grade of Total	I PVC sheath following size al Quantity in IPVC sheath	in metre	nium h 40.000 40.000 40.000
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm LT Power Cables Total OD254599/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 35 Sqmm	ing UG A ed power of g. 3.5C x 50 40.000 2023 ing UG A ed power of g.	2XFY,PVC cable of 1.1 l	insulated and KV grade of Total	I PVC sheath following size al Quantity in IPVC sheath	in metre	nium h 40.000 40.000 40.000
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 50 Sqmm LT Power Cables Total OD254599/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3.5C x 35 Sqmm	ing UG A ed power of g. 3.5C x 50 40.000 2023 ing UG A ed power of g. 3.5C x 35	2XFY,PVC cable of 1.1 l	insulated and KV grade of Total	I PVC sheath following size al Quantity in IPVC sheath	in metre	40.000 40.000 40.000 nium
	OD254592/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 3.5C x 50 Sqmm LT Power Cables Total OD254599/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceiling 3.5C x 35 Sqmm LT Power Cables	ing UG A ed power of g. 3.5C x 50 40.000 2023 ing UG A ed power of g. 3.5C x 35	2XFY,PVC cable of 1.1 l	insulated and KV grade of Total	I PVC sheath following size al Quantity in IPVC sheath	in metre	10.000 40.000 40.000 10.000 10.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	LT Power Cables Supply & Damp; lay conductor armourd trench/wall/ceilin 4C x 16 Sqmm	ed power o					
	LT Power Cables	4C x 16 n	nm2				
		30.000					30.000
	Total						30.000
				Tot	al Quantity i	in metre	30.000
2.025	OD254595/2022-2	2023					
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceilin 4C x 6 Sqmm	ed power og.	cable of 1.1 l				
	LT Power Cables		<u>n2</u>	100 A			
		35.000	(6.10)	320DM			35.000
	Total			and the second			35.000
				Tot	al Quantity	in metre	35.000
2.026	OD254597/2022-2	2023	COLATEON	< I L		in metre	35.000
2.026	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 4C x 4 Sqmm	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ned Alumi	nium
2.026	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceilin	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ned Alumi	nium h
2.026	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 4C x 4 Sqmm	ing UG A ed power og.	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ned Alumi	nium h
2.026	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 4C x 4 Sqmm	ing UG A ed power og. 4C x 4 mr	2XFY,PVC cable of 1.1 l	insulated and	l PVC sheath	ned Alumi	nium h 110.000
2.026	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceilin 4C x 4 Sqmm LT Power Cables	ing UG A ed power og. 4C x 4 mr	2XFY,PVC cable of 1.1 l	insulated and KV grade of	l PVC sheath	ned Alumi ves throug	nium h 110.000 110.000
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ceilin 4C x 4 Sqmm LT Power Cables	ing UG A ed power og. 4C x 4 mr 110.00 0	2XFY,PVC cable of 1.1 l	insulated and KV grade of	l PVC sheath following siz	ned Alumi ves throug	nium h 110.000 110.000
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 4C x 4 Sqmm LT Power Cables Total	ing UG A ed power of g. 4C x 4 mr 110.00 0	2XFY,PVC cable of 1.1 l m2 2XFY,PVC	insulated and KV grade of Tot	I PVC sheath following size al Quantity	in metre	nium h 110.000 110.000 110.000
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 4C x 4 Sqmm LT Power Cables Total OD254593/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin	ing UG A ed power of g. 4C x 4 mr 110.00 0	2XFY,PVC cable of 1.1 l m2 2XFY,PVC cable of 1.1 l	insulated and KV grade of Tot	I PVC sheath following size al Quantity	in metre	nium h 110.000 110.000 110.000
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 4C x 4 Sqmm LT Power Cables Total OD254593/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3C x 35 Sqmm	ing UG A ed power of g. 4C x 4 mr 110.00 0	2XFY,PVC cable of 1.1 l m2 2XFY,PVC cable of 1.1 l	insulated and KV grade of Tot	I PVC sheath following size al Quantity	in metre	110.000 110.000 110.000
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 4C x 4 Sqmm LT Power Cables Total OD254593/2022-2 LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceiling 3C x 35 Sqmm	ing UG A ed power of g. 4C x 4 mr 110.00 0 2023 ing UG A ed power of g. 3C x 35 m	2XFY,PVC cable of 1.1 l m2 2XFY,PVC cable of 1.1 l	insulated and KV grade of Tot	I PVC sheath following size al Quantity	in metre	110.000 110.000 110.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 3C x 25 Sqmm	ed power o					
	LT Power Cables	3C x 25 m	nm2				
		100.00					100.000
	Total						100.000
				Tot	al Quantity	in metre	100.000
2.029	OD254606/2022-2	2023					
	Supply & Sup	ed power og.	cable of 1.1				
		50.000	1948				50.000
	Total						50.000
				Tot	al Quantity	in metre	50.000
2.030	OD254607/2022-2	2023	e-DLATEOS	M EOD THE M	ANAGEMENT		
	LT Power Cables Supply & Damp; lay conductor armourd trench/wall/ceilin 3C x 6 Sqmm	ed power o					
	LT Power Cables	3C x 6 mr	m2	_			
		45.000					45.000
	Total						45.000
				Tot	al Quantity	in metre	45.000
2.031	OD254608/2022-2	2023					
	LT Power Cables Supply & Damp; lay conductor armoure trench/wall/ ceilin 3C x 4 Sqmm	ed power o					
	LT Power Cables	3C x 4 mr	m2				
		180.00					180.000
	Total						180.000
				Tot	al Quantity	in metre	180.000
							1001000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply & Damp; lay armoured Power / trench/wall/ ceiling 4C x 2.5 Sqmm	Control ca	KFY,PVC in able of 1.1 K	sulated and I V grade of t	PVC sheathed he following	d Copper of sizes thro	conductor ough
	LT Power Cables	4C x 2.5 n	nm2				
		50.000					50.000
	Total						50.000
				Tot	al Quantity	in metre	50.000
2.033	OD254611/2022-2	2023				_	
	Supplying and malugs for following conductor cable of 3.5C x 185 Sqmm	size of PV 1.1 KV g	C insulated	and PVC sh	mpression glaceathed / XLP	and and al E alumini	luminium ium
		2.000	Л	W/\			2.000
	Total	2.000	0.000	57A			2.000
	1 0 0 0 1		400	i i i i i i	Total Quanti	ty in ioh	2.000
	OD254612/2022 C	1022	7135		otal Qualiti	ty III job	2.000
2.034	OD254612/2022-2 Supplying and mallugs for following	king end to	C insulated	and PVC sh	mpression gla eathed / XLP	and and al E alumini	uminium ium
2.034	Supplying and mal	king end to size of PV 1.1 KV g	C insulated	and PVC sh	mpression gla eathed / XLP	and and al E alumini	ium
2.034	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm	king end to	C insulated	and PVC sh	mpression gla	and and al E alumini	2.000
2.034	Supplying and malugs for following conductor cable of	king end to size of PV 1.1 KV g	C insulated	and PVC sh	mpression gla eathed / XLP	and and al E alumini	ium
2.034	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm	king end to size of PV 1.1 KV g	C insulated	and PVC sh ired.	mpression glaeathed / XLP	E alumini	2.000
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm	king end to size of PV 1.1 KV g 2.000	C insulated	and PVC sh ired.	eathed / XLP	E alumini	2.000 2.000
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm. Total	king end to size of PV 1.1 KV g 2.000 2.000 king end to size of PV	C insulated rade as requermination v	and PVC shired. To the state of the state o	Cotal Quanti	ty in job	2.000 2.000 2.000
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of	king end to size of PV 1.1 KV g 2.000 2.000 king end to size of PV	C insulated rade as requermination v	and PVC shired. To the state of the state o	Cotal Quanti	ty in job	2.000 2.000 2.000
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of	king end to size of PV 1.1 KV g 2.000 2.000 king end to size of PV	C insulated rade as requermination v	and PVC shired. To the state of the state o	Cotal Quanti	ty in job	2.000 2.000 2.000 uminium
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of	king end to size of PV 1.1 KV g 2.000 2023 king end to size of PV	C insulated rade as requermination v	and PVC shired. To the state of the state o	Cotal Quanti	ty in job	2.000 2.000 2.000
	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of 3.5C x 35 Sqmm .	king end to size of PV 1.1 KV g 2.000 2023 king end to size of PV	C insulated rade as requermination v	and PVC shired. vith brass co and PVC shired.	Cotal Quanti	ty in job	2.000 2.000 2.000 2.000
2.035	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of 3.5C x 35 Sqmm .	2.000 2.000 2.000 2.000	C insulated rade as requermination v	and PVC shired. vith brass co and PVC shired.	Cotal Quanti	ty in job	2.000 2.000 2.000 2.000 2.000 2.000
2.035	Supplying and malugs for following conductor cable of 3.5C x 50 Sqmm Total OD254613/2022-2 Supplying and malugs for following conductor cable of 3.5C x 35 Sqmm Total Total	2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000	ermination v/C insulated rade as requermination v/C insulated rade as requermination v/C insulated	and PVC shired. 7 vith brass co and PVC shired. vith brass co and PVC shired.	Cotal Quanti mpression glaeathed / XLP Cotal Quanti mpression glaeathed / XLP	ty in job and and alle aluminicates aluminicates aluminicates aluminicates and and alle and and alle and and alle and and alle aluminicates alumini	2.000 2.000 2.000 2.000 2.000 2.000 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
		30.000					30.000
	Total						30.000
				7	Total Quanti	ity in job	30.000
2.037	OD254615/2022-2	2023					
	Supplying and malugs for following conductor cable of 4C x 6 Sqmm	size of PV	VC insulated	and PVC sh			
		2.000					2.000
	Total						2.000
				7	Total Quanti	ity in job	2.000
2.038	OD254616/2022-2	2023					
	Supplying and malugs for following conductor cable of 4C x 4 Sqmm	size of PV	VC insulated	and PVC sh			
		4					
		10.000		< 11			
	Total	10.000	CE DUDI IC	M EOD THE N	ANAGEMENT		10.000
			OF PUBLIC	WORKS THE N	Γotal Quanti	ity in job	10.000
2.039	OD254619/2022-2	2023			-		10.000 10.000
2.039		2023 king end t	ermination v	with brass co	mpression gl	and and a	10.000 10.000 luminium
2.039	OD254619/2022-2 Supplying and malugs for following conductor cable of	2023 king end t	ermination v	with brass co	mpression gl	and and a	10.000 10.000 luminium
2.039	OD254619/2022-2 Supplying and malugs for following conductor cable of	2023 king end t	ermination v	with brass co	mpression gl	and and a	10.000 10.000 luminium ium
2.039	OD254619/2022-2 Supplying and malugs for following conductor cable of	2023 king end t size of PV f 1.1 KV g	ermination v	with brass co	mpression gl	and and a	10.000 10.000 luminium ium
2.039	OD254619/2022-2 Supplying and ma lugs for following conductor cable of 3C x 35 Sqmm	2023 king end t size of PV f 1.1 KV g	ermination v	with brass co and PVC sh ired.	mpression gl	and and a PE alumin	10.000 10.000 luminium ium 2.000 2.000
2.039	OD254619/2022-2 Supplying and malugs for following conductor cable of 3C x 35 Sqmm . Total	2023 king end t size of PV f 1.1 KV g	ermination v	with brass co and PVC sh ired.	mpression gl eathed / XLF	and and a PE alumin	10.000 10.000 luminium ium 2.000 2.000
	OD254619/2022-2 Supplying and malugs for following conductor cable of 3C x 35 Sqmm . Total	2023 king end t size of PV 2.000 2023 king end t size of PV	ermination vVC insulated grade as requested as requested as requested as remination vVC insulated	with brass co and PVC sh ired.	mpression gl eathed / XLF Fotal Quanti mpression gl	and and a PE alumin Ity in job and and a	10.000 10.000 luminium 2.000 2.000 2.000
	OD254619/2022-2 Supplying and malugs for following conductor cable of 3C x 35 Sqmm Total OD254620/2022-2 Supplying and malugs for following conductor cable of	2023 king end t size of PV 2.000 2023 king end t size of PV 51.1 KV g	ermination vVC insulated grade as requested as requested as requested as remination vVC insulated	with brass co and PVC sh ired.	mpression gl eathed / XLF Fotal Quanti mpression gl	and and a PE alumin Ity in job and and a	10.000 10.000 luminium 2.000 2.000 2.000
	OD254619/2022-2 Supplying and ma lugs for following conductor cable of 3C x 35 Sqmm Total OD254620/2022-2 Supplying and ma lugs for following conductor cable of 3C x 25 Sqmm .	2023 king end t size of PV 2.000 2023 king end t size of PV	ermination vVC insulated grade as requested as requested as requested as remination vVC insulated	with brass co and PVC sh ired.	mpression gl eathed / XLF Fotal Quanti mpression gl	and and a PE alumin Ity in job and and a	2.000 2.000 2.000 luminium ium 8.000
	OD254619/2022-2 Supplying and malugs for following conductor cable of 3C x 35 Sqmm Total OD254620/2022-2 Supplying and malugs for following conductor cable of	2023 king end t size of PV 2.000 2023 king end t size of PV 51.1 KV g	ermination vVC insulated grade as requested as requested as requested as remination vVC insulated	with brass co and PVC sh ired.	mpression gl eathed / XLF Fotal Quanti mpression gl	and and a PE alumin Ity in job and and a	2.000 2.000 2.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supplying and mallugs for following conductor cable of 3C x 16 Sqmm	size of PV	C insulated	and PVC sh	mpression gla eathed / XLP	and and al E alumini	uminium um
		4.000					4.000
	Total						4.000
				7	Total Quanti	ty in job	4.000
2.042	OD254622/2022-2	2023					
	Supplying and malugs for following conductor cable of 3C x 6 Sqmm	size of PV	C insulated	and PVC sh	mpression gla eathed / XLP	and and al E alumini	uminium um
		4 000		tar?			4 000
	Total	4.000	0.58				4.000 4.000
			1. 0. 1.45.1				4.000
	Total		428	1	Total Quanti	ty in ioh	4 000
2.043	OD254623/2022-2			316	otal Quanti		4.000
2.043		king end t size of PV f 1.1 KV g	C insulated	with brass cor and PVC sh	mpression gla	and and al	uminium um
2.043	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm	king end t size of PV	C insulated	with brass cor and PVC sh	mpression gla	and and al	uminium um
2.043	OD254623/2022-2 Supplying and malugs for following conductor cable of	king end t size of PV f 1.1 KV g	C insulated	with brass cor and PVC sh	mpression gla	and and al	uminium um
2.043	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm	king end t size of PV f 1.1 KV g	C insulated	vith brass coand PVC shired.	mpression gla	and and al E alumini	uminium um
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm	king end t size of PV f 1.1 KV g	C insulated	vith brass coand PVC shired.	mpression gla	and and al E alumini	uminium um 16.000 16.000
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm . Total	king end t size of PV f 1.1 KV g 16.000 2023 king end t of PVC in	C insulated grade as required ermination valued and	vith brass corand PVC shired.	mpression glaeathed / XLP	and and all E alumini	16.000 16.000 16.000 ppper lugs
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm Total OD254624/2022-2 Supplying and mafor following size of 1.1 KV grade as	king end t size of PV f 1.1 KV g 16.000 2023 king end t of PVC in	C insulated grade as required ermination valued and	vith brass corand PVC shired.	mpression glaeathed / XLP	and and all E alumini	16.000 16.000 16.000 ppper lugs
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm Total OD254624/2022-2 Supplying and mafor following size of 1.1 KV grade as	king end t size of PV f 1.1 KV g 16.000 2023 king end t of PVC in	C insulated grade as required ermination valued and	vith brass corand PVC shired.	mpression glaeathed / XLP	and and all E alumini	16.000 16.000 16.000 ppper lugs
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm Total OD254624/2022-2 Supplying and mafor following size of 1.1 KV grade as	king end t size of PV f 1.1 KV g 16.000 2023 king end t of PVC in	C insulated grade as required ermination valued and	vith brass corand PVC shired.	mpression glaeathed / XLP	and and all E alumini	16.000 16.000 16.000 ppper lugs
	OD254623/2022-2 Supplying and malugs for following conductor cable of 3C x 4 Sqmm Total OD254624/2022-2 Supplying and malfor following size of 1.1 KV grade as 4C x 2.5 Sqmm .	king end t size of PV f 1.1 KV g 16.000 2023 king end t of PVC in	C insulated grade as required ermination valued and	vith brass corand PVC shired. The vith brass corange PVC sheather and PVC	mpression glaeathed / XLP	and and all E alumini ty in job and and coppercondu	16.000 16.000 16.000 Description of the control of

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply & Damp; drasheathed Copper condugrade PVC compoworking voltage upcapping wall. 3C x 0.5 Sqmm	onductor ctor as pe und as pe	round flexib r IS 8130/19 r IS 5831/19	le wire manu 84 Insulated 84 generally	factured with and sheathed conforming	h bright ar d with elec to IS 694/	nnealed ctrical 1990 for
	Copper Cables 30	C x 0.5 m	m2				
		100.00					100.000
	Total	U					100.000
				Tot	al Quantity	in metre	100.000
2.046	OD254632/2022-2	2023			ar Quartery		200,000
	grade PVC compo working voltage us capping wall. 3C x 1.5 Sqmm Copper Cables 3C	p to and in	ncluding 110	00 V through	existing PV	C conduit	/ casing
		0	e-PLATFOR	M FOR THE N	ANAGEMENT		100.000
	Total	0	e-PLATFOR or PUBLIC	WORKS			100.000
2.047			e-PLATFOR OF PUBLIC	WORKS	al Quantity	in metre	100.000 100.000 100.000
2.047	Total OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm	2023 ing the fog to IS 95	llowing size	Tot	al Quantity	conduits	100.000 100.000
2.047	OD254633/2022-2 Supply and provid specials confirmin damages made etc	2023 ing the fo g to IS 95 .complete thick	llowing size	Tot	al Quantity	conduits	100.000 100.000
2.047	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm	ing the fog to IS 95.complete thick	llowing size	Tot	al Quantity	conduits	100.000 100.000 with g good the
2.047	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm	2023 ing the fo g to IS 95 .complete thick	llowing size	Tot	al Quantity	conduits	100.000 100.000 with g good the
2.047	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm 20 mm PVC condu	ing the fog to IS 95.complete thick	llowing size 37/1983 on	of ISI Marke surface / con	al Quantity ed rigid PVC cealed positi	conduits on making	100.000 100.000 with g good the 400.000
	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm 20 mm PVC condu	ing the fog to IS 95.complete thick	llowing size 37/1983 on	of ISI Marke surface / con	al Quantity	conduits on making	100.000 100.000 with g good the 400.000
	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm 20 mm PVC condu	ing the fog to IS 95.complete thick ait 400.00 0	llowing size 37/1983 on size 37/1983 on size	of ISI Marks	al Quantity ed rigid PVC cealed position al Quantity	conduits on making in metre	100.000 100.000 with g good the 400.000 400.000
	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm 20 mm PVC condu Total OD254634/2022-2 Supply and provid specials confirmin damages made etc	ing the fog to IS 95. complete thick ait 400.00 0	llowing size 37/1983 on size 37/1983 on size	of ISI Marks	al Quantity ed rigid PVC cealed position al Quantity	conduits on making in metre	100.000 100.000 with g good the 400.000 400.000
	OD254633/2022-2 Supply and provid specials confirmin damages made etc 20mm dia 1.5mm 20 mm PVC condu Total OD254634/2022-2 Supply and provid specials confirmin damages made etc 25mm dia 1.5mm	ing the fog to IS 95. complete thick ait 400.00 0	llowing size 37/1983 on size 37/1983 on size	of ISI Marks	al Quantity ed rigid PVC cealed position al Quantity	conduits on making in metre	100.000 100.000 with g good the 400.000 400.000

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
				Tot	al Quantity	in metre	300.000
2.049	OD254635/2022-2	2023					
	Supply and provid specials confirmin damages made etc 32mm dia 1.5mm	g to IS 953 complete.	37/1983 on s				
	32 mm PVC cond	uit					
		150.00					150.000
	Total						150.000
				Tot	al Quantity	in metre	150.000
2.050	OD254638/2022-2	2023					
	Supply & amp; pro 20 mm	oviding Ca	pping / Casi	ng of good q	uality of the	following	sizes.
		100.00					100.000
	Total						100.000
	10001			Tota	al Quantity	in metre	100.000
2.051	OD254640/2022-2	2023	- 01 17000				
	Supply & amp; pro 25 mm	oviding Ca	pping / Casii	ng of good q	uality of the	following	sizes.
		100.00					100.000
	Total	<u> </u>					100.000
				Tota	al Quantity	in metre	100.000
2.052	OD254643/2022-2	2023					
	UG Cable Tamper "Providing, complete with G.I. fittings in 50 mm	laying and	fixing follo				_
	Tamper protection	50mm Gl				<u> </u>	
		20.000					20.000
	Total						20.000
				Tota	al Quantity	in metre	20.00

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	"Providing, complete with G.I. fittings in 80 mm						
	Tamper protection	80mm G	[
		20.000					20.000
	Total						20.000
				Tota	al Quantity i	n metre	20.000
2.054	OD254651/2022-2 "Providing, complete with G.I. fittings in 100 mm	laying and	<u> </u>	C		ŕ	
	Tamper protection	100mm (GI				
		20.000		w/\			20.000
	Total			5/A)			20.000
				Tota	al Quantity i	n metre	20.000
2.055	OD254652/2022-2 Circuit Mains		P	5 16	Œ		
2.055	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit	submain ted copper	conductor, sed.	with earth w			
2.055	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1	submain ted copper as require X 4 sq. mi	conductor, sed. n earth wire	with earth w single core ca			
2.055	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit	submain ted copper as require X 4 sq. mi	conductor, sed. n earth wire	with earth w single core ca			
2.055	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1	submain ted copper as require X 4 sq. min + 1 150.00	conductor, sed. n earth wire	with earth w single core ca			ed medium
2.055	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq	submain ted copper as require X 4 sq. min + 1 150.00	conductor, sed. n earth wire	with earth w single core ca earth wire		e/ recesse	150.000
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq Total OD254653/2022-2 Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit	submain sted copper tas require X 4 sq. min 150.00 0	wiring along conductor, sed.	with earth wingle core care earth wire Tota	al Quantity i	n metre	150.000 150.000 150.000
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq Total OD254653/2022-2 Circuit Mains Wiring for circuit/ FRLS PVC insular	/ submain sted copper t as require X 4 sq. min + 1 150.00 0	wiring along conductor, sed. wiring along conductor, sed. mm earth v	with earth wingle core care earth wire Tota with earth wingle core care care wire	al Quantity i	n metre	150.000 150.000 150.000
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq Total OD254653/2022-2 Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 2.5 sq. mm +	/ submain sted copper t as require X 4 sq. min + 1 150.00 0	wiring along conductor, sed. wiring along conductor, sed. mm earth v	with earth wingle core care earth wire Tota with earth wingle core care care wire	al Quantity i	n metre	150.000 150.000 150.000
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq Total OD254653/2022-2 Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 2.5 sq. mm +	submain ted copper tas require X 4 sq. min + 1 150.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	wiring along conductor, sed. wiring along conductor, sed. mm earth v	with earth wingle core care earth wire Tota with earth wingle core care care wire	al Quantity i	n metre	150.000 150.000 150.000 sizes of ed medium
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 4 sq. mm + 1 Sub main 2 X 4 sq Total OD254653/2022-2 Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 2.5 sq. mm + Sub main 2 X 2.5	submain ted copper tas require X 4 sq. min + 1 150.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	wiring along conductor, sed. wiring along conductor, sed. mm earth v	with earth with earth wire Tota with earth wire with earth with earth wire wire nm earth wire	al Quantity i	n metre ollowing	150.000 150.000 150.000 sizes of ed medium

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Circuit Mains Wiring for circuit/ FRLS PVC insular class PVC conduit 2 X 1.5 sq. mm +	ted copper as require	conductor, ed.	single core c			
		Г					
		500.00					500.000
	Total	- 1					500.000
				Tot	al Quantity	in metre	500.000
2.058	OD254656/2022-2	2023				<u> </u>	
	M.S. cable trays w with connectors, s & mp; nuts, paints 150 mm width X 5	uspended ing suspen	from the ceil ders etc as r	ling with M.S equired			
		50.000	E-10				50.000
	Total						50.000
		100		Tot	al Quantity	in metre	50.000
2.059	OD254657/2022-2	2023	e-PLATFOR	Tot	al Quantity	in metre	50.000
2.059	OD254657/2022-2 Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, paints 300 mm width X 5	talling foll with performuspended ing suspen	ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.9 equired	painted with %, in conven	powder c	oating ons, joined
2.059	Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti	talling foll with perform uspended ing suspended ing mm dep	ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.9 equired	painted with %, in conven	powder c	oating ons, joined g bolts
2.059	Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, paint 300 mm width X 5	talling foll with performuspended ing suspen	ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.9 equired	painted with %, in conven	powder c	oating ons, joined g bolts
2.059	Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti	talling foll with perform uspended ing suspended ing mm dep	ation not mo from the ceil ders etc as r	of perforated ore than 17.59 ling with M.S equired n thickness	painted with %, in convens S. suspenders	powder cient sections including	oating ons, joined g bolts 50.000 50.000
	Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, paint 300 mm width X 5	talling foll vith performuspended ing suspended ing suspended 50 mm dep	ation not mo from the ceil ders etc as r	of perforated ore than 17.59 ling with M.S equired n thickness	painted with %, in conven	powder cient sections including	oating ons, joined g bolts
	Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, painti 300 mm width X 5	talling followith performuspended ing suspension mm dep 50.000 2023 talling followith performuspended ing suspension suspension me suspension talling followith performuspended ing suspension talling followith performuspension talling followith talling followith performuspension talling followith talling fol	ation not mo from the ceil ders etc as r oth X 1.6 mm lowing size of ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.S equired n thickness Tot of perforated re than 17.59 ling with M.S equired	painted with %, in convenses. suspenders al Quantity painted with %, in convenses	powder coient sections including	50.000 50.000 50.000 coating ons, joined
	Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti 300 mm width X 5 . Total OD254658/2022-2 Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti	talling foll vith performuspended ing suspended ing suspended 50 mm dep 2023 talling foll vith performuspended ing suspended ing suspended	ation not mo from the ceil ders etc as r oth X 1.6 mm lowing size of ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.S equired n thickness Tot of perforated re than 17.59 ling with M.S equired	painted with %, in convenses. suspenders al Quantity painted with %, in convenses	powder coient sections including	50.000 50.000 50.000 coating ons, joined g bolts
	Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, painti 300 mm width X 5. Total OD254658/2022-2 Supplying and inst M.S. cable trays w with connectors, s & amp; nuts, painti 600 mm width X 5.	talling followith performuspended ing suspension mm dep 50.000 2023 talling followith performuspended ing suspension suspension me suspension talling followith performuspended ing suspension talling followith performuspension talling followith talling followith performuspension talling followith talling fol	ation not mo from the ceil ders etc as r oth X 1.6 mm lowing size of ation not mo from the ceil ders etc as r	of perforated re than 17.59 ling with M.S equired n thickness Tot of perforated re than 17.59 ling with M.S equired	painted with %, in convenses. suspenders al Quantity painted with %, in convenses	powder coient sections including	50.000 50.000 50.000 coating ons, joined g bolts 30.000
	Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti 300 mm width X 5 . Total OD254658/2022-2 Supplying and inst M.S. cable trays w with connectors, s & mp; nuts, painti	talling foll vith performuspended ing suspended ing suspended 50 mm dep 2023 talling foll vith performuspended ing suspended ing suspended	ation not mo from the ceil ders etc as r oth X 1.6 mm lowing size of ation not mo from the ceil ders etc as r	Tot of perforated re than 17.59 ling with M.3 equired n thickness Tot of perforated re than 17.59 ling with M.3 equired thickness	painted with %, in convenses. suspenders al Quantity painted with %, in convenses	in metre powder control in metre powder control in section in cluding	50.000 50.000 50.000 coating ons, joined gbolts

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Laying of one num KV grade of follow protective covering Above 120 sq. mm	wing size og and refil	direct in grou ling the tren	und including ch etc as requ	g excavation,		
		50.000					50.000
	Total	30.000					50.00 50.00
	Total			Total	al Quantity	in motro	50.00
2.062	OD254660/2022-2	2023		100	ar Quantity	in mene	30.00
	Laying of one nun KV grade of follow protective covering Upto 35 sq. mm	wing size of and refil	direct in grou	und including	g excavation,		
		640.00	-52				640.000
		U					
	Total	0	組織				640.00
2.063	OD254661/2022-2 Laying of one num KV grade of follow protective covering	2023 The PVC wing size of and refile	direct in grou ling the tren	d PVC sheatl	g excavation,	ower cab	640.00 le of 11
2.063	OD254661/2022-2 Laying of one nun KV grade of follow	2023 The PVC wing size of and refile	direct in grou ling the tren	d PVC sheatl	ned / XLPE pg excavation,	ower cab	640.000 le of 11 hioning,
2.063	OD254661/2022-2 Laying of one num KV grade of follow protective covering	2023 Ther PVC wing size of and refil and upto 9	direct in grou ling the tren	d PVC sheatl	ned / XLPE pg excavation,	ower cab	640.00 le of 11 hioning, 40.00
2.063	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm	2023 Ther PVC wing size of and refil and upto 9	direct in grou ling the tren	d PVC sheatl und including ch etc as requ	ned / XLPE pg excavation, uired.	power cab sand cus	640.00 le of 11 hioning, 40.00 40.00
	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm	2023 The PVC wing size of and refil and upto 9 40.000	direct in grou ling the tren	d PVC sheatl und including ch etc as requ	ned / XLPE pg excavation,	power cab sand cus	640.000 le of 11 hioning, 40.000 40.000
	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm . Total	2023 and refil and upto 9 40.000 2023 aber PVC wing size of the size of t	direct in grouling the trenders, sq. mm insulated and direct in grouling the trenders.	d PVC sheatlund including ch etc as requested as requested as the desired as the	ned / XLPE pg excavation, lired. al Quantity in the description of th	oower cab sand cus	40.00 40.00 40.00 1e of 11
	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm . Total OD254663/2022-2 Laying of one num KV grade of follow protective covering	2023 and refil and upto 9 40.000 2023 aber PVC wing size of the size of t	direct in grouling the trenders, sq. mm insulated and direct in grouling the trenders.	d PVC sheatlund including ch etc as requested as requested as the desired as the	ned / XLPE pg excavation, lired. al Quantity in the description of th	oower cab sand cus	40.00 40.00 40.00 1e of 11
	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm . Total OD254663/2022-2 Laying of one num KV grade of follow protective covering	2023 aber PVC wing size of and upto 9 40.000 2023 aber PVC wing size of and upto 9 and upto 1	direct in grouling the trenders, sq. mm insulated and direct in grouling the trenders.	d PVC sheatlund including ch etc as requested as requested as the desired as the	ned / XLPE pg excavation, lired. al Quantity in the description of th	oower cab sand cus	640.00 le of 11 hioning, 40.00 40.00 le of 11 hioning,
	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm . Total OD254663/2022-2 Laying of one num KV grade of follow protective covering Above 95 sq. mm .	2023 aber PVC wing size of and upto 9 40.000 2023 aber PVC wing size of and upto 9 and upto 1	direct in grouling the trenders, sq. mm insulated and direct in grouling the trenders.	d PVC sheatlund including ch etc as requested as requested as requested as requested etc as requested as requ	ned / XLPE pg excavation, lired. al Quantity in the description of th	in metre	40.00 40.00 40.00 40.00 40.00 25.00
2.064	OD254661/2022-2 Laying of one num KV grade of follow protective covering Above 35 sq. mm . Total OD254663/2022-2 Laying of one num KV grade of follow protective covering Above 95 sq. mm .	2023 anber PVC wing size of and upto 9 40.000 2023 aber PVC wing size of and refil and upto 9 25.000	direct in grouling the trenders, sq. mm insulated and direct in grouling the trenders.	d PVC sheatlund including ch etc as requested as requested as requested as requested etc as requested as requ	ned / XLPE pg excavation, uired. al Quantity in med / XLPE pg excavation, uired.	in metre	40.00 40.00 40.00 40.00 40.00 25.00

	Specification	No	Length	Width	Depth	Cf	Quantity					
		10.000					10.000					
	Total						10.000					
				Tot	al Quantity	in metre	10.000					
2.066	OD254666/2022-2023											
	Laying and fixing cable of 1.1 KV gr Above 35 sq. mm	ade of fol	lowing size	on wall surfa	ce as require	ed.	•					
		10.000					10.000					
	Total	10.000					10.000					
	Total			Tot	al Quantity	in metre	10.000					
2.067	OD254667/2022-2	2023		100	ar Quantity	m metre _[10.00					
	cable of 1.1 KV gr Above 95 sq. mm						clamp)					
	Total	10.000		711			10.00					
	1 Otai	M	-	Tot	al Quantity	in metre	10.00					
2.069	OD254668/2022-2	0022	e-PLATFOR OF PUBLIC	M FOR THE M	ai Quantity	m metre	10.00					
2.008	Supply and erection	C .C	MC CI	red Plates fo	r covering c	abla tuanal						
	for 10 Sq.m)	100.00	MS Cheque	red Flates 10	r covering ex	able trenci						
	for 10 Sq.m)	Г Г	MS Cheque	red Flates 10	r covering co	able trenci	100.000					
	for 10 Sq.m) . Total	100.00	MS Cheque				100.000 100.00					
2.040	for 10 Sq.m) . Total	100.00	MS Cheque		Fotal Quant		100.000 100.00					
2.069	for 10 Sq.m)	100.00 0	Ocmx10cm G	I plate 5mm	Fotal Quant thick with in	ity in kg	100.000 100.000 100.000					
2.069	Total OD254670/2022-2 Supply route mark bolted / welded to	100.00 0	Ocmx10cm G	I plate 5mm	Fotal Quant thick with in	ity in kg	100.000 100.000 100.000					
2.069	Total OD254670/2022-2 Supply route mark bolted / welded to	100.00 0 2023 ter with 10 35x35x6m	Ocmx10cm G	I plate 5mm	Fotal Quant thick with in	ity in kg	100.000 100.000 100.000 s there on a ground as					
2.069	Total OD254670/2022-2 Supply route mark bolted / welded to required.	100.00 0 2023 ter with 10 35x35x6m	Ocmx10cm G	I plate 5mm n 60cm long	Fotal Quant thick with in	ity in kg	100.000 100.000 100.000 s there on a ground as					
	Total OD254670/2022-2 Supply route mark bolted / welded to required.	100.00 0 2023 ter with 10 35x35x6n 50.000	Ocmx10cm G	I plate 5mm n 60cm long	Total Quant thick with ir and fixing the	ity in kg	100.00 100.00 100.00 s there on a ground as 50.00 50.00					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
		25.000					25.000		
	Total						25.000		
					Total Quant	tity in no	25.000		
2.071	OD254674/2022-2	2023							
	Earthing with 1200 and providing mas watering pipe of 2	sonry encl	osure with co	over plate ha	wing locking	arrangem	ent and		
		8.000					8.000		
	Total	0.000					8.000		
	lotai				Total Quant	ity in set	8.000		
2.072	OD254676/2022-2	2023			Total Quant	ity in sec	0.000		
	Earthing with G.I. providing masonry watering pipe etc.	earth pipe enclosur (but with	e with cover charcoal/co	plate having	g locking arra	accessori	es, and and		
	Earthing using GI		im dia				6,000		
	Total	6.000		711			6.000		
	Total	M		≺ 11	Total Quant	ity in got	6.000 6.000		
2.072	OD254677/2022-2	2022	e-PLATFOR	M FOR THE N	Total Quant	ity in set	0.000		
	Supply and clamping the following size of strips on surface of wall/ parapet/ existing cable tray using clamps fabricated from 20 X 3 mm GI flat duly painted or heavy duty GI spacer saddles spacing of clamps not exceeding 1 m, making good the damages, colour washing etc. as required (for horizontal run) 25 x 3 mm copper strip								
	25x3 copper strip								
		650.00 0					650.000		
	Total						650.000		
				Tot	al Quantity	in metre	650.000		
2.074	OD254678/2022-2	2023							
	Supply and drawir cables and giving 2.65 mm copper co	connection	n as required		following siz	es along v	vith wiring/		
	12 SWG copper co	onductor							
		350.00 0					350.000		
	Total				1	'	350.000		
_	i								
				Tot	al Quantity	in metre	350.000		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Supply and drawing cables and giving 3.15 mm copper co	connection	n as required	ctors of the f	following size	es along w	vith wiring/			
	10 SWG copper	conductor								
		450.00 0					450.000			
	Total						450.000			
				Tot	al Quantity	in metre	450.000			
2.076	OD254684/2022-2	2023								
	Supply and drawing cables and giving 4.00 mm copper co	connection	n as required	ctors of the f	Collowing size	es along w	vith wiring/			
	8 SWG copper cor	nductor								
		650.00 0	A	la/_			650.000			
	Total		a iki				650.000			
				Tot	al Quantity	in metre	650.000			
2.077	OD254685/2022-2	2023								
	Supply and drawing bare earthing conductors of the following sizes along with wiring/cables and giving connection as required 4.75 mm copper conductor (6 SWG)									
	6 SWG copper conductor									
		100.00					100.000			
	Total						100.000			
				Tot	al Quantity	in metre	100.000			
2.078	OD254686/2022-2	2023				•				
	Supply and provid rubber mat to with									
	6mm thick rubber	mat	T							
	WTP site	5.000					5.000			
	Raw water PH	5.000					5.000			
	Total						10.000			
				To	otal Quantit	y in sqm	10.000			
2.079	OD254688/2022-2	2023								
	Supply and provid rubber mat to with front of the HT Br	stand 15 I	XV dielectric							
	12mm thick rubbe	r mat								
	WTP site	2.000					2.000			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	Raw water PH	2.000					2.000					
	Total						4.000					
				To	otal Quantit	y in sqm	4.000					
2.080	OD254689/2022-2	2023										
	Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hose and clamps including fixing it to wall as required.											
	fire extingusher											
	WTP site	2.000					2.000					
	Raw water PH	2.000					2.000					
	Total						4.000					
				1	Total Quant	ity in no	4.000					
2.081	OD254690/2022-2	2023										
	Supply and provid primer coat of red MS angle frame w stand including ma	oxide and ork/ wall	written with bracket filled	n white paint d with fine sa	'FIRE and, painting	' mo the brack	unted on					
		4.000					4.000					
	WTP site	4.000		\prec $+$			4.000					
	Raw water PH	2.000	e-PLATFOR	M FOR THE M	LANAGEMENT		2.000					
	Total		OF PUBLIC		T.4.104	•4	6.000					
2.092	OD254691/2022-2	0022			Total Quant	ity in no	6.000					
2.002	Supply and provid location for clear v	ing First A	Aid Chart du	ly framed an	d placed in a	conspicu	ous					
	WTP site	1.000					1.000					
	Raw water PH	1.000					1.000					
	Total	2,000					2.000					
				ŗ	Fotal Quant	ity in set	2.000					
2.083	OD254692/2022-2	2023										
	Supply and provid conspicuous locati	ing Lamir		cal Schemati	c diagram fra	amed and	placed in a					
	Schematic electric											
	WTP site	1.000					1.000					
	Raw water PH	1.000					1.000					
	Total						2.000					
					Fotal Quant	ity in set	2.000					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	Supply & Damp; promm. with inscriptions in Red colour	ons (both	in English a	ınd Malayala	m) and conv	ventional					
	Danger Notice										
	15.000										
	Total	15.000									
	Total Quantity in no										
2.085	OD254694/2022-2	Total Quantity in no 15.000 OD254694/2022-2023									
	Preparation and submission of latest scheme drawings, Voltage drop calculations, Earthing design & Damp; fault level calculations to the Electrical Inspectorate including all MV additions recently made and obtaining approval, arranging inspection for entire installation, obtaining sanction orders for the electrical installation, complete (Including all incidental and statutory expenses).										
	scheme drawings a	and appro	val								
	WTP site	1.000	1	36			1.000				
	Raw water PH	1.000					1.000				
	Total						2.000				
		Z		I	otal Quanti	ty in L.S	2.000				
2.086	OD94736/2023-20)24									

e-PLATFORM FOR THE MANAGEMENT OF PUBLIC WORKS

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	MSB	,•				C 1	1			
	Supply, fabrication compartmentalised									
	falling to	i, dust tig	nt, vermin pr	oor, water pr	1001 230A L	1 - IVIAIII IV	1 v 1 anei			
	IP54 category fabr	icated ou	t of 16 SWG	CRCA Shee	t Steel painte	ed as per s	standards			
	with				-	•				
	Alumimium Busba	ars of suit	able size, eaı	th bus of ade	equate capaci	ity, double	e earth			
	connection to	مامئمئسام			بسوطو واطويد	hana fuan				
	all switches, internicable	iai rigid c	onnection et	c. including s	suitable chair	ibers, iroi	it open, top			
	entry with water p	roof shroi	ıding, free st	anding panel	consisting o	of the follo	owing as			
	per		<i></i> , 1100 st	and Summer	901191901119	1 1110 10110				
	standards (All swi	itches sha	ll confirm to	conforming	to IEC 6094	7-2 standa	ards)			
	Incommer	•	111000	(2.4.) 4.3.						
	250A FP Microprocessor based MCCB (26kA) - 1 Nos. Restricted Earth Fault Relay - 1 Set									
	250A TPN best co			huchar with	SMC suppo	rte heat e	hrinkahle			
	sleeves	iiductivit <u>.</u>	y Alummun.	i ousoai with	SWIC suppo	rts, meat s	ililikabic			
	etc. as per ISS - 1s	et								
	RYB indicators (I	LED Pilot	type) with 2	2A Control N	ACB and tog	gle switch	ies - 4 Set			
	Multifunction Dig	ital Panel	meter to rea	d V, A, F, PF	F, kW, kVA,	kVAR, k'	Wh, kVAh,			
	kVARh									
	Class 1.0 - 1 Set 200/5A CL 1.0, 15	VΔ Mete	ring CTs - 1	Set						
	Outgoings:	V / I IVICIC		Bet	_ =					
	100Å, 16kA FP M				LANAGEMENT					
	"Surge									
	Pluggable type sur		er with poten	tial free cont	act, thermal o	disconnec	tor			
	& amp; amp; provision for inbuilt common		indication fo	r defective e	restors to so	nnaat hats	waan Lina			
	and	ii remote .	maicanon 10	i defective ai	resters to co	imect bety	ween Line			
	Neutral and one nu	ımber Spa	ark Gap type	arrester to co	onnect betwe	en Neutra	al and Earth			
	of	Т	pp r							
	following ratings i	ncluding	base element	&	; pluggable a	rresters. N	Iominal			
	voltage 230V,	1.		(0/00) 0	T ! / P.T.	4 1 . 0	50			
	50Hz, Nominal Di kA (8/20 sec)	scnarge c	urrent 30 kA	(8/20 sec) fo	or Line to Ne	eutrai &an	np;amp; 50			
	for Neutral to Eart	h. Maxim	um Dischard	e Current In	nax 50 kA (8	/20 sec) -				
	1Set"	, 1/14/1111	10011a1 E	, Carront III	IMI 50 IVI (0)	- 20 BCC) -				
	Supports									
	The panel shall be	supported	d to ground u	ising framew	ork fabricate	ed out of N	MS Flats /			
	Angles		. f. 72: C1		1 4	C	-1!			
	etc. painted with to The	wo coats (of Zinc Chro	mate primer	and two coat	s of enam	ei paint.			
	framework shall be	e firmly s	upported to o	round using	suitable cem	ent concr	ete plinth			
	The Panel Board s									
	Painting	•					C			
	letters / identificati	ions for th	ne incoming	and outgoing	switches, ca	ble, fuse	sizes, etc.,			
	in white	1 1 1	11.1 (1.1	. 1 . 1	41 4 6 4		1			
	enamel paint. The	board sha	III be tabrica	ted in such a	way that futi	ure extens	tion be			
	possible. Supply and installi	no 50 kv	ar APP canad	ritor for no le	ad compans	ation				
L	pappiy and mstalli	ing JU KV	a Air capac		rad compans	utiOII				

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	MSB-Raw water	PH				-			
		1.000					1.000		
	Total						1.000		
				Т	Total Quanti	ty in iob	1.000		
2.087	OD94737/2023-20)24							
2.007	SSB								
	Supply, fabrication, erection, testing and commissioning of cubicle type fully								
	compartmentalised, dust tight, vermin proof, water proof 200A MV Panel falling to								
	IP54 category fabricated out of 16 SWG CRCA Sheet Steel painted as per standards with								
	Alumimium Busbars of suitable size, earth bus of adequate capacity, double earth connection to all switches, internal rigid connection etc. including suitable chambers, front open, to cable entry with water proof shrouding, free standing panel consisting of the following as per								
	standards (All sw	andards (All switches shall confirm to conforming to IEC 60947-2 standards).							
	Incoming: 100A TPN Isolator - 1 No. 200A TPN best conductivity Aluminium busbar with SMC supports, heat shrinkable								
	sleeves		1 Hallilla	ousour with	Sivie suppor	rts, neat si	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		
	etc. as per ISS - 1s								
	Multifunction Dig kVARh	ital Panel		dV, A, F, PF		KVAR, KV	Wh, kVAh,		
	Class 1.0 - 1 Set		OF PUBLIC	WORKS					
	RYB indicators (I				ACB and togg	gle switch	es - 1 Set		
	100/5A CL 1.0, 15	VA Mete	ring CTs - 1	Set					
	Outgoings: 10A TP D curve N	//CB (10k	A) - 1 Nos						
	Supports	ICD (TOK	11) 11105.						
	The panel shall be	supported	d to ground u	ising framew	ork fabricate	d out of N	IS Flats /		
	Angles etc. painted with to	wo coata a	of Zina Chro	mate primar	and two costs	c of anom	al naint		
	The	wo coats (n Zine Ciifo.	mate primer	and two coats	s of chall	ei paint.		
	framework shall b								
	The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length								
	Painting letters / identificat	ions for th	ne incoming	and outgoing	ewitches ca	ble fuse	sizes etc		
	letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white								
	enamel paint. The	board sha	ll be fabrica	ted in such a	way that futu	ire extens	tion be		
	possible								
	SSB-Raw water P					Т			
		1.000					1.000		
	Total						1.000		
				<u> </u>	Total Quanti	ty in job	1.000		
2.088	OD94738/2023-20)24							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity	
	Supply, installation phosphatised and painted, dust and vincluding copper by + Isolator (8 module) as incompolits or fixed in recess including, dressing the DB in slots using Dummy)	rermin propus bar, new and Studing cut	& amp; amp; cof enclosure eutral link, ear P/TP MCB atting hole on	commissionic (IP43) Vertarth bus and I as outgoings of the wall, ma	ng of best quical TPN Do DIN rail suitatetc. on wall unking good the	uality shee uble door able for fi using suita	DB xing RCCB able anchores, colour	
	Vertical TPN Dou	ble door I	OR 12way at	Raw water F	 РН			
	Vertical TPN Double door DB 12way	1.000	D 12way ac	Naw water I			1.000	
	Total		J	la/l.			1.000	
			a si	T	otal Quanti	ty in job	1.000	
2.089	OD94739/2023-20)24						
	Supply and providing the following MCCB/RCCB / MCB / MCB Isolators/COS etc. to the existing DBs / MCS / Junction Boxes etc. including giving proper termination using suitable Bananna copper lugs, sleeves, insulation etc. complete.							
	RCCB/MCB/MCE	3 Isolator				<u> </u>		
		1.000					1.000	
	Total						1.000	
				Т	otal Quanti	ty in job	1.000	
3	Supply erection,te WTP to Kuruvilac	sting and ity discha	commissioninge of 25 lps	ng of centrif for a head o	ugal pump sof f 110 m.	et for CW	PM from	

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
51110	Supply erection,te									
	lps for a head of 110 m from CF pump set with Pump <br& and="" commit="" td="" testing="" with<=""><th>m WTP to the follow camp;gt;S</th><td>Kuruvilacity ving specification upply, erecti</td><th>y. Supply anation&lion,</th><td>d erection of t;br></td><td>1.</td><th></th></br&>	m WTP to the follow camp;gt;S	Kuruvilacity ving specification upply, erecti	y. Supply anation&lion,	d erection of t;br>	1.				
	Bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard foundation bolts & pump; nuts etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable concrete foundation including cost of cement sand and metal etc. complete; The duty condition is as follows: Discharge - 25 lps: Total head - 110 mtrs: Size of									
	follows; Discharge - 25 lps; Total head - 110 mtrs; Size of pumping main pipe - 200 mm DI, Length-2615 m; Speed- Less than 1500 rpm. 2. Motor: Supply, erection, testing and commissioning of KWA pre qualified reputed make horizontal solid shaft foot mounted TEFC squirrel cage induction motor suitable for the above pump working 3 phase 50 Hz AC supply, working voltage 415 V/3300V (select the suitable). The motor shall confirm to IE2/IE3 as per IS12615-2018 including providing suitable concrete foundation including cost of cement sand and metal etc. complete For 3300v motors digital motor protection relay shall be included in starter as per present CEA regulation. Flexible coupling shall be used for coupling of pumps and motors									
	3.Starter:Supply, erection, testing and commissioning of suitable rating Soft starter suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per CEA regulation and code of practice etc. complete 4. Panel board (suitable for operating two pump sets but one pump set at a time: Supply, erection, testing and commissioning of cubical type floor mounted MS fabricated dust and vermin proof common control panel board consisting of 1 No. suitable capacity MCCB as incomer and 2 Nos of suitable capacity MCCB as out going (the two MCCBs are interlocking with each other) providing suitable size									
	Aluminium bus ba lamps, 1 No. volt is Complete and pro- with the MCCBs at on a common base starters. (Specifica Nos of out going a 5. Cabling work: cables for the above considering energy	meter with vided with as per CEA e frame on ation may as one out Supply, la we pump s y conserva	h selector sw n a common of A regulation n suitable fou be modified going and the aying, testing tet from pane ation.	itch, 1 No. A earth bus for and code of and ation with if there is on a provision of and commist and commist and to state the state of	Immeter with the entire pa practice. The provision to ly one pump of interlocking ssioning of su arter and from	n selector nel and in panel sha accomme set by ch ig may be nitable siz n starter to	switch etc. nter connect all be fitted odate 2 soft anging 2 e avoided) the XLPE o motor.			
	6. Earthing :Suppl size pipe/plate ear motor, starter, pan 7. Capacitor: Suppl capacitor for the n to IS 2834.	thing GI/c el board e oly, erection notor to ge	copper strip betc. as per IE on, testing an et a power fa	ouried in groustandards. Id commission above 0.	and and giving of heaven on the capa	ng double y duty Al acitor shal	earthing to			
	8. Valves;Supply of CI double flanged Fitting of valves shall include	sluice val	lve and Non	return valve	with suitable	pressure	_			

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity					
	positive											
	suction pump set sluice valve should be in suction as well as delivery sides for easy repair											
	works. 9. Suction and delivery pipe connections;Supply and fitting											
	of suitable size best quality GI/MS nine of thickness not less than 8mm for a total length											
	suitable size best quality GI/MS pipe of thickness not less than 8mm for a total length of 10 m.											
	suitable for the abo	table for the above pump set and suitable size foot valve and connecting the suction be and										
	nd aanna	ting the										
	valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery											
	side of the pump with the valves and suitable specials to connect with the pumping main. If the dia of suction pipe is above 80 mm CI pipes & specials shall be provided. .Also two year Warrantee and Supply of ELCB/RCCB											
	to be added at pan		5.,.	J		J						
	for safety.											
	WTP-Kuruvilacity		-	M	Τ							
		2.000		5 /41.0			2.000					
	Total		200									
	Total Quantity in no											
3.002	OD90424/2023-20)24		711								
	Approval from Ele	ectrical In	spectorate /K	KSEB L								
	Approval from E		C - C - C - C - C - C - C - C - C - C -	WORKS	n-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1							
		1.000					1.000					
	Total						1.000					
	Total Quantity in L.S											
4	4 Supply erection, testing and commissioning of centrifugal pump set for CWPN WTP to Swargamedu discharge of 9.5 lps for a head of 165 m.											
	,, 11 to 2,, the Market	caa arberr	arge or 7.5 ip	os for a nead	01 105 III.							

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Supply erection,te	sting and	commissioni	ng of CF pu	mpset having	g a dischar	rge of 9.5		
	lps for a head of 165 m from CF pump set with Pump&l testing and commit with	the follow t;br&	ving specific ;amp;gt;Sup	ation;1. ply, erection	,	Centrifuga	l pump sets		
	Bronze/SS impeller, SS shaft and CI pump casing with suitable type base plate with coupling, coupling guard foundation bolts & plate etc. complete suitable for coupling the pump and motor above the base plate etc. complete including providing suitable concrete foundation including cost of cement sand and metal etc. complete amp;amp;lt;br>The duty condition is as follows Discharge - 9.5 lps;Total head - 165								
	mtrs;Size of pump rpm. 2. Motor: Supply, make horizontal so for the above pum (select the suitable including providin metal etc. complet	erection, olid shaft p working e). The mog g suitable e For 330	testing and of foot mounted 3 phase 50 otor shall cone concrete for 0v motors di	m DI, Length commissioning the TEFC squing Hz AC supplifirm to IE2/Indation included gital motor p	h-2710 m;Sp ng of KWA p rrel cage indu ly, working v E3 as per IS uding cost of protection rel	pre qualification movoltage 41 12615-20 f cement say shall b	ted reputed tor suitable 5 V/3300V 18 sand and e included		
	in starter as per present CEA regulation. Flexible coupling shall be used for coupling of pumps and motors 3. Starter: Supply, erection, testing and commissioning of suitable rating Soft starter suitable for the above motor with over voltage and under voltage protection, single phase preventer, over load relay with motor protection relay with main contactor and bypass contactor as per CEA regulation and code of practice etc. complete 4. Panel board (suitable for operating two pump sets but one pump set at a time: Supply, erection, testing and commissioning of cubical type floor mounted MS								
	fabricated dust and suitable capacity M going (the two MC Aluminium bus ba lamps, 1 No. volt in Complete and provided with the MCCBs at on a common base starters. (Specificate Nos of out going a 5. Cabling work: Starters above considering energy)	MCCB as CCBs are ar inter commeter with wided with as per CEA frame or ation may as one out Supply, laye pump sy conserva	incomer and interlocking nnect the about the about a common A regulation in suitable four be modified going and the aying, testing the trom panetation.	2 Nos of sui with each oflowe MCCBs a itch, 1 No. A earth bus for and code of a indation with if there is on the provision of and commission of and commission of and commission of the board to state	table capacit ner) providing and fitted with ammeter with the entire paparactice. The provision to ly one pump of interlocking assioning of su arter and from	y MCCB g suitable th 3 Nos conselector nel and ir panel sha accommon set by ch ag may be aitable siz n starter to	as out e size of indicator switch etc. nter connect all be fitted odate 2 soft anging 2 e avoided) e XLPE o motor.		
	6. Earthing :Suppl size pipe/plate eart motor, starter, pan 7. Capacitor: Supp capacitor for the m to IS 2834. 8. Valves&an heavy duty ISI ma CI double flanged Fitting of	thing GI/o el board e oly, erection notor to go mp;gt;Sup rked	copper strip tetc. as per IE on, testing aret a power fa	buried in groustandards. ad commission ctor above 0. le size best q	and and giving of heaven 95. The capa uality	ng double ry duty Al acitor shal	earthing to PP Il confirm		

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity				
	valves shall includ	le proper l	RCC support	especially for	or Non return	n valves. I	n case of				
	positive suction pump set sluice valve should be in suction as well as delivery sides for easy										
	repair					•	101 cusy				
	works.& connections&				delivery pipe						
	and fitting of										
	suitable size best quality GI/MS pipe of thickness not less than 8mm for a total length of 10 m. suitable for the above pump set and suitable size foot valve and connecting the suction pipe and valve with suitable flanges, nut and bolts IR sheet etc. complete and connecting the delivery										
	side of the pump with the valves and suitable specials to connect with the pumping main. If the dia of suction pipe is above 80 mm CI pipes & specials shall be provided. .Also two year Warrantee and Supply of										
	provided.&ar ELCB/RCCB to be	np;lt;br&: e	amp;amp;gt;	.Also two yea	ar Warrantee	and Supp	oly of				
	added at panel		A B	ØALA							
	for safety. WTP-SWARGAM	4EDII	10010								
	W IP-SWARGAN	2.000		7			2.000				
	Total	2.000			_ =		2.000				
	Total		e-PLATFOR	M FOR THE M	Total Quant	ity in no					
4.002	OD90435/2023-20)24	OF FORCE	WORKS	Total Qualit	ity iii iio	2.000				
1.002	Approval from Ele		spectorate /K	SER L							
	Approval from E										
	[]	1.000					1.000				
	Total 1.000										
				T	otal Quanti	ty in L.S	1.000				
5	Supply erection,te	sting and	commissioni	ng ofcentrifu	ıgal pump se						
3	WTP to Jamespad	i discharg	e of 32 lps fo	or a head of 1	140 m.						
5.001	OD90901/2023-20)24									

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply erection,tes	sting and	commissioni	ng of CF pu	npset having	g a dischar	rge of 32
	lps for a	» WTD L	omognodi 1	Dumni Cunnl	y areation t	actina and	1
	head of 140 m from commissioning of						
	Bronze/SS impelle						
	coupling, coupling						
	pump and motor al						
	concrete foundatio						
	condition is as foll						
	than 1500 rpm. 2. I qualified reputed n						
	induction motor su						
	working voltage 4	15 V/330	OV (select th	e suitable). T	he motor sha	all confirm	n to
	IE2/IE3 as per IS1						
	including cost of c						
	protection relay sh	all be inc	luded in star	ter as per pre	sent CEA reg	gulation. I	Flexible
	coupling shall be u	ised for co	oupling of pu	imps and mo	tors		¥ ~4~4
	3.Starter:Supply, e suitable for the abo						
	phase preventer, or						
	bypass contactor a						detor did
	4. Panel board (sui						time:
	Supply, erection, to	esting and	d commission	ning of cubic	al type floor	mounted	MS
	fabricated dust and						
	suitable capacity N						
	going (the two MC Aluminium bus ba	r inter co	nnect the abo	with each on	and fitted wit	g sultable	size of indicator
	lamps, 1 No. volt r						
	Complete and prov						
	with the MCCBs a						
	on a common base						
	starters. (Specifica						
	Nos of out going a 5. Cabling work:	s one out	gonig and in wing testing	and commis	sioning of si	ig iliay be iitahle siz	avolucu) e XI PF
	cables for the above	e nump s	et from pane	l board to sta	rter and fror	n starter to	o motor.
	considering energy						
	6. Earthing :Supply	y of all m	aterials and p				
	size pipe/plate eart				ınd and givir	ng double	earthing to
	motor, starter, pan				of 1		nn
	7. Capacitor: Supple capacitor for the m	ny, erecur	on, testing an	ctor above 0	oning of neav	y uuty Al acitor shal	l confirm
	to IS 2834.	iotor to go	et a power ra	ctor above o.	75. The capa	icitoi siiai	Commi
	8. Valves: Supply	of suitabl	e size best qı	uality heavy	duty ISI mar	ked CI do	uble
	flanged sluice valv	e and No	n return valv	e with suitab	le pressure r	ating. Fitt	ing of
	valves shall includ						
	positive suction pu		uice valve sh	ould be in su	ection as wel	i as delive	ery sides for
	easy repair works. 9. Suction and deli		connections	· Supply and	fitting of en	itable size	hest
	quality GI/MS pipe						
	for the above pump						
	and valve with suit	table flan	ges, nut and	bolts IR shee	t etc. comple	ete and co	nnecting
	the delivery side of						
	pumping main .If t	he dia of	suction pipe	18 above 80 i	mm CI pipes	specials s	shall be

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	provided;.Also two	o year Wa	arrantee and	Supply of EI	CB/RCCB t	o be adde	d at panel
	WTP-JAMESPAD	ΟI					
		2.000					2.000
	Total						2.000
				ı	Total Quant	ity in no	2.000
5.002	OD90436/2023-20)24					
	Approval from Ele	ectrical In	spectorate /K	KSEB L			
	Approval from Ele	ectrical In	spectorate				
		1.000					1.000
	Total						1.000
				Г	otal Quanti	ty in L.S	1.000
6	Supply erection,te WTP to Poopara d	sting and lischarge o	commissioni of 38 lps for	ng of centrif a head of 14	ugal pump so 6 m.	et for CW	PM from
	OD90914/2023-20		14781	9 4741			



Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply erection,tes	sting and	commissioni	ng of CF pu	mpset having	a dischar	ge of 38
	lps for a head of 146 m from CF pump set with Pump&l testing and commi	the follov t;br&	ving specific ;amp;gt;Sup	ation&a ply, erection	.mp;lt;br&an ,		
	with Bronze/SS impelle	er, SS shat	ft and CI pur	np casing wi	th suitable ty	pe base pl	late with
	coupling, coupling guard for coupling the pump		oolts &a	.mp;amp; nut	s etc. comple	ete suitabl	e for
	and motor above the ba foundation	_	_		oviding suit	able concr	rete
	including cost of c complete&an as	np;lt;br&a	imp;amp;gt;	The duty con			
	follows& mtrs.Size of	;lt;br&an	np;amp;gt;Di	scharge - 38	lps;Total hea	ad - 146	
	follows&	e - 250 m pply, erection as per press and motor rection, to be rection, to be rection as per CEA at able for esting and l vermin particles are interconnecter with vided with as per CEA at a per CEA at	m DI, Length ction, testing id shaft foot working 3 pe). The motoritable concretable concretable concretable concretable concretable concretable concretable concretable commission operating two communications are common as selector swith a common a suitable four be modified going and the trying, testing	h-5407 m;Sp and commis mounted TE, hase 50 Hz A r shall confir ete foundations digital mo- gulation. Fle mmissioning oltage and un- otor protection and code of properties on control para 2 Nos of sui- with each oth ove MCCBs a itch, 1 No. A earth bus for and code of produced of produced of produced of produced it there is on the provision of and commis-	eed- Less that sioning of K FC squirrel of AC supply, was to IE2/IE3 in including of tor protection xible coupling of suitable ander voltage in relay with practice etc. of but one pumpal type floor nel board contable capacitate) providing and fitted with the entire paractice. The provision to ly one pump of interlocking sioning of suitable capacitates are provision to ly one pump of interlocking sioning of suitable capacitates.	an 1500 WA pre quage inductorking votating soft of certain shall be rating Soft protection main controlled main controlled main sisting of y MCCB gratiable with 3 Nosotation selectors and and in panel shall accommon set by chang may be uitable size.	etion motor oltage 415 12615- ment sand all be e used for et starter a, single tactor and etime: MS f 1 No. as out esize of indicator switch etc. eter connect all be fitted odate 2 soft anging 2 avoided) e XLPE
	considering energy 6. Earthing :Suppl size pipe/plate eart motor, starter, pan 7. Capacitor: Supp capacitor for the m to IS 2834.	y conserva y of all m thing GI/c el board e oly, erection	ation. aterials and peopper strip betc. as per IE on, testing ar	providing sui buried in grou standards. ad commissic	table earthin and and givin	g by using ng double ry duty AI	g suitable earthing to

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
51140	;8. Valves&a heavy duty ISI ma CI double flanged Fitting of valves shall include positive suction pump set serepair works.& connections& and fitting of suitable size best of 10 m. suitable for the aboripe and valve with suitable delivery side of the pump verside shall be provided.& specials shall be provided.&ar ELCB/RCCB to be added at panel for safety.	mp;lt;br&rked sluice value proper lauce value va	camp;amp;gt; lve and Non a RCC support we should be a p;amp;gt;9. So wamp;amp;g /MS pipe of set and suita nut and bolts alves and suita ;amp;gt;If th	Supply of sureturn valve especially for in suction as Suction and out; Supply thickness not able size foot as IR sheet etc. table specials e dia of suctions.	with suitable or Non return well as delivery pipe t less than 8nd valve and control of the complete and to connect value is about the connect val	pressure n valves. It very sides nm for a tr connecting nd connecting with the prove 80 m	rating. In case of for easy otal length the suction eting the umping m CI pipes
	WTP-POOPARA	2.000	OF PUBLIC	M FOR THE M WORKS	LANAGEMENT		2,000
	 Total	2.000					2.000 2.000
	10001			,	Total Quant	ity in no	2.000
6.002	OD90438/2023-20 Approval from Ele		spectorate /K			•	
	Approval from Ele	ectrical In	spectorate				
		1.000					1.000
	Total						1.000
				T	otal Quanti	ty in L.S	1.000
7	Supply erection, to water pump house		commission	ing of 55HP	Vertical tui	rbine pum	p set at raw
7.001	OD85413/2023-20)24					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
	Supply and erection Supply, erection, to house-96						
	lps discharge and 3 mm DI K9, Length		l. Size of&ar	np;amp;lt;br	&g	t;pumpin	g main:350
	of pumpingmain:800	m, Maxii	mum length	of column pi	pe: below		
	1.5m,&li iron, Speed: below and commissioning	t;br& 1500 rpr	;amp;gt;Casi	ng: Cast	_	gt;erection	n, testing
	of KWA approved high efficiency typ discharge type	make IS	I marked ater&ar	np;lt;br&am _l	o;amp;gt;lub	ricated ab	ove floor
	vertical turbine pump with bronze	impeller	, SS shaft , M	IS fabricated	(minimum 8	8 mm) fla	anged
	column assembly with stra	•			·	,	<u> </u>
	coupled			1w7\		The pulli	p shan be
	with suitable vertice Casing: Cast&lelow 1500 rpm					amp;amp	;gt;Speed:
	Impeller : Enclosed				balanced as		
	per <bi standards&an</bi)4		
	<br&a< td=""><th>imp;amp;</th><th>gt;Colum sh</th><th>aft - SS 410</th><th></th><th></th><th></th></br&a<>	imp;amp;	gt;Colum sh	aft - SS 410			
	<br&a Pump shaft - SS 31 2Epoxy painted M</br&a 	16&	gt; amp;lt;br&ar	np;amp;gt; B	owl Casing	ring: Bror	nze LTB
	Column pipe 10 mm Thick fabricated with	flanged e	ends each hav	ing length b	elow 1.5 Me	ter. Strain	ner
	SS 304 Bearings fo & Samp; amp; lt; br & a & Samp; amp; lt; br & a unlocking Centrifu	ımp;amp; ımp;amp;	gt;Discharge gt;Ratchet&	Head Bearin	ng - Thrust /	angular ro	oller
	& amp; amp; lt; br & a Efficiency: suitabl motor & amp; amp; l	imp;amp; le to achie	gt;&am eve minimun				amp;amp;
	Vibrations should standards.&ar performance						
	tolerance should be negative&ositive tolerance in	p;lt;br&a					and no
	power). Supply, erection, to Kirlosker/cromptor squirrel	esting and n/BHEL/	l commission Marthon/Als	ning of suitat tom or equiv	ole rating hig alent KWA a	h efficien approved	cy make EF1
	cage Induction,SPI direct<	;br&	;amp;gt;coup	oling with the	e	_	
	above pump having of <bra ambient="" td="" temp.rise<=""><th>&am</th><th></th><th></th><th></th><th></th><th></th></bra>	&am					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
SI NO	conforming to relevant IS. Mor supporting certific prove EF1 or EF2.& Design, supply, ere clad, totally enclosed, dust tigh fabricated out of 1 supply system. The panel over switch for pumpse outgoing. The pane with selector switch, inc base with HRC fus and	tor& ates to ;amp;lt;b; ection, tes t and vern 6 swg. M board for ts, incomel board of dication la	amp;lt;br&arampamp; r& sting and con min proof, in ild steel sheet one working ing main and consisting of amps necessa	mp;amp;gt;sl gt; nmissioning door floor m t for operation g a a time with 2 nos 250 A voltmeter with	of medium vounted cubic on 3 phase, 4 th 500 A SFU th selector syamp; amp; amp; lt; b	oltage she le type sy 15 volts 5 J as incor FU with H witch, Am or&an	t and eet steel vitch board 0 Hz, AC mer, change IRC fuse as meter CTS mp;gt;fuse
	Nutral link etc.also panel for safety. The switch rust primer coating foll construction practice approved practice.&am Supply and fitting (MDXL)power&a connecting copper cables, termination etc. su	board sur owed by by the Ke p;lt;br&a of suitabl mp;amp;l	rface treated two coats of erala Electric mp;amp;gt; le rating meta t;br&an	after degreases spray paint of the spray paint of t	sing, pickling of approved s te standard a duty poly pro or with capac	s, phospation phade as some as standas standas opylene citor fixin	ing etc anti- tandard idard g stand,
	for enhancing existing installation of suita size,CI Double Flanged he 2000. The size shall not be le delivery&installation&installa	able eavy duty ss than th p;lt;br&a amp;lt;br on,	Sluice Valve the size of pun mp;amp;gt;S &g	e with cap Pl np upply and t;of suitable	N 2.0, confor	ming to Is	S 14846 - narked
	the size of pump delivery&an Starter& amp; complete integrate panel capable of operating the moto contactor in the panel and m control MCB and line powers.	np;amp;lt lt;br&am d soft star or having otor prote	;br&am p;amp;gt;Sup rter a protection ection relay h	p;gt; pplying& level of IP 40 aving param	p;amp;lt;br&) or more wit eters as per I	amp;amp th integrat E rules w	gt;a ted bypass ith a power

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity
Sl No	normal full load current of mo space&linsulation level of V. The standard is 4.2. <b a="" about="" all="" and="" be="" buried="" connections="" fitted="" for="" ground="" in="" including="" installatock="" mate="" of="" plate="" purposes,<="" salt="" stand="" suitable="" supply="" td="" the="" to="" valve=""><td>otor with a t;br& 1100 to be IEC or&a ation of 1. or wall vove pump rials and put a depth of the and fix</td><td>ammeter, volu; amp;gt;heat C 60947- mp;gt; 50mm dia, G isible while of s.& providing suit of 3m from g ing of 32mm</td><td>imeter and plers, floor mostlycerence filesperating the cylt;br&atable plate extround levels and a preforate</td><td>hase indicator unting type and led pressure evalves with amp;gt; arthing with with alternated GI pipe, for the same of the sam</td><td>gauge wit copper tu 200x1200</td><td>g an th stop be 2x12mm CI f charcoal</td>	otor with a t;br& 1100 to be IEC or&a ation of 1. or wall vove pump rials and put a depth of the and fix	ammeter, volu; amp;gt;heat C 60947- mp;gt; 50mm dia, G isible while of s.& providing suit of 3m from g ing of 32mm	imeter and plers, floor mostlycerence filesperating the cylt;br&atable plate extround levels and a preforate	hase indicator unting type and led pressure evalves with amp;gt; arthing with with alternated GI pipe, for the same of the sam	gauge wit copper tu 200x1200	g an th stop be 2x12mm CI f charcoal
	with MS/CI cover 3043/87.& am Supply, laying and boards etc. using suitable size Supply, laying, ter insulated armoured Copper specification to lease	np;lt;br&a l giving ea copper fl mination	mp;amp;gt; arthing connot at as per IE r and connecti working volt	ections to moules.∠ of (Suitabage up to 110	otors, starters imp;lt;br&an ble size) (AY	np;amp;gt YFY/XLP rming to r	; E) relevant IS
	to capacitor including IE rules.&li Erecting the above starter, motor, cubical panitems, wiring and earthin per IE rules and ISI specivalve, Reflux valve, Gauges etc. for a	g terminate; br& e motor purel board in g, giving fications, including	tions material; amp; gt; amp set in su ancluding cost connection e fitting suction g clamping w	Is such as glatitable concrest of all materate. as directed on and delives therever necessity.	and, socket, gote foundation rials etcInset by the department of the department o	gland earth n includin talling the artmental of specials,	h etc. as per g fixing the e electrical officers as Sluice
	period of one weel officers& cost of all <br&a warrantee 55HP</br&a 	;lt;br&an	np;amp;gt;In	cluding		cluding 2	2.000
	Total			,	Total Quant	ity in no	2.000 2.000
7,002	OD95422/2022 20)24			Totai Quani	nty m no	2.000
1.002	OD85432/2023-20	124					

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity			
	Earthing with G.I. and providing masonry			600 mm X (5 mm thick ir	ncluding a	ccessories,			
		2.000					2.000			
	Total	•	- '				2.000			
				r	Fotal Quanti	ity in set	2.000			
7.003	OD85447/2023-20)24				•				
	Earthing strip of 5		GI strip							
			•							
		1.000	2.000				2.000			
	Total						2.000			
				Tot	al Quantity i	in metre	2.000			
7.004	OD85452/2023-20)24	-6.1	W	•					
	Submitting application to KSEBLfor power connection and power extension									
			100	200	•					
	L.S	1.000	1.000	316			1.000			
	Total	N/		< 11			1.000			
			e-PLATFOR	M FOR THE I	otal Quanti	ty in L.S	1.000			
8	Supply Erection ,to house	esting and	commission	ing of 5 Tor	capacity cra	ne at CW	pump			
8.001	OD94754/2023-20)24								
	Design manufactu chain-pully block smooth functionin incidental charges Type and construct 8610 Load chain I brake type self act	and geared g of the cr including tion of cra S 6216(Al	I rolley having ane as per IS painting the ne Single girloy steel Grand	ng wall to w Specification exposed sur rder HOT (Ende 80) Hand	all horizontal on including a face with foll Design code I d chain IS 242	movement all fittings lowing sp S 3832) H	nt etc. for s and all ecifications look IS			
	HOT overhead cra	ane &	; chain pully							
		1.000					1.000			
	Total						1.000			
				r	Total Quanti	ity in set	1.000			
8.002	OD94753/2023-20)24								

Sl No	Specification	No	Length	Width	Depth	Cf	Quantity		
	Erection and communication suitable size 45 x 4 brackets by drilling grider ISHB 250 x the size suitably an included provision suitable construction buffers, bearing etc. supervision, load to of work. The rate in	5 MS bas g, fixing b 125 with d also pro- for box t on with al c., the wo esting all	se plate 18mm belt of suitable MS base plate oviding LT representation of the suitable of the	m thick over le size and grate and also f ail with suitand ad from rolled ty accessories sts of all tooses and clarifi	the existing routing with ixing the end stop d steel sections line gears, and equipment of crains and	RCC shad CM and vals of the L page. This n and carrowheels, as ment, laboune after co	de 8 Nos velding LT T grider to s also riages of kils, rubber ompletion		
	Erection and comm	nissioning	T						
		1.000					1.000		
	Total						1.000		
				Т	otal Quanti	ty in L.S	1.000		
	* .								
8.003	OD94752/2023-202 Supply, Fabrication	n and erec	ction of long	travel (LT)	girder 300 m	m depth f	ixing to the		
8.003	Supply, Fabrication base plate at the ex position and paintin coats of synthetic ematerials etc., com	n and erectisting braining the expension	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c	ting, hoisting oats of zinc c harges and c	and fixin hromic pronveyanc	g in rimer and 2		
8.003	Supply, Fabrication base plate at the ex position and paintin coats of synthetic e	n and erectisting braining the expension	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c	ting, hoisting oats of zinc c harges and c	and fixin hromic pronveyanc	g in rimer and 2		
8.003	Supply, Fabrication base plate at the ex position and paintin coats of synthetic ematerials etc., com	n and erectisting braining the expension	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c	ting, hoisting oats of zinc c harges and c	and fixin hromic pronveyanc	g in rimer and 2		
8.003	Supply, Fabrication base plate at the ex position and paintin coats of synthetic ematerials etc., com	n and erectisting braing the expenses please and	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c	ting, hoisting oats of zinc c harges and c	g and fixin hromic pronveyancers.	ig in simer and 2 e of all		
8.003	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., commuSMB 300x 150	n and erectisting braing the expenses please and	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c by the depart	ting, hoisting oats of zinc c harges and c	g and fixin hromic pronveyancers.	ig in rimer and 2 e of all 0.600		
	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., commuSMB 300x 150	n and erectisting braing the expensed parties and 1.000	cket at site it posed surfactint including	ncluding cut e with two co g cost labor c by the depart	ting, hoisting pats of zinc c harges and c mental office	g and fixin hromic pronveyancers.	g in rimer and 2 e of all 0.600 0.600		
	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., com ISMB 300x 150 Total	and erectisting braing the expensive and paper and 1.000	cket at site it posed surfaction including as directed between the control of long at the c	reluding cutte with two cog cost labor coy the depart	ting, hoisting pats of zinc charges and comental office al Quantity ins polished	and fixing thromic pronveyancers. 0.6000 00 in tonne	0.600 0.600 0.600 rs of size		
	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., com ISMB 300x 150 Total OD68953/2023-202 Supply, Fabrication 80 x 80mm thick to	and erectisting braing the expensive and paper and 1.000	cket at site it posed surfaction including as directed between the control of long at the c	reluding cutte with two cog cost labor coy the depart	ting, hoisting pats of zinc charges and comental office al Quantity ins polished	and fixing thromic pronveyancers. 0.6000 00 in tonne	0.600 0.600 0.600 0.600 0.600		
	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., com ISMB 300x 150 Total OD94751/2023-202 OD68953/2023-202 Supply, Fabrication 80 x 80mm thick to above item comple	and erectisting braing the expensive and paper and 1.000	cket at site it posed surfaction including as directed between the control of long at the c	reluding cutte with two cog cost labor coy the depart	ting, hoisting pats of zinc charges and comental office al Quantity ins polished	and fixing thromic pronveyancers. 0.6000 00 in tonne	0.600 0.600 0.600 rs of size		
	Supply, Fabrication base plate at the exposition and paintin coats of synthetic ematerials etc., com ISMB 300x 150 Total OD94751/2023-202 OD68953/2023-202 Supply, Fabrication 80 x 80mm thick to above item comple	and erectisting braing the expensive and paper and 1.000	cket at site it posed surfaction including as directed between the control of long at the c	reluding cutte with two cog cost labor coy the depart	ting, hoisting pats of zinc charges and comental office al Quantity	and fixing thromic pronveyancers. 0.6000 00 in tonne	0.600 0.600 0.600 rs of size tailed in		