AS and TS Approved

## **Detailed Estimate**

KIIFB Project: TRAN 10: WRD025-06 - WSS to Ayyappankovil Panchayat - Part II

Package I - Design and construction of electrical control rooms at raw water pump

house and treatment plant compound, supply, erection and commissioning of

transformers and allied works (1) 500KVA at Thonithady raw water pump

house,(2)400 KVA at WTP compound, supply erection and commissioning of motor

pump sets at RWPH, treatment plant sump pump house, Kalthotty pump house and

Nariyanpara intermediate P H etc.

(Dsor year: 2018)

	Description	No	C L/	В	D	CF	Quantity	Rema	
	l Works.(a) Design and C onithady Raw water pum						with foot br t Index:41.5	_	
1	2.31 Clearing jungle includin to 30 cm measured at a m outside the periphery	height of	1 m above					•	
		1	30.000	30.000	* ***		900.000		
		Ker	ala wal	er Auth	To	tal Quantity	900.000 sq	ηm	
				7	otal Deduct	ed Quantity	0.000 sqm		
	Net Total Quantity 900.000 sqm								
			5	Say 900.000	sqm @ Rs	15.43 / sqm	Rs 138	887.00	
2	Demolishing brick work manually / by mechanical means including stacking of services disposal of unserviceable material within 50 metres lead as per direction of Engin								
	_	-	-		_	_			
	disposal of unservicea	-	-		_	_			
	disposal of unserviceatement mortar  Demolishing Brick work for providing shutter for pump	ble materi	ial within 50	) metres lea	3.000	_	Engineer-in	-Charg	
	disposal of unserviceatement mortar  Demolishing Brick work for providing shutter for pump	ble materi	ial within 50	0 metres lea	3.000	lirection of	1.201 1.201 cum	-Charg	
	disposal of unserviceatement mortar  Demolishing Brick work for providing shutter for pump	ble materi	ial within 50	0 metres lea	3.000  To	lirection of	1.201 1.201 cum 0.000 cum	-Charg	
	disposal of unserviceatement mortar  Demolishing Brick work for providing shutter for pump	ble materi	2.000	0 metres lea	3.000  To  Total Deduct	tal Quantity ed Quantity	1.201 1.201 cum 0.000 cum 1.201 cum	-Charg	
3	disposal of unserviceatement mortar  Demolishing Brick work for providing shutter for pump	ble materi	2.000	0.200	3.000  To  Total Deduct	tal Quantity ed Quantity	1.201 1.201 cum 0.000 cum 1.201 cum	-Charg	

	ramming of bottoms, li excavated soil as direct	•				vated soil a	and disposa	l of surp			
	For levelling	1	20.000	15.000	1.200		360.000				
	foundation for toilet	1	7.300	0.600	0.450		1.971				
	Soak pit	3.14	1.900	1.900	1.800	0.25	5.101				
	Septic tank	1	3.700	2.500	2.000		18.500				
	Column footing	38	1.500	1.500	1.500		128.250				
					То	tal Quantity	513.822 c	um			
				7	Total Deduct	ed Quantity	0.000 cum				
			Co	B.	Net To	tal Quantity	513.822 cu	ım			
	Net Total Quantity 513.822 cum  Say 513.822 cum @ Rs 309.95 / cum										
	concrete 1:6:12 (1 cemlevel with:Cement mortal Foundation for steps				0.300	L	0.117	-			
	for toilet	7.1	1.300	0.300	0.300		0.117				
			The state of the s								
	Foundation for toilet	1 Kor	7.300	0.600	0.450		1.971				
	Foundation for toilet  Basement of toilet	Ker	7.300 ala Wat 7.400	0.600 er Auth 0.450	0.450 Ority 0.450	7	1.971				
		Ker	ala Wat	er Auth	ority	3.14		1.00r			
	Basement of toilet	Ker D <sup>1</sup>	ala Wat 7.400	er Auth 0.450	0.450 1.650	3.14 tal Quantity	1.499 3.381	1.00r Inside of 1.00r			
	Basement of toilet	Ker D <sup>1</sup>	ala Wat 7.400	o.450 0.450	0.450 1.650	tal Quantity	1.499 3.381 6.968 cum	1.00r Inside ( 1.00r			
	Basement of toilet	Ker D <sup>1</sup>	ala Wat 7.400	o.450 0.450	0.450 1.650 To	tal Quantity	1.499 3.381 6.968 cum 0.000 cum	1.00r Inside ( 1.00r			
	Basement of toilet	Ker D <sup>1</sup>	1.450	0.450 0.450	0.450 1.650 To	tal Quantity ed Quantity tal Quantity	1.499 3.381 6.968 cum 0.000 cum 6.968 cum	1.00r Inside ( 1.00r			
5	Basement of toilet	position co	ala Wat 7.400 1.450	0.450 0.450	0.450  To Total Deduct Net To Im @ Rs 752	tal Quantity ed Quantity tal Quantity 20.41 / cum excluding th	1.499 3.381 6.968 cum 0.000 cum 6.968 cum Rs 52	1.00r Inside ( 1.00r  402.22			
5	Basement of toilet  Soak pit  4.1.5  Providing and laying in shuttering - All work up	position co	ala Wat 7.400 1.450	0.450 0.450	0.450  To Total Deduct Net To Im @ Rs 752	tal Quantity ed Quantity tal Quantity 20.41 / cum excluding th	1.499 3.381 6.968 cum 0.000 cum 6.968 cum Rs 52	<b>402.22</b> entering			

	base for column for control room	8	1.500	1.500	0.100		1.800	Total 12Nos, 4nos included in long column (Foot bridge)
	flooring toilet	1	2.100	1.500	0.100		0.316	including wearing course above RR
	DPC toilet	1	8.000	0.200	0.050		0.081	
	Septic tank base (foundation)	1	2.700	1.500	0.200		0.811	
	Soak pit over rubble masonry		1.450	0.450	0.050	3.14	0.103	Inside dia of pit- 1.00m, rubble masonry thickness- 0.45m
		Kera	ala Wat	er Auth	ority to	tal Quantity	9.861 cum	1
		$D \perp I$		T	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	9.861 cum	
			S	ay 9.861 cu	ım @ Rs 76	90.32 / cum	Rs 75	834.25
6	50.6.1.3 Solid block masonry us size confirming to IS 2 thickness 20cm and a	2185 Part I	of 1979 for	super struc	cture above	floor two le	evel up to f	
	Control room	1	30.800	0.200	4.300		26.488	
	Parapet	1	32.000	0.100	0.600		1.920	
	step for toilet	1	1.200	0.600	0.150		0.108	
	step for toilet	1	1.200	0.300	0.150		0.054	
	toilet	1	8.000	0.200	2.500		4.000	
	for renewing shutter	1	2.000	0.200	3.000		1.201	
	rolling shutter (controlroom)	1	3.000	0.200	3.500		-2.100	

						1					
	windows (control room)	5	1.100	0.200	1.500		-1.650				
	ventilator (toilet)	1	0.800	0.200	0.400		-0.064				
	toilet door	1	0.800	0.200	1.800		-0.288				
	column	10	0.400	0.200	4.100		-3.280				
	Lintel	1	30.800	0.200	0.200		-1.232				
					То	tal Quantity	33.771 cur	n			
				Т	otal Deduct	ed Quantity	-8.614 cum				
					Net To	tal Quantity	25.157 cum	1			
	Say 25.157 cum @ Rs 7784.73 / cum Rs 195840.45										
	designed pipe shaft with and pull operation com springs manufactured f and M.S. top cover of r top cover	nplete, incl rom high te	uding the co	ost of provi	ding and fix	king necess gth conform	ary 27.5 cn ing to IS: 44	n long wire 154 - part 1			
	For control room	1	3.000	in at 12/	3.500		10.500				
	For pump house	Ker	2.400 at	er Auth	3.000		7.200				
					То	tal Quantity	17.700 sqr	n			
			K	Т	otal Deduct	ed Quantity	0.000 sqm				
	Net Total Quantity 17.700 sqm										
	Say 17.700 sqm @ Rs 3617.29 / sqm Rs 64026.03										
8	10.5.1 Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a primin coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces										
	Door for toilet	1	1.000		1.800		1.800				
					То	tal Quantity	1.800 sqm				
				Т	otal Deduct	ed Quantity	0.000 sqm				
					Net To	tal Quantity	1.800 sqm				
			S	Say 1.800 sq	ım @ Rs 54	40.63 / sqm	Rs 97	93.13			
9 50.9.1.3  Providing wood work in frames of doors, windows, clerestory windows and other frames, wro and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold dash fastener shall be paid for separately). using good quality Vengai wood							_				

	Windows (horizontal)	5*2	1.250	0.075	0.075		0.071				
	Windows (vertical) for control room	5*4	1.500	0.075	0.075		0.169				
	Ventilators (horizontal) for toilet	1*2	0.950	0.075	0.075		0.011				
	Ventilators (vertical) for toilet	1*2	0.400	0.075	0.075		0.005				
					То	tal Quantity	0.256 cum				
				7	Total Deduct	ed Quantity	0.000 cum				
			100		Net To	tal Quantity	0.256 cum				
	Say 0.256 cum @ Rs 80265.15 / cum Rs 20547.88										
	35 mm thick shutters in necessary screws, excl Engineer in -charge.usi	uding pane	eling which wood	will be paid	1.h	_	olete as per				
	windows	5	1.000	1.500			7.500				
	ventilator	1	0.800	0.400			0.321				
		Ker	ala Wat	er Auth	nority To	tal Quantity	7.821 sqm				
		D 1			Fotal Deduct	1	-				
	Net Total Quantity 7.821 sqm  Say 7.821 sqm @ Rs 2666.62 / sqm										
11	5.33.1  Providing and laying in concrete for reinforced including pumping of coand reinforcement, incretard setting of concret Engineer - in-charge. No cement used as per deplinth beam for short	d cement of concrete to luding adm re, improve lote:- Cem	concrete wo site of laying nixtures in r workability ent content	ork, using on the commend without imposed considered	eement conding the cost ed proportion airing streng in this item	tent as per t of centerin ons as per l th and dura is @ 330 k	approved ong, shuttering S: 9103 to bility as per g/ cum. Exc	design mix, g, finishing accelerate, direction of ess or less			
	column of bridge (main)	8	3.170	0.400	0.400		4.058	between columns			
	plinth beam for long column of bridge (main-2.6m)	12	2.600	0.400	0.400		4.993	portion between columns			

column of bridge(main -3.17m)	8	3.170	0.400	0.400		4.058	betwee column
plinth beam for long column of bridge (tie beam)	15	1.500	0.400	0.400		3.601	portion between column
plinth beam for control room (long)	6	2.600	0.400	0.400		2.497	portio betwee columi
plinth beam for control room (short)	8	2.600	0.400	0.400		3.329	portio betwee
column footing for long columns-1st step	28	1.400	1.400	0.500		27.440	
column footing for long columns-lind step	28	1.200	1.200	0.300		12.096	
column portion for below ground level	28	0.400	0.400	0.600	Ž.	2.689	
column footing for short column for 1st level	10 Kera	1.400 ala Wat	1.400 er Auth	0.500 Ority		9.800	
column footing for short column for Ind level	P <sub>10</sub>	1.200	1.200	0.300	3	4.320	
column portion for below ground level	10	0.400	0.400	0.600		0.961	
				То	tal Quantity	79.842 cur	m
			Т	otal Deduct	ed Quantity	0.000 cum	
				Net To	tal Quantity	79.842 cun	n
		Sa	ay 79.842 cu	ım @ Rs 98	25.93 / cum	Rs 784	4521.90

Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer - in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately. All work above plinth level upto floor V level

floor slab and roof slab of control room	2	9.700	6.700	0.150	19.497	
slab for bridge	1	25+15.5	2.200	0.150	13.365	
beam under bridge slab(cross)	15	1.500	0.300	0.400	2.700	
beam under bridge slab(longitudinal)	2	25+15.5	0.300	0.400	9.720	
tie beams for bridge column(short)	5	1.500	0.250	0.300	0.563	
tie beams for bridge column(long)	2*10	1.500	0.250	0.300	2.250	
beam for roof slab	1*8	2.600	0.300	0.300	1.872	
beam for roof slab	1*3	9.400	0.300	0.300	2.538	
beam under floor slab	1*2	9.400	0.400	0.400	3.009	
beam under floor slab of control room-short	1*8	2.600	0.400	0.400	3.329	
Intermediate beams(long & short colums)	Kera 2	la Wat (25+15.5)	er Auth	0.300	6.075	Tie beam under control room
Intermediate beams(long colums - addl- (25+15.5- 14.287)	2	26.220	0.300	0.400	6.293	Tie beam under control room
Intermediate beams for control room-short	2*8	2.600	0.300	0.400	4.993	Tie beam under control room
Intermediate beams for control room-long	2*2	9.400	0.300	0.400	4.512	Tie beam under control room
long columns	28	0.400	0.400	8.000	 35.840	
short columns	10	0.400	0.400	4.500	7.201	
control room columns	12	0.400	0.300	4.500	6.480	

	column beam junctions	10*3	0.400	0.400	0.300		-1.440					
	floor slab beam	10	0.400	0.400	0.400		-0.640					
	beam roof slab	10	0.400	0.300	0.400		-0.480					
					То	tal Quantity	130.237 cı	um				
				Т	otal Deduct	ed Quantity	-2.560 cum	1				
					Net To	tal Quantity	127.677 cu	m				
	Say 127.677 cum @ Rs 11550.40 / cum Rs 1474720.42											
13	5.34.1 Extra for providing riche content used is payable BMC/RMC. (Note:- Cer Qty same as item	e/ recovera	able separatent considere	ely.Providin	g M-30 grad	de concrete	•					
	code 5.33.1& 5.33.2 ( 79.112+117.376)	1	79.842+12 7.677	ŠX			207.519					
	Total Quantity 207.519 cum											
	Total Deducted Quantity 0.000 cum											
	Net Total Quantity 207.519 cum											
		TO SE			Net To	tal Quantity	207.519 cu	m				
4.4	5.00	Ker			cum @ Rs 8	tal Quantity 85.70 / cum		m 784.38				
14	5.2.2 Reinforced cement con and string courses, fille excluding cost of center 3 graded stone aggregations.	crete work ets, column ring, shutte	ala Wat in walls (any s, pillars, pie ring, finishin	er Authorithickness), ers, abutme	cum @ Rs a OCTITY including a nts, posts a	85.70 / cum	Rs 17	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center	crete work ets, column ring, shutte	ala Wat in walls (any s, pillars, pie ring, finishin	er Authorithickness), ers, abutme	cum @ Rs a OCTITY including a nts, posts a	85.70 / cum	Rs 17	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggrega	crete work ets, column ring, shutte ate 20 mm	ala Wat in walls (any s, pillars, pie ring, finishin nominal size	er Auth thickness), ers, abutme g and reinfo	cum @ Rs a OCITY including a nts, posts a proement :1:	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregated Lintel	crete work ets, column ring, shutte ate 20 mm	in walls (any s, pillars, pie ring, finishin nominal size 30.800	thickness), ers, abutme g and reinfo	cum @ Rs and cority including a nts, posts and corement :1:	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregat Lintel	crete work ets, column ring, shutte ate 20 mm  1	in walls (any s, pillars, pillars, pillars, finishin nominal size 30.800	thickness), ers, abutme g and reinfo	cum @ Rs and cority including a nts, posts a preement :1:	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc 1.233 2.408	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregat Lintel sun shade cantilever slab	crete work ets, column ring, shutte ate 20 mm  1  1	in walls (any s, pillars, pill	thickness), ers, abutme g and reinfo	cum @ Rs and cority including a nts, posts a preement :1:  0.200  0.100  0.150	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc  1.233  2.408  1.800	784.38 esses, plinthor five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregat Lintel sun shade cantilever slab roof slab of latrine	crete work ets, column ring, shutte ate 20 mm  1  1  1	in walls (any s, pillars, pill	thickness), ers, abutme g and reinfo	cum @ Rs and cum @ Rs and cum @ Rs and cum @ Rs and cum multiple in cum multin cum multiple in cum multiple in cum multiple in cum multiple in	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc  1.233  2.408  1.800  1.016	784.38 esses, plinth or five leve				
14	Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregat Lintel sun shade cantilever slab roof slab of latrine lintel of latrine	crete work ets, column ring, shutte ate 20 mm  1  1  1  1	in walls (any s, pillars, pill	thickness), ers, abutme g and reinfo	cum @ Rs and cum @ Rs and cum @ Rs and cum @ Rs and cum multiple in cum multin cum multiple in cum multiple in cum multiple in cum multiple in	85.70 / cum	Rs 17 sters, buttre c. up tot flo nent : 1.5 cc  1.233  2.408  1.800  1.016  0.321	784.38 esses, plinth or five leve				

	floor of septic tank	1	2.700	1.500	0.150		0.608			
	Baffle wall of septic tank	2	1.200	0.100	1.100		0.264			
	cover slab for septic tank	1	2.700	1.500	0.150		0.608			
	cover slab for sock pit (3.14x1.90x1.90x0.15/ 4)	1	1.900	1.900	0.150	0.79	0.428			
	top of sock pit RR masonry	3.14	1.900	0.450	0.005		0.014			
					То	tal Quantity	11.135 cur	n		
			(Cata	: A (A):	otal Deduct	ed Quantity	0.000 cum			
					Net To	tal Quantity	11.135 cum	1		
	Say 11.135 cum @ Rs 11433.93 / cum Rs 127316.81									
	Steel reinforcement for binding all complete up		evelThermo	The same of the sa	cally Treate		• .			
	Item No.11	1	79.842	101 DL 2-2-17		110.0	8782.620			
	Item No.12	Kera	1127.677.t	er Auth	ority	110.0	14044.471			
	Item No.14	1	11.135			110.0	1224.850			
					То	tal Quantity	24051.941	kilogram		
				Т	otal Deduct	ed Quantity	0.000 kilogi	am		
					Net To	tal Quantity	24051.941	kilogram		
		S	ay 24051.94	1 kilogram	@ Rs 102.6	1 / kilogram	Rs 246	7969.67		
16	5.9.1 Centering and shutterin columns, etc for mass of	-	strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	s, bases o		
	column footing for long columns-1st step	28	1.400*4		0.500		78.400			
_	column footing for long columns-lind step	28	1.2*4		0.300		40.320			
	column portion for below ground level	28	0.400*4		0.600		26.880			

	column footing for short column for 1st level	10	1.400*4		0.500		28.000	
	column footing for short column for Ind level	10	1.2*4		0.300		14.400	
	column portion for below ground level	10	0.400*4		0.600		9.600	
					To	tal Quantity	197.600 so	mp
				7	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	197.600 sq	m
			Sa	y 197.600 s	sqm @ Rs 3	50.00 / sqm	Rs 69	160.00
17	5.9.3 Centering and shutter landings, balconies ar			etc. and	removal of	form for:Su	spended flo	oors, roo
	sun shade bottom		34.400	0.700	1-2		24.080	
	sun shade side	(/1)	37.200		0.100	5	3.721	
	cantilever slab bottom	1	6.000	2.000			12.000	
	cantilever slab side	1	6+2	and and	0.150		1.200	
	roof slab of latrine (inside of latrine)	Ker	ala Wat	er Auth 1.500	ority		3.151	
	roof slab of latrine (outside projection)	1	10.800	0.500	上	1	5.400	
	roof slab of latrine sides	1	12.800		0.100		1.281	
	slab for bridge	1	25+15.5	2.500			101.250	
		1*2	25+15.5		0.150		12.150	
	control room Floor & roof slab	2	9.700	6.700			129.980	
		2	9.7*2+6.7*		0.150		9.840	
	cover slab for septic tank	1	4.400	2.400			10.560	
		1	4.4*2+2.4*		0.150		2.040	
			2					

							T	
	soak pit cover slab side	3.14	1.900		0.150		0.895	
	side wal of septic tank inside	1	2.10*2+1. 50*2	1.3500			9.720	
	out side	1	2.50*2+1. 90*2	1.500			13.201	
	baffle wall	2*2	1.200	1.100			5.280	
					Tota	l Quantity	348.889 sc	mp
				7	Total Deducted	d Quantity	0.000 sqm	
					Net Tota	l Quantity	348.889 sq	m
			Sa	y 348.889 s	sqm @ Rs 851	.52 / sqm	Rs 297	'085.96
18	5.9.5 Centering and shuttering girders bressumers and			etc. and ren	noval of form	for:Lintels	s, beams, pli	inth beams
	Lintel (control room)	2	30.800	33/2	0.200	/	12.320	
	Lintel (latrine)	2	8.000		0.200		3.200	
	cantilever beam nr PH	2	2.000	0.300			1.200	
		2	2.000	a artic	(0.3- 0.15)/2		0.300	
	beam over shutter	Ker	ala <sub>3.300</sub> at	er <sub>0.250</sub> tt	ority		1.650	
		2	3.300		0.600		3.960	
	beam under bridge slab(cross)	15	1.500	0.400		1	9.001	
		15	1.500		0.800		18.001	
	beam under bridge slab(longitudinal)	2	25+15.5	0.300			24.300	
	beam under bridge slab(longitudinal)	2	25+15.5		0.800		64.800	
	tie beams for bridge column(short)	1*5	1.500	0.250			1.875	
		1*5	1.500		0.600		4.500	
	tie beams for bridge column(long)	2*10	1.500	0.250			7.500	
		2*10	1.500		0.600		18.000	
	beam under floor slab	2	9.400	0.400			7.521	

	2	9.400		0.800		15.041
	8	2.600	0.400			8.320
	8	2.600		0.800		16.640
beam for roof slab	8	2.600	0.300			6.240
	8	2.600		0.600		12.480
beam for roof slab	3	9.400	0.300			8.460
beam for roof slab	3	9.400		0.600		16.920
Intermediate beams (Iongitudinal- long+short colums	2	(25+15.5)	0.300			24.300
	2	(25+15.5)		0.800		64.800
Intermediate beams- (addl long colums)	2	26.200	0.300	1		15.720
	2	26.200		0.800	1	41.920
Intermediate beams- control room	2*8	2.600	0.300			12.480
	2×8er	al2.600at	er Auth	010.890		33.280
long beams	2*2	9.400	0.300	7 T	7	11.280
	2*2	9.400		0.800		30.081
plinth beam (long+short colums)_	2	(25.0+15.5	0.400			32.400
	2	(25.0+15.5		0.800		64.800
-do- tie beam	1*15	1.500	0.400			9.001
	1*15	1.500		0.800		18.001
plinth beam for control room- Addl	2	9.800	0.400			7.841
	2	9.800		0.800		15.681
control room	8	2.600	0.400			8.320
	8	2.600		0.800		16.640
				To	otal Quantity	668.774 sqm
			1	Total Deduc	ted Quantity	0.000 sqm
					· ·	

			Say	y 668.774 s	sqm @ Rs 67	8.28 / sqm	Rs 453	616.03
19	5.9.6 Centering and shutter Abutments, Posts and	-	ng strutting	, etc. and	removal of f	form for:C	olumns, Pil	lars, Pie
	column long	28	1.600		8.000		358.401	
	column short	10	1.600		4.500		72.000	
					Tota	al Quantity	430.401 sc	m
				7	Total Deducte	d Quantity	0.000 sqm	
					Net Tota	al Quantity	430.401 sq	m
			Say	y 430.401 s	sqm @ Rs 90	1.48 / sqm	Rs 387	997.89
20	13.7.1 12 mm cement plaster f	inished with	n a floating co	oat of neat	cement of mix	x:1:3 ( 1 ce	ement : 3 fine	e sand)
	ceiling of roof slab and bottom of floor slab	2	9.700	6.700	1		129.980	
	top of roof slab	1	9.700	6.700	1-21		64.990	
	Sides of roof slab and floor slab	2	9.70*2+6. 70*2		0.150		9.840	
	Roof slab of toilet top	1	3.500	2.900	5%		10.150	
	Roof slab of toilet ceiling	Kera	11 <b>2.10</b> 0at	er1,500 th	ority		3.151	
	Roof slab of toilet sides		3.50*2+2. 90*2		0.100		1.281	
	Roof slab of toilet bottom of projection	1	10.800	0.500			5.400	
	floor finishing (control room)	1	9.000	6.000			54.000	
	floor finishing (control room) front to bridge	1	3.000	2.000			6.000	
	sun shade top and bottom	2	34.400	0.700			48.160	
	sun shade side	1	37.200		0.100		3.721	
	baffle walls of septic tank	2	2*(1.1+0.1 0)		1.2000		5.761	
	side wall of septic tank (inside)	1	2.4*2+1.2* 2		1.350		9.720	

roof top of existing intake well pump house	1	3.14*6.65	6.650		0.25	34.715	to avoid leaking of intake well roof
cantilever beam sides and bottom	2	2.000		0.900		3.600	
beam over shutter	2	3.300		0.600		3.960	
beam under bridge slab(cross) 2 sides and bottom	15	1.500		.3*2+.4		22.500	
beam under bridge slab(longitudinal) 2 sides and bottom	2	25+15.5	£	.3*2+.4		81.000	
tie beam -cross for bridge column(short & long ) around	15	1.500		1.100		24.751	
tie beam -longitudinal for bridge (long & short)	2	(25+15.50 0)		1.100	Ł	89.101	
plinth beam for bridge column(short) around	15	1.500		1.600		36.001	
tie beam-cross for bridge column(long) around	Ker:	ala Wat	er Auth	1.100	-	16.500	
tie beam-longitudinal for bridge (long	2	26.200		1.100		57.640	
plinth beam for bridge column(long & short ) around	2	(25+15.50 0)		1.600		129.600	
beam for roof slab short	4	2.750		0.900		9.900	
beam for roof slab	1*3	2.750		0.900		7.426	
long beam and short beam over wall bottom projection (inside of room)	1	30.000	0.100			3.000	
beam under floor slab of control room-long	1*2	9.400		1.200		22.560	

						1		
	beam under floor slab of control room-short	1*8	2.600		1.200		24.960	
	Intermediate beams for control room-short	2*8	2.600		1.400		58.240	
	Intermediate beams for control room-long	2*3	9.400		1.400		78.961	
	long columns	28		1.600	8.000		358.401	
	short columns	10		1.600	4.500		72.000	
	control room columns (inside)	2		1.400	4.200		11.760	
	control room columns (projections of outer columns)	6*2	A	0.100	4.200		5.041	
		-	E3 1		То	tal Quantity	1503.771 s	sqm
		619	W RZ	51/1	Γotal Deduct	ed Quantity	0.000 sqm	
		18	T SILE	13/11	Net To	tal Quantity	1503.771 s	qm
		102	Say	1503.771 s	sqm @ Rs 4	18.79 / sqm	Rs 629	764.26
21	13.8.2 15 mm cement plaste cement of mix:1: 4 ( 1	_	7.74 Au			ished with	a floating c	oat of neat
	wall of control room inside		30.000		4.500		135.000	
	wall of control room outside	1	31.600		4.500		142.201	
	parapet inside, top and outside	1	32.400		1.300		42.120	
	toilet outside	1	8.800		2.800		24.640	
	toilet inside	1	7.200		2.800		20.160	
	basement of toilet	1	9.200		0.450		4.140	
	shutter gap	1	2.000	3.000	3.500		-21.000	
	window	5	1.100	1.500			-8.250	
	ventilator	1	0.800	0.400			-0.320	
	door for toilet	1	0.800		1.800		-1.440	
					То	tal Quantity	368.261 sc	m
				7	Total Deduct	ed Quantity	-31.010 sqr	n
					Net To	tal Quantity	337.251 sq	m
							<u> </u>	

			Sa	y 337.251 s	sqm @ Rs 453	3.75 / sqm <b>Rs 153027.64</b>
22	13.44.1 Finishing walls with war @ 3.84 kg/10 sqm)	ter proofing	g cement pair	nt of require	ed shade:New	work (Two or more coats applied
	wall of control room(inside )	1	30.000		4.500	135.000
	wall of control room outside	1	31.600		4.500	142.201
	parapet inside, top	1	32.400		1.300	42.120
	ceiling of control room roof slab and bottom of floor slab	2	9.700	6.700		129.980
	sides of roof slab and floor slab	2	9.7*2+6.7*		0.150	9.840
	roof slab and floor slab projection bottom	2	32.200	0.150	Hall	9.660
	sun shade of control room (bottom)		34.400	0.700		24.080
	sun shade of control room (side around)	1 Ker	37.200 ala Wat	er Autl	0.100 1011tV	3.721
	toilet wall outside	1	8.800		2.800	24.640
	toilet wall inside	1	7.200		2.800	20.160
	basement of toilet	1	9.200		0.450	4.140
	ceiling of toilet	1	2.100	1.500		3.151
	roof slab of toilet sides	1	3.5*2+2.9* 2		0.100	1.281
	roof slab of toilet projection bottom	1	10.800	0.500		5.400
	cantilever beam	2	2.000		0.900	3.600
	beam over shutter	2	3.300		0.600	3.960
	beam under bridge slab(cross)	15	1.500		1.200	27.000
	beam under bridge slab(longitudinal)	2	25+15.5		1.200	97.200
	tie beams cross for bridge column(short & long)	15	1.500		1.100	24.751

					tal Quantity 12.09 / sqm	1629.551 s	qm :656.37
			Т	otal Deduct	ed Quantity	-31.010 sqr	n
				То	tal Quantity	1660.561	sqm
door of toilet	1	0.800		1.800		-1.440	
ventilator of toilet	1	0.800		0.400		-0.320	
room 2 sides window	5	1.100		1.500		-8.250	
shutter gap of control	2	3.000		3.500		-21.000	
control room columns	8		1.400	4.500		50.400	
short columns	10		1.600	4.500		72.000	
long columns	28		1.600	8.000		358.401	
Intermediate beams for control room-long	2*3	9.400		1.400		78.961	
Intermediate beams for control room-short	2*8	2.600		1.400		58.240	
beam under floor slab of control room-short	1*8 Kera	2.600 ala Wat	er Auth	(0.4+0.4) Ority		16.640	
beam under floor slab of control room-long	1*2	9.400		(0.4+0.4)	1	15.041	
beam for roof slab long (intermediate beams)	1*3	2.750	5/	(0.3+0.3)		4.950	
beam for roof slab short (intermediate beams)	2*2	2.750	A.	(0.3+0.3)		6.600	
plinth beam Longit. for bridge (long & short)	2	25.000+15 .5		0.4*3		97.201	
plinth beam cross for bridge (long & short)	15	1.500		0.4*3		27.001	
tie beam longi. for bridge column(long)	2	26.200		1.100		57.640	
tie beams cross for bridge column(long)	1*10	1.500		1.100		16.500	
tie beams long. for bridge column(short & long)	2	25+15.5		1.100		89.101	

23	13.60.1 Wall painting with acryli or more coats on new w		n paint of app	proved bran	d and manu	facture to g	ive an even	shade:1
	Wall	2	3.140	3.600	1.000	3.5	79.128	
	PH inside	2	3.140	3.000	4.500		84.780	
	PH outside	2	3.140	3.600	4.500		101.736	
	PH ceiling	1	3.140	3.000	3.000		28.260	
	Sunshade bottom &Floor proj. bottom	2	3.140	6.650	0.700		29.234	
					То	tal Quantity	323.138 so	m
			0	S 7	Total Deduct	ed Quantity	0.000 sqm	
			M		Net To	tal Quantity	323.138 sq	m
24	13.37.1 White washing with lime	to give ar	N. P.	51/	sqm @ Rs 1		Rs 510	062.27
	top of roof slab inside parapet(control room)		9.200	6.200			57.040	
	top of sunshade (control room)	1	34.400	0.700	Dif.		24.080	
	top of roof slab (toilet)	Ker	ala <sub>3.500</sub> at	er <sub>2.900</sub> th	ority		10.150	
	roof top of existing intake well		3.800	3.800	F	3.14	45.342	
	sun shade top of existing intake well	1	6.650	0.700		3.14	14.617	
					То	tal Quantity	151.229 sc	qm
				7	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	151.229 sq	m
			S	ay 151.229	sqm @ Rs	35.10 / sqm	Rs 53	08.14
25	13.50.3 Applying priming coat manufacture on steel		•		nc chromat	e primer of	f approved	brand a
	shutter primer coating -Cf-1.1	4	3.000		3.500	1.1	46.200	
					То	tal Quantity	46.200 sqr	n
				7	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	46.200 sqm	1

				Say 46.200	sqm @ Rs	62.27 / sqm	Rs 28	76.87
26	13.48.3 Finishing with Deluxor manufacturers specific Two or more coat appapproved brand and manufacturers.	ations:Pain lied @ 0.90	ting Steel wo tr/10 sqm o	ork with Del	uxe Multi Sı	urface Paint	to give an	even shade.
	rolling shutter	4	3.000	3.500	1.100		46.200	
	window	5	1.100	1.500	1.100		9.076	
					To	otal Quantity	55.276 sqr	n
				Т	otal Deduct	ted Quantity	0.000 sqm	
					Net To	otal Quantity	55.276 sqm	1
			S	ay 55.276 s	qm @ Rs 1	54.62 / sqm	Rs 85	46.78
27	13.71 Lettering with black Ja	pan pint of a	approved bra	nd and man	ufacture			
	letters of height 25cm	100	TO AR	20/1	25.000		2500.000	
		15	Di		To	otal Quantity	2500.000 l ht	_etterxcm
		100		J	otal Deduct	ted Quantity	0.000 Lette	rxcm ht
			Ban	a and	Net To	otal Quantity	2500.000 L	etterxcm h
		Say	2500.000 Let	terxcm ht @	Rs 5.80 / L	_etterxcm ht	Rs 14	500.00
28	11.21.1.1	mm thick a						r usina acid
	Providing and fixing 10 and / or alkali resisting 4457, complete as per (1 acid proof cement:	the direction	n of Enginee	er-in-Charge	.In flooring		•	t as per IS
	and / or alkali resisting 4457, complete as per	the direction	n of Enginee	er-in-Charge	.In flooring		•	t as per IS
	and / or alkali resisting 4457, complete as per (1 acid proof cement :	the direction 4 coarse sa	n of Enginee and)Acid and	er-in-Charge alkali resist	.In flooring		10 mm thick	t as per IS
	and / or alkali resisting 4457, complete as per (1 acid proof cement : floor tiles of toilet	the direction 4 coarse sa	n of Enginee and)Acid and 2.100	er-in-Charge alkali resist 1.500	In flooring ant tile		3.151 0.161	t as per IS k mortar 1:4
	and / or alkali resisting 4457, complete as per (1 acid proof cement : floor tiles of toilet	the direction 4 coarse sa	n of Enginee and)Acid and 2.100	er-in-Charge alkali resist 1.500 0.200	In flooring ant tile	on a bed of	3.151 0.161 3.312 sqm	t as per IS k mortar 1:4
	and / or alkali resisting 4457, complete as per (1 acid proof cement : floor tiles of toilet	the direction 4 coarse sa	n of Enginee and)Acid and 2.100	er-in-Charge alkali resist 1.500 0.200	In flooring ant tile  To	on a bed of	3.151 0.161 3.312 sqm 0.000 sqm	t as per IS k mortar 1:4
	and / or alkali resisting 4457, complete as per (1 acid proof cement : floor tiles of toilet	the direction 4 coarse sa	2.100 0.800	er-in-Charge alkali resist 1.500 0.200	In flooring ant tile  To otal Deduct	on a bed of  otal Quantity ted Quantity	3.151 0.161 3.312 sqm 0.000 sqm 3.312 sqm	t as per IS k mortar 1:4
29	and / or alkali resisting 4457, complete as per (1 acid proof cement : floor tiles of toilet	the direction 4 coarse sa  1  1  mm thick a mortar bed the direction	2.100 0.800 Sicid and /or adding, and join of Engineer	er-in-Charge alkali resist  1.500 0.200  T  ay 3.312 sq  Ikali resistants filled with	Total Deduct Net To m @ Rs 18 nt tiles of ap n acid and /e.In dado/ sk	on a bed of otal Quantity otal Quantity otal Quantity of 36.85 / sqm	3.151 0.161 3.312 sqm 0.000 sqm 3.312 sqm Rs 60	t as per IS c mortar 1:4 983.65 r using acid t as per IS

					То	tal Quantity	12.960 sqr	n
				Т	otal Deduct	ed Quantity		
							12.960 sqn	1
			Sa	ay 12.960 sq			-	600.28
30	11.37 Providing and laying manufacturer), of 1st of Grey, Fume Red Brown pointing the joints with	quality conforwn, laid on 2	rming to IS: 0 mm thick	15622, of a cement mor	pproved ma tar 1:4 (1 C	ike, in colou Gement : 4 C	rs such as \	Vhite, Ivory,
	toilet floor	1	2.100	1.500			3.151	
			-		То	tal Quantity	3.151 sqm	
			1/68	\$6\\T	otal Deduct	ed Quantity	0.000 sqm	
			C.1		Net To	tal Quantity	3.151 sqm	
		1	S	Say 3.151 sq	m @ Rs 11:	38.82 / sqm	Rs 35	88.42
	Tile work in skirting, rid (1 cement : 3 coarse sement mixed with pig	sand) and joi	nted with gr	ey cement s	slurry @ 3.3	kg/sqm, inc	luding point	ing in white
	toilet walls	1 Kera	2.100+1.5 +2.1+1.5	er Auth	2.100 Ority		15.121	
					То	tal Quantity	15.121 sqr	n
		$P \perp$		Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	15.121 sqn	ı
			Sa	ay 15.121 sq	m @ Rs 15	23.00 / sqm	Rs 23	
32	od2083/2019_2020							029.28
	Providing sanitary fac taps, 250ltr capacity P of departmental office	VC water tar		_		•		basin, steel
	Providing sanitary fac taps, 250ltr capacity P	VC water tar		_		•		basin, steel
	Providing sanitary fac taps, 250ltr capacity P	VC water tarrs in charge.		_	nitary and e	•	1.000	basin, steel
	Providing sanitary fac taps, 250ltr capacity P	VC water tarrs in charge.		required sa	nitary and e	electrical fitti	1.000 1.000 No	basin, steel
	Providing sanitary fac taps, 250ltr capacity P	VC water tarrs in charge.		required sa	To	electrical fitti	1.000 1.000 No 0.000 No	basin, steel
	Providing sanitary fac taps, 250ltr capacity P	VC water tarrs in charge.		required sa	To Total Deduct	tal Quantity ed Quantity tal Quantity	1.000 1.000 No 0.000 No 1.000 No	basin, steel
33	Providing sanitary fac taps, 250ltr capacity P	VC water tarrs in charge.	nk and other	required sa	To Total Deduct Net To	tal Quantity ed Quantity tal Quantity 488.69 / No	1.000 1.000 No 0.000 No 1.000 No Rs 42	basin, steel he direction

					To	tal Quantity	1.000 No	
				7	Total Deduct			
					Net To	tal Quantity	1.000 No	
				Say 1.000 I	No @ Rs 80	000.00 / No	Rs 80	00.00
34	od173455/2020_2021 Providing and fixing MS as per standards includi			•	e in RCC sla	b (ceiling of	f control roo	m) or be
		Provid	ding MS hoo	k in the ceili	ng of contro	l room		
	MS hook	12					12.000	
					To	tal Quantity	12.000 No	
			100	- M.	Total Deduct	ed Quantity	0.000 No	
			7/1	31/5	Net To	tal Quantity	12.000 No	
			436	Say 12.00	0 No @ Rs	301.61 / No	Rs 36	19.32
35	10.16.2		L K-7-311	77. B/A	uta a les ma	4la.a.a 4 \		
	Steel work in built up to cutting, hoisting, fixing pand bolted with special	position an shaped wa	ashers etc.	a priming co	oat of appro ot finished s	ved steel pr eamless typ	imer, includ	
	Steel work in built up to cutting, hoisting, fixing p	position an shaped wa Hand	d applying ashers etc.	a priming co	pat of approport finished seel bar-3.16	ved steel pr eamless typ	imer, includ	
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer	position an shaped wa Hand	d applying ashers etc.	a priming co complete.Ho	pat of approport finished seel bar-3.16	ved steel pr eamless typ (g/m)	imer, includ be tubes	
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-	position and shaped was Hand 2*3 erg	ad applying ashers etc. d rails for br	a priming co complete.Ho	pat of appropriate of finished seel bar-3.16	ved steel preamless types (g/m)  3.16	imer, includ be tubes 767.880	
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-	position and shaped was Hand 2*3 erg	ad applying ashers etc. d rails for br	a priming cocomplete.Horidge-(MS ster Auth	pat of appropriate of finished seel bar-3.16	ved steel preamless types (g/m)  3.16	imer, includ be tubes 767.880	
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-both side longitudinal-3 layer	position and shaped was Hand 2*3 e 13 e	ashers etc. d rails for br 25+15.5 ate for bridg	a priming cocomplete.Horidge-(MS ster Auth	pat of appropriate of finished seel bar-3.16	ved steel preamless types (g/m) 3.16 3.16	767.880 99.540	
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-both side longitudinal-3 layer both side vertical-2m spacing-both side	position an shaped was Hand 2*3 e 1 ga 4	ashers etc. d rails for br 25+15.5 ate for bridg	a priming cocomplete.Horidge-(MS ster Auth	oat of approof finished seel bar-3.16ld	ved steel preamless types (g/m) 3.16 3.16 m) 3.16	767.880 99.540 15.168 28.440	ing welc
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-both side longitudinal-3 layer both side vertical-2m spacing-both side	position an shaped was Hand 2*3 e 1 ga 4	ashers etc. d rails for br 25+15.5 ate for bridg	a priming cocomplete.Hotidge-(MS ster Authority)	oat of approof finished seel bar-3.16ld	yed steel preamless types (g/m) 3.16 3.16 3.16 3.16 tal Quantity	767.880 99.540 15.168 28.440 911.028 kg	ing welc
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-both side longitudinal-3 layer both side vertical-2m spacing-both side	position an shaped was Hand 2*3 e 1 ga 4	ashers etc. d rails for br 25+15.5 ate for bridg	a priming cocomplete.Hotidge-(MS ster Authority)	oat of approof finished seel bar-3.16ld  0.750  bar-3.16kg/ld  0.750  Total Deduct	ved steel preamless types (g/m) 3.16 3.16 3.16 3.16 tal Quantity ed Quantity	767.880 99.540 15.168 28.440 911.028 kg	ing welc
	Steel work in built up to cutting, hoisting, fixing pand bolted with special longitudinal-3 layer both side vertical-2m spacing-both side longitudinal-3 layer both side vertical-2m spacing-both side	position an shaped was Hand 2*3 e 1 ga 4	ashers etc. d rails for br 25+15.5 ate for bridg	a priming cocomplete.Hotidge-(MS ster Authority)	oat of approof finished seel bar-3.16ld  0.750  bar-3.16kg/ld  0.750  Total Deduct	yed steel preamless types (g/m) 3.16 3.16 3.16 3.16 tal Quantity ed Quantity tal Quantity	767.880 99.540 15.168 28.440 911.028 kg	ing welc

2Civil Works.(a) Construction of Electrical Control room, RCC Columns with foot bridge to Thonithady Raw water pumping station-(3)Construction of waste water drain. (Cost Index:41.53 %)

	2.31 Clearing jungle including to 30 cm measured at m outside the peripher	a height of	1 m above g	-				-
		1	50.000	2.000			100.000	
		1	1		To	otal Quantity	100.000 s	qm
				٦	Total Deduc	ted Quantity	0.000 sqm	
					Net To	otal Quantity	100.000 sc	ım
			S	ay 100.000	sqm @ Rs	15.43 / sqm	Rs 1	543.00
2	2.8.1 Earth work in excavate trenches or drains (no ramming of bottoms, I excavated soil as directions).	ot exceeding lift up to 1.5 ected, within	g 1.5 m in w 5 m, includin n a lead of 5	idth or 10 s ng getting o 0 m.All kin	sqm on plan out the exca ds of soil	n), including	dressing o	of sides a
		1 1	45.000	1.700	0.500		38.250	
		14			1 17	otal Quantity		m
		1674c			ACCEPT.	ted Quantity		
3	7.1.1	Ker			cum @ Rs 3	otal Quantity 809.95 / cum		855.59
3	7.1.1 Random rubble maso concrete 1:6:12 (1 cem level with:Cement mort	nry with ha nent : 6 coai	ala Wat ard stone in rse sand : 12	er Auth foundation graded sto	cum @ Rs 3 10rity and plinth	309.95 / cum	Rs 11	<b>855.59</b>
3	Random rubble maso concrete 1:6:12 (1 cem	nry with ha nent : 6 coai	ala Wat ard stone in rse sand : 12	er Auth foundation graded sto	cum @ Rs 3 10rity and plinth	309.95 / cum	Rs 11	<b>855.59</b> vith ceme
3	Random rubble maso concrete 1:6:12 (1 cem	nry with ha nent : 6 coar tar 1:6 (1 ce	ala Wat and stone in rse sand : 12 ement : 6 coa	er Auth foundation graded sto arse sand) 1.700	cum @ Rs 3 nority and plinth one aggrega 0.250	including leate 20 mm no	Rs 11 velling up vominal size) 19.125	855.59 vith ceme up to plir
3	Random rubble maso concrete 1:6:12 (1 cem	nry with ha nent : 6 coar tar 1:6 (1 ce	ala Wat and stone in rse sand : 12 ement : 6 coa	er Auth foundation graded sto arse sand) 1.700	oum @ Rs 3  Ority and plinth one aggrega  0.250  Total Deduc	including leate 20 mm noted	Rs 11 velling up vominal size) 19.125 19.125 cui 0.000 cum	855.59 vith ceme up to plir
3	Random rubble maso concrete 1:6:12 (1 cem	nry with ha nent : 6 coar tar 1:6 (1 ce	ala Wat ard stone in rse sand : 12 ement : 6 coa 45.000	er Auth foundation graded sto arse sand) 1.700	oum @ Rs 3  Ority and plinth one aggrega  0.250  Total Deduc  Net To	including leate 20 mm notal Quantity otal Quantity	Rs 11 velling up vominal size) 19.125 19.125 cur 0.000 cum 19.125 cur	evith ceme up to plir
4	Random rubble maso concrete 1:6:12 (1 cem	nry with hannent: 6 coantar 1:6 (1 ce	ala Wat and stone in rse sand : 12 ement : 6 coa 45.000	er Auth foundation graded sto arse sand) 1.700  y 19.125 cu ade of reinfent - All wo	orced ceme	including leader 20 mm notal Quantity otal Q	Rs 11 velling up vominal size) 19.125 19.125 cur 0.000 cum 19.125 cur Rs 143	vith ceme up to plin
	Random rubble maso concrete 1:6:12 (1 cem level with:Cement more)  5.1.3 Providing and laying i centering, shuttering, f	nry with hannent: 6 coantar 1:6 (1 ce	ala Wat and stone in rse sand : 12 ement : 6 coa 45.000	er Auth foundation graded sto arse sand) 1.700  y 19.125 cu ade of reinfent - All wo	orced ceme	including leader 20 mm notal Quantity otal Q	Rs 11 velling up vominal size) 19.125 19.125 cur 0.000 cum 19.125 cur Rs 143	vith ceme up to plir
	Random rubble maso concrete 1:6:12 (1 cem level with:Cement more)  5.1.3 Providing and laying i centering, shuttering, f	in position similaring and aggregate 2	ala Wat and stone in rse sand : 12 ement : 6 coa 45.000  Sa specified gra d reinforceme 20 mm nomi	er Auth foundation graded sto arse sand) 1.700  y 19.125 cu ade of reinf ent - All wo nal size)	orced cemerk up to plin	including leader 20 mm notal Quantity otal Q	Rs 11  velling up vominal size)  19.125  19.125 cur  0.000 cum  19.125 cur  Rs 14:  , excluding 4 ( 1 cemer	vith ceme up to plin m ass27.84 the cost at : 2 coar
	Random rubble maso concrete 1:6:12 (1 cem level with:Cement more)  5.1.3 Providing and laying i centering, shuttering, f	in position similaring and aggregate 2	ala Wat and stone in rse sand : 12 ement : 6 coa 45.000  Sa specified gra d reinforceme 20 mm nomi	er Auth foundation graded sto arse sand) 1.700  y 19.125 cu ade of reinf ent - All wo nal size) 2.600	orced cemerk up to plin	including leader 20 mm notal Quantity otal Q	Rs 11  velling up vominal size)  19.125  19.125 cur  0.000 cum  19.125 cur  Rs 143  , excluding 4 ( 1 cemer)  11.701 cur	vith ceme up to plin m ass27.84 the cost
	Random rubble maso concrete 1:6:12 (1 cem level with:Cement more)  5.1.3 Providing and laying i centering, shuttering, f	in position similaring and aggregate 2	ala Wat and stone in rse sand : 12 ement : 6 coa 45.000  Sa specified gra d reinforceme 20 mm nomi	er Auth foundation graded sto arse sand) 1.700  y 19.125 cu ade of reinf ent - All wo nal size) 2.600	orced cemerk up to plin  0.100  Total Deductor    Orced cemerk up to plin  0.100  Total Deductor    To	including leader 20 mm notal Quantity otal Quantity	Rs 11  velling up vominal size)  19.125  19.125 cur  0.000 cum  19.125 cur  Rs 14:  , excluding 4 ( 1 cemer  11.701  11.701 cur  0.000 cum	vith ceme up to plir m ass27.84 the cost at : 2 coar

5	5.9.2 Centering and shuttering attached pilasters, butt		•			for:Walls (a	ny thicknes	s) including
	inside of drain	2	45.000		0.450	1.1	44.551	
	outside of drain	2	45.000		0.550	1.1	54.451	
					То	tal Quantity	99.002 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	99.002 sqm	1
			S	ay 99.002 s	qm @ Rs 7	48.62 / sqm	Rs 74	114.88
6	5.22.6 Steel reinforcement fo binding all complete u		774		-	• .		
	steel reinforcement @ 60kg/m3 of concrete	1	11.701			0.6	7.021	
		11	D. E.	37/1	То	tal Quantity	7.021 kilog	ram
		NA	DE		otal Deduct	ed Quantity	0.000 kilogi	am
		14/4		25 X 3	Net To	tal Quantity	7.021 kilogi	am
			Say 7.02	1 kilogram	@ Rs 102.6	1 / kilogram	Rs 72	20.42
7	13.7.2 12 mm cement plaster t	inished with	a la Wat n a floating c	oat of neat	cement of m	nix:1:4 ( 1 ce	ment : 4 fine	e sand)
	drain inside and outside		45.000	3.700		1	166.500	
					То	tal Quantity	166.500 sc	ım
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	166.500 sq	m
			Sa	y 166.500 s	qm @ Rs 40	03.29 / sqm	Rs 67	147.79
SI No	Description	No	L	В	D	CF	Quantity	Remark
3Civil w	orks-(b)Construction o road work(1					plant site A dex:41.53 %	-	pproach
1	2.31 Clearing jungle including to 30 cm measured at a m outside the peripher	a height of	1 m above g					
		1	15.000	10.000			150.000	
					То	tal Quantity	150.000 so	ım
				Т	otal Deduct	ed Quantity	0.000 sqm	

					Net To	tal Quantity	150.000 sq	m
			S	ay 150.000	sqm @ Rs	15.43 / sqm	Rs 23	314.50
2	2.8.1 Earth work in excavat trenches or drains (no ramming of bottoms, li excavated soil as directions)	t exceeding	g 1.5 m in w 5 m, includir	ridth or 10 s	sqm on plar ut the exca	ı), including	dressing o	f sides and
	For levelling	1	20.000	15.000	0.500		150.000	
	Foundation	1	30.800	0.800	0.600		14.784	
	for ramp	1	3.000	0.800	0.450		1.081	
	Foundation for column	12	1.500	1.500	1.300		35.100	
			/fat	166	То	tal Quantity	200.965 cı	ım
			C.1		otal Deduct	ed Quantity	0.000 cum	
		1	X 3	K W	Net To	tal Quantity	200.965 cu	m
		( k.	Sa	y 200.965 d	um @ Rs 3	09.95 / cum	Rs 62	289.10
3	2.7.2 Earth work in excavat (exceeding 30 cm in dearth, lead up to 50 m (requiring blasting)	epth, 1.5 m and lift up	in width as to 1.5 m, dis	well as 10 sposed eart	sqm on pla h to be leve	n) including	disposal of	f excavated
3	Earth work in excavat (exceeding 30 cm in de earth, lead up to 50 m	epth, 1.5 m and lift up	in width as to 1.5 m, dis ala Wat	well as 10 sposed eart	sqm on pla th to be leve	n) including	disposal of atly dressed	f excavated
3	Earth work in excavat (exceeding 30 cm in do earth, lead up to 50 m (requiring blasting)	epth, 1.5 m and lift up Ker	in width as to 1.5 m, dis ala Wat	well as 10 sposed eart er Authquiring blass	sqm on pla th to be leve ting 0.200	n) including elled and ne tal Quantity	disposal of atly dressed 5.400 5.400 cum	f excavated
3	Earth work in excavat (exceeding 30 cm in do earth, lead up to 50 m (requiring blasting)	epth, 1.5 m and lift up Ker	in width as to 1.5 m, dis ala Wat	well as 10 sposed eart er Authquiring blass	sqm on pla th to be leve ting 0.200 To otal Deduct	n) including elled and ne tal Quantity	5.400 5.400 cum	f excavated
3	Earth work in excavat (exceeding 30 cm in do earth, lead up to 50 m (requiring blasting)	epth, 1.5 m and lift up Ker	ala Wat	well as 10 sposed eart er Authorizing blass 1.500	sqm on pla th to be leve ting 0.200 To otal Deduct	n) including elled and ne tal Quantity ed Quantity tal Quantity	5.400 cum 5.400 cum 5.400 cum	f excavated
4	Earth work in excavat (exceeding 30 cm in do earth, lead up to 50 m (requiring blasting)	epth, 1.5 m and lift up 12 12 nry with ha	rd stone in rse sand : 12	well as 10 sposed eart er Authoriting blas 1.500  Say 5.400 of foundation 2 graded stores.	sqm on pla th to be level ting 0.200  To total Deduct Net To tum @ Rs 7	n) including elled and ne tal Quantity ed Quantity tal Quantity 49.05 / cum	5.400 5.400 cum 5.400 cum Rs 40	f excavated d. Hard rock
	Earth work in excavate (exceeding 30 cm in decarth, lead up to 50 m (requiring blasting)  foundation of column  7.1.1  Random rubble masor concrete 1:6:12 (1 cem	epth, 1.5 m and lift up 12 12 nry with ha	rd stone in rse sand : 12	well as 10 sposed eart er Authoriting blas 1.500  Say 5.400 of foundation 2 graded stores.	sqm on pla th to be level ting 0.200  To total Deduct Net To tum @ Rs 7	n) including elled and ne tal Quantity ed Quantity tal Quantity 49.05 / cum	5.400 5.400 cum 5.400 cum Rs 40	f excavated d. Hard rock
	Earth work in excavat (exceeding 30 cm in de earth, lead up to 50 m (requiring blasting)  foundation of column  7.1.1 Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort	nry with haent: 6 coal	rd stone in rse sand : 12	well as 10 sposed eart er Authoriting blass 1.500  Say 5.400 of foundation 2 graded stoarse sand)	sqm on pla h to be leve ting  0.200  To  otal Deduct  Net To  cum @ Rs 7  and plinth i	n) including elled and ne tal Quantity ed Quantity tal Quantity 49.05 / cum	5.400 5.400 cum 0.000 cum 8s 40 velling up wominal size)	f excavated. Hard rock
	Earth work in excavat (exceeding 30 cm in de earth, lead up to 50 m (requiring blasting)  foundation of column  7.1.1 Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort Foundation	nry with haent: 6 coal	rd stone in rse sand : 12 ment : 6 coa 30.800	well as 10 sposed eart er Authoriting blass 1.500  Say 5.400 of foundation 2 graded stoarse sand)  0.600	sqm on pla h to be leve ting  0.200  To  otal Deduct  Net To  cum @ Rs 7  and plinth ine aggregations  0.600	n) including elled and ne tal Quantity ed Quantity tal Quantity 49.05 / cum	5.400 5.400 cum 0.000 cum 5.400 cum velling up wominal size)	f excavated. Hard roc
	Earth work in excavat (exceeding 30 cm in de earth, lead up to 50 m (requiring blasting)  foundation of column  7.1.1 Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort Foundation Basement	nry with haent: 6 coalar 1:6 (1 ce	rd stone in se sand : 12 ment : 6 coa 30.800	well as 10 sposed eart er Authoriting blass 1.500  Say 5.400 of foundation 2 graded stoarse sand)  0.600  0.450	sqm on pla h to be leve ting  0.200  To  Total Deduct  Net To  cum @ Rs 7  and plinth ine aggregat  0.600  0.450  0.450	n) including elled and ne tal Quantity ed Quantity tal Quantity 49.05 / cum	5.400 5.400 cum 0.000 cum 5.400 cum Velling up wominal size) 11.088 6.238 1.081	944.87  with cemer up to plint
	Earth work in excavat (exceeding 30 cm in de earth, lead up to 50 m (requiring blasting)  foundation of column  7.1.1 Random rubble masor concrete 1:6:12 (1 cem level with:Cement mort Foundation Basement	nry with haent: 6 coalar 1:6 (1 ce	rd stone in se sand : 12 ment : 6 coa 30.800	well as 10 sposed eart er Authoriting blass 1.500  Say 5.400 of foundation 2 graded stoarse sand)  0.600  0.450  0.800	sqm on pla h to be leve ting  0.200  To  Total Deduct  Net To  cum @ Rs 7  and plinth ine aggregat  0.600  0.450  0.450	tal Quantity tal Quantity tal Quantity 49.05 / cum ncluding levelse 20 mm no	5.400 5.400 cum 0.000 cum 5.400 cum Fragation of the second of the secon	944.87  with cemen up to plint

			Sa	y 18.407 cu	ım @ Rs 752	20.41 / cum	Rs 1384	28.19
5	4.1.5 Providing and laying in shuttering - All work up to nominal size)			-	•	•		•
	For column foundation bottom	12	1.500	1.500	0.100		2.700	
	for wall foundation bottom	1	30.800	1.700	0.100		5.237	
	DPC	1	30.800	0.450	0.100		1.387	
	Flooring	1	9.000	6.000	0.100		5.400	
	Total Quanti						14.724 cum	
				W 6.7-1	Total Deduct	ed Quantity	0.000 cum	
	Net Total Quantit					tal Quantity	14.724 cum	
		(1)	Sa	y 14.724 cu	ım @ Rs 769	90.32 / cum	Rs 1132	32.27
	thickness 20cm and ab	Ker	30.800	0.200 th	4.500-0.3	etc complet	25.873	
	parapet	Ker 1	33.200	er Autr - 0.100	0.600	_	1.992	
	For rolling shutter	1	3.000	0.200	3.000	1	-1.800	
	windows	5	1.100	0.200	1.500		-1.650	
	column	10	0.000	0.000	4.500			
			0.200	0.200	4.500		-1.800	
	intel	1	30.800	0.200	0.200		-1.800 -1.232	
	intel	1			0.200	tal Quantity	-1.232	
	intel	1		0.200	0.200		-1.232 27.865 cum	
	intel	1		0.200	0.200 To	ed Quantity	-1.232 27.865 cum	
	intel	1	30.800	0.200	0.200 To	ed Quantity tal Quantity	-1.232 27.865 cum -6.482 cum 21.383 cum	60.88

		1	3.000	3.000	1.000		9.000			
					То	tal Quantity	9.000 sqm			
				Т	otal Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	9.000 sqm			
			S	Say 9.000 sq	m @ Rs 36	17.29 / sqm	Rs 32	555.61		
8	21.1.1.1 Providing and fixing alustandard tubular section 733 and IS: 1285, fixing gaps at junctions, i.e. Aluminium sections shrequired including cleat screws, all complete a paneling and dash fast transparent or dyed to	ns/ appropring with dash at top, both all be small angle, Aluis per architeners to be	iate Z section fasteners of the and sooth, rust from the minnium snatectural drage paid for section.	ons and other of required of ides with refee, straight up beading for wings and teparately):For	r sections or sections or size equired EPI at, mitred ar or glazing /phe direction or fixed portion	f approved of appr	make confornecessary finecessary finecessary finechanically P. brass/ stateer-in-charged aluminium	ming to Illing up gasket o y where inless st je.(Glazi		
	windows-horizontal member	2	1.350	DA	4	1.75	4.726	icludin wastag		
	vertical member	3	1.650			1.75	8.663			
		TO THE			То	tal Quantity	13.389 kg			
			No.			ed Quantity				
		Ker	ala Wat	er Auth	Ori Net To	tal Quantity	13.389 kg			
				Say 13.38	39 kg @ Rs	520.90 / kg	Rs 69	74.33		
9	21.3.1 Providing and fixing gla rubber / neoprene gask in -Charge. ( Cost of al mm thickness	et etc. com	plete as per	the archited	tural drawir	ngs and the	directions of	f Engine		
		5	1.000	1.500			7.500			
	Total Quantity 7.500 sqm									
					То	tal Quantity				
				Т		tal Quantity ed Quantity	7.500 sqm			
				Т	otal Deduct		7.500 sqm 0.000 sqm			
			S	T Say 7.500 sq	otal Deduct	ed Quantity tal Quantity	7.500 sqm 0.000 sqm 7.500 sqm	11.50		
10	5.1.2 Providing and laying ir centering, shuttering, fir sand :3 graded stone ag	nishing and	specified gra	Say 7.500 sq ade of reinfo ent - All work	otal Deduct Net To m @ Rs 12	ed Quantity tal Quantity 28.20 / sqm nt concrete	7.500 sqm 0.000 sqm 7.500 sqm Rs 92	11.50		

	column footing IInd	12	1.200	1.200	0.200		3.456	
	columnn portion for below ground level	12	0.300	0.300	0.300		0.324	
					To	tal Quantity	10.836 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	10.836 cum	1
			Sa	ıy 10.836 cu	ım @ Rs 94	83.15 / cum	Rs 102	759.41
11	5.2.2 Reinforced cement con and string courses, fille excluding cost of center 3 graded stone aggregations.	ets, column ring, shutte	ıs, pillars, pie ering, finishin	ers, abutme g and reinfo	nts, posts a	ınd struts et	c. up tot flo	or five lev
	Lintel	1	30.800	0.200	0.200		1.233	
	slab	1	9.600	6.600	0.150		9.504	
	sunshade	1	34.400	0.700	0.100		2.408	
	beams	3	9.400	0.300	0.400	2	3.384	
		8	2.750	0.300	0.400		2.640	
	beams over shutter	1	3.200	0.300	0.250		0.240	
	For ramp	Ker	ala <sub>5.000</sub> at	er <sub>3.000</sub> th	0.150		2.250	
	For column	12	0.300	0.300	4.100		4.428	
					To	tal Quantity	26.087 cur	n
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	26.087 cum	1
			Say	26.087 cun	n @ Rs 114	33.93 / cum	Rs 298	276.93
12	5.22A.6 Steel reinforcement fo binding all complete about		-		-			
	qty item code 5.1.2	1	10.836			110.0	1191.960	
	qty item code 5.2.2	1	26.087			110.0	2869.570	excluding ramp
					To	tal Quantity	4061.530 H	кg
				Т	otal Deduct	ed Quantity	0.000 kg	
					Net To	tal Quantity	4061.530 k	g
				Say 4061.5	30 kg @ Rs	102.61 / kg	Rs 416	753.59
13	5.9.1							

	Centering and shuttering columns, etc for mass	•	g strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	gs, bases		
	column footing	12	1.4*4	0.300			20.160	additional 10% fo		
		12	1.2*4	0.200			11.520			
		12	.3*4	0.300			4.320			
					To	tal Quantity	36.000 sq	m		
				7	Total Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	36.000 sqr	n		
			S	ay 36.000 s	sqm @ Rs 3	50.00 / sqm	Rs 12	600.00		
14	5.9.3 Centering and shutter landings, balconies at			, etc. and ı	removal of	form for:Su	spended fl	oors, roc		
	sunshade	1	33.200	0.700	1		23.241			
	side		33.600		0.100	Ŀ	3.361	10% ext form wo for vertice side		
	roof slab	Ker	9.700	6.700	ority		64.990			
	side	1	32.800		0.150		4.920			
	ramp bottom	1	5.000	3.000	0.150	1	2.250			
	ramp side	2	5.000	0.150	0.150		0.225			
	Total Quantity 98.987 sqm									
				7	Total Deduct	ed Quantity	0.000 sqm			
					Net To	tal Quantity	98.987 sqr	n		
			S	ay 98.987 s	sqm @ Rs 8	51.52 / sqm	Rs 84	289.41		
15	5.9.5 Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth bear girders bressumers and cantilevers									
	Lintel	1	30.800	0.500			15.400			
	bottom of long beams	3	9.400	0.300			8.460			
	sides of long beams	3	9.400		0.40*2		22.561			
	bottom of short beam	8	2.750	0.300			6.600			
	sides of short beam	8	2.750		0.40*2		17.600			

					To	tal Quantity	73.182 sqr	n
				Т	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	73.182 sqn	1
			S	ay 73.182 s	sqm @ Rs 6	78.28 / sqm	Rs 49	637.89
16	5.9.6 Centering and shutter Abutments, Posts and	•	ng strutting	ı, etc. and	removal of	form for:C	olumns, Pil	lars, Piers,
	column	12	1.200	(4.5-0.4)			59.040	
					То	tal Quantity	59.040 sqr	n
		ed Quantity	0.000 sqm					
			Car	R.	Net To	tal Quantity	59.040 sqn	า
			S	ay 59.040 s	sqm @ Rs 9	01.48 / sqm	Rs 53	223.38
17	13.7.1 12 mm cement plaster f	inished with	n a floating o	oat of neat	cement of m	nix:1:3 ( 1 ce	ement : 3 find	e sand)
	ceiling	1	9.000	6.000	1-A		54.000	
	roof top (inside parapet)	1	9.200	6.200		5	57.040	
	roof side	1	32.800	in at 122	0.150		4.920	
	roof projection (top and bottom)	Kera	11 <sub>32.200</sub> at	er <sub>0.150</sub> th	ority		9.660	
	sun shade (top and bottom)	2	34.400	0.700	上		48.160	
	sun shade side	1	37.200		0.100		3.721	
	column	2	1.200		4.100		9.840	
	column projection (6 columns have projection)	6*2	0.100		4.100		4.920	
	vertical side of inside beam (long beam 3 portion)	3	2.750		0.40*2		6.601	
	vertical side of inside beam (cross beam)	4	2.750		0.40*2		8.800	
					То	tal Quantity	207.662 sc	mp
				T	Total Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	207.662 sq	m
			Sa	y 207.662 s	sqm @ Rs 4	18.79 / sqm	Rs 86	966.77

13.8.2	on rough	a side of sing	lo or bolf b	riok wall fir	siahad with	a floating a	oot of r	
· ·	_	_		orick wall lir	nisnea with	a noating c	oat of r	
wall inside	1	30.000	4.500			135.000		
wall outside	1	31.600	4.500			142.201		
ramp top	1	5.000	3.000			15.000		
ramp side	2	5.000		0.150		1.500		
parapet 2 sides and top	1	32.400		1.300		42.120		
for windows	5	1.000	1.500			-7.500		
for shutter	1	3.000	3.000			-9.000		
		1903	1991	To	otal Quantity	335.821 sc	ηm	
	-	£ 2 1	H Ei	Total Deduct	ted Quantity	-16.500 sqr	n	
	6	W. B	5. X	Net To	otal Quantity	319.321 sq	m	
	B	Sa	y 319.321 s	sqm @ Rs 4	53.75 / sqm	Rs 144	891.90	
13.37.1 White washing with lime	to give a	n even shade	:New work (	(three or mo	ore coats)			
roof top(inside of parapet)	1 V 22	9.200	6.200	01141		57.040		
sunshade top	1 .	34.400	0.700	loffity		24.080		
		R		To	otal Quantity	81.120 sqr	n	
Total Deducted Quantity 0.000 sqm								
				Net To	otal Quantity	81.120 sqm	1	
			Say 81.120	sqm @ Rs	35.10 / sqm	Rs 28	47.31	
13.44.1 Finishing walls with wate @ 3.84 kg/10 sqm)	er proofin	g cement pair	nt of require	ed shade:Ne	w work (Two	o or more co	oats app	
Quantity same as item code 13.7.1	1	207.662				207.662		
Quantity same as item code 13.8.2	1	319.321				319.321		
roof top	1	9.200	6.200			-57.040		
	4	34.400	0.700			-24.080		
sunshade top	1	34.400	0.700			21.000		
	15 mm cement plaster cement of mix:1: 4 ( 1 wall inside wall outside ramp top ramp side parapet 2 sides and top for windows for shutter  13.37.1 White washing with lime roof top(inside of parapet) sunshade top  13.44.1 Finishing walls with wate @ 3.84 kg/10 sqm)  Quantity same as item code 13.7.1  Quantity same as item code 13.8.2	15 mm cement plaster on rough cement of mix:1: 4 (1 cement: wall inside	15 mm cement plaster on rough side of sing cement of mix:1: 4 ( 1 cement : 4 fine sand)  wall inside	15 mm cement plaster on rough side of single or half becement of mix:1: 4 (1 cement : 4 fine sand)  wall inside	15 mm cement plaster on rough side of single or half brick wall fire cement of mix:1: 4 ( 1 cement : 4 fine sand)  wall inside	15 mm cement plaster on rough side of single or half brick wall finished with cement of mix:1: 4 (1 cement : 4 fine sand)  wall inside	15 mm cement plaster on rough side of single or half brick wall finished with a floating of cement of mix:1: 4 (1 cement: 4 fine sand)  wall inside	

				Т	otal Deduct	ed Quantity	-96.120 sqr	n
					Net To	tal Quantity	430.863 sq	m
			Sa	ay 430.863 s	qm @ Rs 1	12.09 / sqm	Rs 48	295.43
21	13.50.3 Applying priming coat manufacture on steel		-		nc chromat	e primer of	approved	brand and
	two sides of rolling shutter	2	3.000	3.000			18.000	
					То	tal Quantity	18.000 sqr	n
	Total Deducted Quantity 0.000 sqm							
					Net To	tal Quantity	18.000 sqm	1
			JAM	Say 18.000	sqm @ Rs	62.27 / sqm	Rs 11	20.86
	manufacturers specification Two or more coat application approved brand and manufacturers	ed @ 0.90	9 9 9 9 9 9 9				J	
	rolling shutter two	2	3.000	3.000	Service of the servic		18.000	
		Kera	ala Wat	er Auth	ority To	tal Quantity	18.000 sqr	n
				T	otal Deduct	ed Quantity	0.000 sqm	
			R .		Net To	tal Quantity	18.000 sqm	ı
			5	Say 18.000 s	qm @ Rs 1	54.62 / sqm	Rs 27	83.16
23	13.71 Lettering with black Jap	an pint of a	pproved bra	and and mar	nufacture			
		100				15.0	1500.000	
					То	tal Quantity	1500.000 l ht	_etterxcm
				Т	otal Deduct	ed Quantity	0.000 Lette	rxcm ht
					Net To	tal Quantity	1500.000 L	etterxcm ht
		Say 1	500.000 Le	tterxcm ht @	Rs 5.80 / L	etterxcm ht	Rs 87	00.00
24	11.21.1.1 Providing and fixing 10 and / or alkali resisting r 4457, complete as per t (1 acid proof cement : 4	mortar bedo	ding, and joi n of Engine	nts filled witl er-in-Charge	h acid and /o e.In flooring	or alkali resi	sting cemen	t as per IS
	( and proof come.	1	9.000	6.000			54.000	
				•	•	•		•

					То	tal Quantity	54.000 sqr	n
				Т	otal Deduct	ed Quantity	0.000 sqm	
					Net To	tal Quantity	54.000 sqm	า
			Sa	ay 54.000 sq	m @ Rs 18	36.85 / sqm	Rs 99	189.90
25	11.22.1.1 Tile work in skirting, rise (1 cement : 3 coarse sa	and) and joi	nted with gr	ey cement s	slurry @ 3.3	kg/sqm, inc	luding point	ing in whit
		1	27.400	0.200			5.480	
					То	tal Quantity	5.480 sqm	
			60	G T	otal Deduct	ed Quantity	0.000 sqm	
			190		Net To	tal Quantity	5.480 sqm	
			S	Say 5.480 sq	m @ Rs 152	23.00 / sqm	Rs 83	46.04
26	od173455/2020_2021 Providing and fixing MS as per standards includ			#1.20FL T 1	in RCC sla	b (ceiling of	f control roo	m) or bear
	MS hook	12		チャンシ			12.000	
			MOST	IN DEPT	То	tal Quantity	12.000 No	
		Vor	ala Wat	Tor Auth	To otal Deduct			
		Kera	ala Wat	er Auth	otal Deduct		0.000 No	
		Kera	ala Wat	er Auth	otal Deduct	ed Quantity	0.000 No 12.000 No	319.32
27	10.16.2 Steel work in built up to cutting, hoisting, fixing and bolted with special	position an	d applying	Say 12.00 or rectangle priming co	Net To  O No @ Rs  ular hollow oat of approv	ed Quantity tal Quantity 301.61 / No tubes etc.)	0.000 No 12.000 No Rs 36 trusses etcimer, includ	., includin
27	Steel work in built up to cutting, hoisting, fixing	position an	d applying a	Say 12.00 or rectangle priming co	Net To  O No @ Rs  ular hollow out finished s	ed Quantity tal Quantity 301.61 / No tubes etc.)	0.000 No 12.000 No Rs 36 trusses etcimer, includ	., includin
27	Steel work in built up to cutting, hoisting, fixing	position an	d applying a	Say 12.00 or rectangle priming cocomplete.Ho	Net To  O No @ Rs  ular hollow out finished s	ed Quantity tal Quantity 301.61 / No tubes etc.)	0.000 No 12.000 No Rs 36 trusses etcimer, includ	., includin
27	Steel work in built up to cutting, hoisting, fixing and bolted with special longitudinal 3 layer	position an shaped wa	d applying ashers etc. Han	Say 12.00 or rectangle priming cocomplete.Ho	Net To  O No @ Rs  ular hollow out finished s	ed Quantity tal Quantity 301.61 / No tubes etc.) ved steel preamless typ	0.000 No 12.000 No Rs 36 trusses etcimer, includoe tubes	., includin
27	Steel work in built up to cutting, hoisting, fixing and bolted with special longitudinal 3 layer both sides vertical - 1m spacing	position an shaped was 2*3	d applying a ashers etc. Han 5.000	Say 12.00 or rectangle priming cocomplete.Ho	Net To Net To Net To No @ Rs:  Ular hollow Net of approve Of finished some	ed Quantity tal Quantity 301.61 / No tubes etc.) ved steel preamless typ 3.16	0.000 No 12.000 No Rs 36 trusses etcimer, includoe tubes 94.801 28.440	., includin
27	Steel work in built up to cutting, hoisting, fixing and bolted with special longitudinal 3 layer both sides vertical - 1m spacing	position an shaped was 2*3	d applying a ashers etc. Han 5.000	Say 12.00  or rectange a priming complete. Ho	Net To Net To Net To No @ Rs:  Ular hollow Net of approve Of finished some	ed Quantity tal Quantity 301.61 / No tubes etc.) ved steel preamless typ 3.16 3.16 tal Quantity	0.000 No 12.000 No Rs 36 trusses etcimer, includoe tubes 94.801 28.440 123.241 kg	., includin
27	Steel work in built up to cutting, hoisting, fixing and bolted with special longitudinal 3 layer both sides vertical - 1m spacing	position an shaped was 2*3	d applying a ashers etc. Han 5.000	Say 12.00  or rectange a priming complete. Ho	Net To Net To Net To No @ Rs:  Ular hollow Pot finished s  Imps  To  Total Deduct	ed Quantity tal Quantity 301.61 / No tubes etc.) ved steel preamless typ 3.16 3.16 tal Quantity ed Quantity	0.000 No 12.000 No Rs 36 trusses etcimer, includoe tubes 94.801 28.440 123.241 kg	a19.32 ., includining weldin
27	Steel work in built up to cutting, hoisting, fixing and bolted with special longitudinal 3 layer both sides vertical - 1m spacing	position an shaped was 2*3	d applying a ashers etc. Han 5.000	Say 12.00  For rectange a priming complete. Hold rails for ra	Net To Net To Net To No @ Rs:  Ular hollow Pot finished s  Imps  To  Total Deduct	ed Quantity tal Quantity 301.61 / No tubes etc.) ved steel preamless typ 3.16 3.16 tal Quantity ed Quantity tal Quantity	0.000 No 12.000 No Rs 36 trusses etcimer, includoe tubes  94.801 28.440 123.241 kg 0.000 kg 123.241 kg	ing welding

1	2.31										
•	Clearing jungle including	ng uprooting	g of rank veg	getation, gra	ass, brush v	vood, trees a	and saplings	s of girth			
	to 30 cm measured at	• .	•	-				•			
	m outside the peripher	y of the are	a cleared								
	For retaining wall	1	20.000	1.500			30.000				
	9		1		To	otal Quantity	30.000 sqr	m			
						ted Quantity					
						otal Quantity		n			
			1.2	Say 30.000	sqm @ Rs	15.43 / sqm	Rs 4	62.90			
2	2.8.1		166	//65							
	trenches or drains (no ramming of bottoms, I excavated soil as dire	ift up to 1.5	m, includir	ng getting o	ut the exca	,	•				
	For retaining wall	1	20.000	1.200	1.500	8	36.000				
	1	Total Quantity 36.000 cum									
				10 DL 2	Total Deduc	ed Quantity	0.000 cum				
		Ker	ala Wat	er Auth	Net To	tal Quantity	36.000 cun	n			
						09.95 / cum		158.20			
3	4.1.5	$P \mid$	R I	(	` ⊩	4					
	Providing and laying in shuttering - All work up nominal size)	•		-	•	_		_			
	Horrilla Size)										
	For retaining wall	1	20.000	1.200	0.200		4.801				
	,	1	20.000	1.200		otal Quantity					
	,	1	20.000		To	etal Quantity	4.801 cum				
	,	1	20.000		Total Deduc		4.801 cum 0.000 cum				
	,	1		7	Total Deduction	ed Quantity	4.801 cum 0.000 cum 4.801 cum	921.23			
4	,	1		7	Total Deduction	ted Quantity	4.801 cum 0.000 cum 4.801 cum				
4	7.1.1 Random rubble maso concrete 1:6:12 (1 cem	nry with ha	rd stone in	ay 4.801 cufoundation graded sto	Total Deduction  Net Total  Met Total	ted Quantity otal Quantity 90.32 / cum	4.801 cum 0.000 cum 4.801 cum Rs 36	<b>921.23</b> vith cem			
4	For retaining wall  7.1.1  Random rubble maso	nry with ha	rd stone in	ay 4.801 cufoundation graded sto	Total Deduction  Net Total  Met Total	ted Quantity otal Quantity 90.32 / cum	4.801 cum 0.000 cum 4.801 cum Rs 36	<b>921.23</b>			

					Total Deduct	ed Quantity	0.000 cum		
						tal Quantity		า	
			Sa	y 36.800 cı	ım @ Rs 75	20.41 / cum	Rs 276	6751.09	
5	5.2.2 Reinforced cement con- and string courses, fille excluding cost of center 3 graded stone aggregations	ets, column ring, shutte	s, pillars, pie	ers, abutme g and reinfo	ents, posts a	nd struts et	c. up tot flo	or five leve	
	For retaining wall 1st belt	1	20.000	1.000	0.150		3.000		
	For retaining wall 2nd belt	1	20.000	0.600	0.100		1.201		
			190		To	tal Quantity	4.201 cum	l	
			E. S. B.	B 75.	Total Deduct	ed Quantity	0.000 cum		
		610	N AZ	51/1	Net To	tal Quantity	4.201 cum		
			Net Total Quantity 4.2						
6	2.2.1 Earth work in rough e breaking clods, waterin every 3rd and top-most	g, rolling ea	banking ex ach layer wit power roller	h 1/2 tonne of minimum	arth in laye roller or wo	rs not exce oden or ste nd dressing	eding 20 c el rammers up in emba	, and rolling nkments for	
6	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank	banking ex ach layer wit power roller ks and guide	cavated ea h 1/2 tonne of minimum	arth in laye roller or wo	rs not exce oden or ste nd dressing	eding 20 c el rammers up in emba	m in depth, , and rolling nkments for	
6	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank	banking ex ach layer wit power roller ks and guide bil	cavated eath 1/2 tonner of minimum	arth in laye roller or wo a 8 tonnes a illing up gro 0.200	rs not exce noden or ste and dressing bund depres	eding 20 c el rammers up in emba ssions, lead	m in depth, , and rolling nkments for up to 50 m	
6	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank	banking ex ach layer wit power roller ks and guide bil	cavated ea h 1/2 tonne of minimum banks or t 2.500	arth in laye roller or wo 8 tonnes a filling up gro 0.200	rs not exce noden or ste nd dressing bund depres tal Quantity	eding 20 c el rammers up in emba ssions, lead 500.000	m in depth, , and rolling nkments for up to 50 m	
6	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank	banking ex ach layer wit power roller ks and guide bil	cavated ea h 1/2 tonne of minimum banks or t 2.500	arth in laye roller or wo 8 tonnes a filling up gro 0.200	rs not exce noden or ste nd dressing bund depres tal Quantity	eding 20 c el rammers up in emba sions, lead 500.000 c 0.000 cum	m in depth, , and rolling nkments for up to 50 m	
6	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank	banking ex ach layer wit power roller ks and guide oil 1000.000	cavated ea h 1/2 tonne of minimum banks or 1 2.500	arth in laye roller or wo 8 tonnes a filling up gro 0.200	rs not exce noden or ste nod dressing bund depres tal Quantity ed Quantity	eding 20 c el rammers up in emba ssions, lead 500.000 c 0.000 cum	m in depth, , and rolling nkments for up to 50 m	
7	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All	g, rolling ea layer with orginal bank kinds of so 1	banking ex ach layer wit power roller ks and guide bil 1000.000	cavated each 1/2 tonner of minimum banks or 1 2.500	arth in layer roller or wo 8 tonnes arthling up group on 200  Total Deduct Net To cum @ Rs 9	rs not excepted and dressing bund depressing bund depressing bund depressing tal Quantity and Quantity tal Qu	eding 20 c el rammers up in emba sions, lead 500.000 c 0.000 c um 500.000 c c Rs 458	m in depth, , and rolling nkments for up to 50 m  um  8770.00	
	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All Excavation for concrete road od165801/2020_2021 Dry rubble masonry wit 1:6:12 (1 cement: 6 c	g, rolling ea layer with orginal bank kinds of so 1	banking ex ach layer wit power roller ks and guide bil 1000.000	cavated each 1/2 tonner of minimum banks or 1 2.500	arth in layer roller or wo 8 tonnes arthling up group on 200  Total Deduct Net To cum @ Rs 9	rs not excepted and dressing bund depressing bund depressing bund depressing tal Quantity and Quantity tal Qu	eding 20 c el rammers up in emba sions, lead 500.000 c 0.000 c um 500.000 c c Rs 458	m in depth, , and rolling nkments for up to 50 m  um  m  3770.00	
	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All Excavation for concrete road od165801/2020_2021 Dry rubble masonry wit 1:6:12 (1 cement: 6 c with:	g, rolling ea layer with orginal bank kinds of so 1	banking ex ach layer wit power roller ks and guide oil 1000.000 Sa ne in founda d : 12 graded	cavated each 1/2 tonner of minimum banks or 1 2.500	orth in layer roller or wo a 8 tonnes at illing up group of the roller or wo a 8 tonnes at illing up group of the roller of the	rs not excepted and dressing bund depressing bund depressing bund depressing tal Quantity and Quantity tal Qu	eding 20 c el rammers up in emba sions, lead 500.000 cum 500.000 cum 500.000 cum Rs 458 c with ceme size) up to 500.000	m in depth, , and rolling nkments for up to 50 m  um  m  a770.00  ent concrete plinth level	
	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All Excavation for concrete road od165801/2020_2021 Dry rubble masonry wit 1:6:12 (1 cement: 6 c with:	g, rolling ea layer with orginal bank kinds of so 1	banking ex ach layer wit power roller ks and guide oil 1000.000 Sa ne in founda d : 12 graded	cavated each 1/2 tonner of minimum banks or 1 2.500	orth in layer roller or wo a 8 tonnes at illing up group of the roller or wo a 8 tonnes at illing up group of the roller of the	rs not excepted or steemed dressing bund depressing bund depressing bund depressing tal Quantity and Quantity tal Quantity tal Quantity gleveling upon nominal tal Quantity	eding 20 c el rammers up in emba sions, lead 500.000 cum 500.000 cum 500.000 cum size) up to 500.000 cum 500.000 cum size) up to 500.000 cum	m in depth, , and rolling nkments for up to 50 m  um  m  a770.00  ent concrete plinth level	
	Earth work in rough e breaking clods, waterin every 3rd and top-most roads, flood banks, ma and lift up to 1.5 m:All Excavation for concrete road od165801/2020_2021 Dry rubble masonry wit 1:6:12 (1 cement: 6 c with:	g, rolling ea layer with orginal bank kinds of so 1	banking ex ach layer wit power roller ks and guide oil 1000.000 Sa ne in founda d : 12 graded	cavated each 1/2 tonner of minimum banks or 1 2.500	orth in layer roller or wo a 8 tonnes at filling up grown on 200  Total Deduct Net Total Deduct or on the including gregate 20 roller of the company of the	rs not excepted or steemed dressing bund depressing bund depressing bund depressing tal Quantity and Quantity tal Quantity tal Quantity gleveling upon nominal tal Quantity	eding 20 c el rammers up in emba sions, lead 500.000 cum 500.000 cum 500.000 cum size) up to 500.000 cum 500.000 cum 500.000 cum 500.000 cum	m in depth, , and rolling nkments for up to 50 m  m  arro.00  ent concrete plinth level	

8	5.1.3 Providing and laying in centering, shuttering, fi sand: 4 graded stone	nishing and	reinforcem	ent - All woi			_	
	For concreting road to Plant	1	1000.000	2.500	0.100		250.000	
					То	tal Quantity	250.000 cu	ım
	Total Deducted Quantity 0.000 cum							
	Net Total Quantity 250.000 cum  Say 250.000 cum @ Rs 8964.72 / cum							
9	5.9.1 Centering and shuttering columns, etc for mass		strutting, et	c. and remo	oval of form	for:Foundat	ions, footing	ıs, bases of
	two sides of road	2	1000.000	0.100		1.1	220.001	
		( L "	Y A	51/1	То	tal Quantity	220.001 sc	m
		14	IDN	T	Total Deduct	ed Quantity	0.000 sqm	
		104			Net To	tal Quantity	220.001 sq	m
			Sa	y 220.001 s	sqm @ Rs 3	50.00 / sqm	Rs 77	000.35
10	5.22.6 Steel reinforcement fo binding all complete u		_	_				
	For concrete road	1	1000.000	2.500	0.100	60.0	15000.000	Reinforce ment @ 60Kg/m3 of concrete considere d
	For retaining wall	1	20.000	1.000	0.150	100.0	300.000	Reinforce ment @ 100Kg/m3 of concrete considere d

	For retaining wall	1	20.000	0.600	0.100	100.0	120.001	Reinforce ment @ 100Kg/m3 of concrete considere d
					То	tal Quantity	15420.001	kilogram
				Т	otal Deduct	ed Quantity	0.000 kilog	ram
					Net To	tal Quantity	15420.001	kilogram
		S	ay 15420.00	01 kilogram	@ Rs 102.6	1 / kilogram	Rs 158	2246.30
SI No	Description	No	L	В	D	CF	Quantity	Remark
	52-	Electromecl	nanical wor	ks (Cos	t Index:41.5	53 %)		
		No Specifi	ications add	ed under thi	s Estimate			
SI No	Description	No	JYL 3	В	D	CF	Quantity	Remark
62(a)- S	upply, erection, testing compound- (1)-		The second second			and allied st Index:41		lady plant
1	od194695/2018_2019 Erection of RCC/ PCC 150 mm thick cement	pole of follo			cluding exca	_	efilling etc.	as required.
		PJ	R	Ţ	otal Deduct	-		
					Net To	tal Quantity	2.000 Nos	
			;	Say 2.000 N	os @ Rs 49	57.00 / Nos	Rs 99	14.00
2	od194696/2018_2019 Supplying and erecti structure having four of minimum size 1400 bolts and nuts includir with primer and finish	on of a set members fab mm width X ng drilling ho	oricated out ( 2500 mm l les for insul	of 50 mm X height, com	50 mm X 6 plete with 50	mm angle i ) mm X 6mr	ron to form n M.S. flat i	a rectangle
		1					1.000	
					То	tal Quantity	1.000 set	
				Т	otal Deduct			
						tal Quantity		
				Say 1.000	set @ Rs 6			552.00
3	od194697/2018_2019 Erection of double pol		s arm for 11	•				

Total Deducted Quantity 0.000 Nos    Net Total Quantity 3.000 Nos			3					3.000	
Net Total Quantity 3,000 Nos Rs 2901.00  4 od194698/2018_2019 Supplying and erection of 11 kV pin insulator complete with large steel head G.I. pin, nuts, washers as required.  1 1.000  Total Quantity 1.000 set  Total Deducted Quantity 0.000 set  Net Total Quantity 1.000 set  Say 1.000 set @ Rs 349.00 / set  Rs 349.00 / set  Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comp with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1 1.000  Total Quantity 1.000 set  Rs 349.00  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Total Deducted Quantity 1.000 set  Rs 3601.00  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Net Total Quantity 1.000 set  Rs 3601.00  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Total Deducted Quantity 1.000 set  Say 1.000 set @ Rs 3601.00 / set						То	tal Quantity	3.000 Nos	
Say 3.000 Nos @ Rs 967.00 / Nos Rs 2901.00  dod194698/2018_2019 Supplying and erection of 11 kV pin insulator complete with large steel head G.I. pin, nuts, washers as required.  1 1.000  Total Quantity 1.000 set  Total Deducted Quantity 1.000 set  Net Total Quantity 1.000 set  Say 1.000 set @ Rs 349.00 / set Rs 349.00 / set Rs 349.00 / set Rs 349.00  5 od194699/2018_2019 Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comparity galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1 1.000  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Net Total Quantity 1.000 set  Rs 3601.00 / set  Rs 3601.00 / set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00 / set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00 / set  Say 1.000 set @ Rs 3601.00 / set  Net Total Quantity 1.000 set  Total Quantity 1.000 set  Say 1.000 set @ Rs 3601.00 / set  Net Total Quantity 1.000 set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00 / set  Rs 3601.00 / set  Net Total Quantity 1.000 set  Net Total Quantity 1.000 set  Total Quantity 1.000 set  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Rs 3601.00 / set Rs 3601.00 / set  Rs 3601.00 / set					T	Total Deduct	ed Quantity	0.000 Nos	
Supplying and erection of 11 kV pin insulator complete with large steel head G.I. pin, nuts, washers as required.  1						Net To	tal Quantity	3.000 Nos	
Supplying and erection of 11 kV pin insulator complete with large steel head G.I. pin, nuts, washers as required.  1 1.000  Total Quantity 1.000 set  Total Deducted Quantity 1.000 set  Net Total Quantity 1.000 set  Rs 349.00 / set  Say 1.000 set @ Rs 349.00 / set  Rs 349.00 / set  Say 1.000 set @ Rs 349.00 / set  Say 1.000 set @ Rs 349.00 / set  Total Quantity 1.000 set  Say 1.000 set @ Rs 349.00 / set  Rs 349.00 / set @ Rs 349.00 / set  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Net Total Quantity 1.000 set  Rs 3601.00 / set @ Rs 3601.00 / set  Rs 3601.00 / set @ Rs 3601.00 / set  Say 1.000 set @ Rs 3601.00 / set  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Say 1.000 set @ Rs 3601.00 / set					Say 3.000	Nos @ Rs 9	67.00 / Nos	Rs 29	901.00
Total Deducted Quantity  Total Deducted Quantity  Net Total Quantity  Net Total Quantity  Net Total Quantity  Say 1.000 set @ Rs 349.00 / set Rs 349.00 / set Rs 349.00  Total Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comp with galvanised clamping arrangement, G.l. bolts, nuts, washers etc. as required.  1.000  Total Quantity  1.000 set  Total Quantity  1.000 set  Net Total Quantity  1.000 set  Net Total Quantity  1.000 set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00  6 od194700/2018_2019  OUTDOOR HT BREAKER PANEL (LBS) Supply, Installation, Testing & Commissioning of 11kV Outh HT Breaker Panel with the following components. 11kV Load Break Swich 11kV, 350 MVA, 630A, unit - 1 set Voltmeter (0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push button 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set See Bushings - 3 Nos Space Heater Element with Thermostat & wiring - 1 Nos Inspection Lamp LED switch & wiring - 1 set Metering Chamber PT - 100 VA, 11kV/110V, CL 0.2S - 1 No CT - ½5A, 15VA 0.2S - 3 Nos Provisions for mounting 3 phase, 4wire, HT CT/PT operated, bi- directional TOD meter accuracy class 0.2S including wiring and test terminal block, site glass etc 1 set Voltage Circuit: active & apparent power consumption of voltage circuit including power supply of meter at refere voltage, reference temperature & frequency shall not exceed 1.0 Watt & 4.0 VA per phase Cur Circuit: The apparent power taken by current circuit at basic current, reference frequency & refere temperature shall not exceed 1.0 VA/phase.(The Quoted rate shall be inclusive of necessary control wiring, components working on LT supply should be prewired completely with necessary control	4	Supplying and erec		pin insulator	complete wi	ith large ste	el head G.I.	pin, nuts, v	vashers
Total Deducted Quantity  Net Total Quantity  1.000 set  Say 1.000 set @ Rs 349.00 / set  Rs 349.00  5 od194699/2018_2019  Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comp with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1 1.000  Total Quantity 1.000 set  Net Total Quantity 1.000 set  Net Total Quantity 1.000 set  Say 1.000 set @ Rs 3601.00 / set Rs 3601.00 / set  Rs 3601.00  6 od194700/2018_2019  OUTDOOR HT BREAKER PANEL (LBS) Supply, Installation, Testing & Commissioning of 11kV Out  HT Breaker Panel with the following components. 11kV Load Break Swich 11kV, 350 MVA, 630A, unit - 1 set Voltmeter (0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push buttot 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set See Bushings - 3 Nos Space Heater Element with Thermostat & wiring - 1 Nos Inspection Lamp LED switch & wiring - 1 set Metering Chamber PT - 100 VA, 11kV/110V, CL 0.2S - 1 No CT - */5A, 15VA 0.2S - 3 Nos Provisions for mounting 3 phase, 4wire, HT CT/PT operated, bi- directional TOD meter accuracy class 0.2S including wiring and test terminal block, site glass etc 1 set Voltage Circuit: active & apparent power consumption of voltage circuit including power supply of meter at refere voltage, reference temperature & frequency shall not exceed 1.0 Watt & 4.0 VA per phase Cur Circuit: The apparent power taken by current circuit at basic current, reference frequency & refere temperature shall not exceed 1.0 VA/phase.( The Quoted rate shall be inclusive of necessary cowiring, components working on LT supply should be prewired completely with necessary control			1					1.000	
Say 1.000 set @ Rs 349.00 / set  Say 1.000 set @ Rs 349.00 / set  Rs 349.00  Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and computing all provided lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and computing all provided lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and computing all provided lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and computing all provided lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and computing all provided lines with rated voltage.  Total Quantity 1.000 set  Rs 3601.00 / set  Rs 360			<u> </u>	•		То	tal Quantity	1.000 set	
Say 1.000 set @ Rs 349.00 / set   Rs 349.00  5 od194699/2018_2019  Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1 overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comp with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1				R	T 12-	Total Deduct	ed Quantity	0.000 set	
Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1' overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comparity with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1				1/1	MIS-	Net To	tal Quantity	1.000 set	
Supplying and erection of three piece nonlinear resistor type lightning arrestor suitable for 3 wire, 1' overhead lines with rated voltage 9 kV (rms) with a nominal discharge current rating of 5 kA and comparity with galvanised clamping arrangement, G.I. bolts, nuts, washers etc. as required.  1				236	Sav 1.00	A CONTRACTOR	<u> </u>		49.00
Net Total Quantity  1.000 set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00  od194700/2018_2019  OUTDOOR HT BREAKER PANEL (LBS) Supply, Installation, Testing & Commissioning of 11kV Outhouth HT Breaker Panel with the following components. 11kV Load Break Swich 11kV, 350 MVA, 630A, unit - 1 set Voltmeter (0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push buttorated 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set Sea Bushings - 3 Nos Space Heater Element with Thermostat & wiring - 1 Nos Inspection Lamp LED switch & wiring - 1 set Metering Chamber PT - 100 VA, 11kV/110V, CL 0.2S - 1 No CT - */5A, 15VA 0.2S - 3 Nos Provisions for mounting 3 phase, 4wire, HT CT/PT operated, bi- directional TOD meter accuracy class 0.2S including wiring and test terminal block, site glass etc 1 set Voltage Circuit: active & apparent power consumption of voltage circuit including power supply of meter at refere voltage, reference temperature & frequency shall not exceed 1.0 Watt & 4.0 VA per phase Cur Circuit: The apparent power taken by current circuit at basic current, reference frequency & reference temperature shall not exceed 1.0 VA/phase.( The Quoted rate shall be inclusive of necessary con wiring, components working on LT supply should be prewired completely with necessary control.		with galvanised clai	1.00	ment, G.I. bo	olts, nuts, wa	shers etc. a	s required.	1.000	
Total Deducted Quantity 0.000 set    Net Total Quantity   1.000 set		with galvariised clai	mping arrange	ment, G.I. bo	olts, nuts, wa	shers etc. a	s required.		
Net Total Quantity  1.000 set  Say 1.000 set @ Rs 3601.00 / set  Rs 3601.00  od194700/2018_2019  OUTDOOR HT BREAKER PANEL (LBS) Supply, Installation, Testing & Commissioning of 11kV Outher HT Breaker Panel with the following components. 11kV Load Break Swich 11kV, 350 MVA, 630A, unit - 1 set Voltmeter ( 0 - 11kV) - 3 Nos LED Pilot Indication - LBS ON / OFF - 1 Set Trip Push buttor 1 set 2NO+2NC Aux contacts - 1 Set 230V AC Shunt Trip Coil - 1 No Aluminium Busbar - 1 Set Sea Bushings - 3 Nos Space Heater Element with Thermostat & wiring - 1 Nos Inspection Lamp LED switch & wiring - 1 set Metering Chamber PT - 100 VA, 11kV/110V, CL 0.2S - 1 No CT - */5A, 15VA 0.2S - 3 Nos Provisions for mounting 3 phase, 4wire, HT CT/PT operated, bi- directional TOD meter accuracy class 0.2S including wiring and test terminal block, site glass etc 1 set Voltage Circuit: active & apparent power consumption of voltage circuit including power supply of meter at refere voltage, reference temperature & frequency shall not exceed 1.0 Watt & 4.0 VA per phase Cur Circuit: The apparent power taken by current circuit at basic current, reference frequency & reference temperature shall not exceed 1.0 VA/phase.( The Quoted rate shall be inclusive of necessary con wiring, components working on LT supply should be prewired completely with necessary control.		with galvanised da	1.00	ment, G.I. bo	olts, nuts, wa	08			
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specified till the connection point for feeding LT Supply from outside, Cable end box for recei			P	rala Wa	ter Auth	To Total Deduct Net To	tal Quantity ed Quantity tal Quantity	1.000 set 0.000 set 1.000 set	601.00
	6	od194700/2018_20 OUTDOOR HT BR HT Breaker Panel unit - 1 set Voltmet 1 set 2NO+2NC Au Bushings - 3 Nos switch & wiring - 1 0.2S - 3 Nos Provis accuracy class 0.2 active & apparent voltage, reference Circuit: The appare temperature shall wiring,components	1  EAKER PANE with the follow er ( 0 - 11kV) - ux contacts - 1 Space Heater set Metering C sions for moun S including wi power consum temperature ent power take not exceed 1.0 s working on L connection poi	L (LBS) Supring componer 3 Nos LED Set 230V A Element with Chamber PT ting 3 phase ring and testing an	Say 1.000  sply, Installation of the Pilot Indication of the Thermostar of the Therm	To Total Deduct Net To Set @ Rs 30  ion, Testing Load Break Sion - LBS Old Coil - 1 No at & wiring - 1kV/110V, CT/PT operatock, site glatincluding poexceed 1.0 Version asic current ed rate shall ewired comply from outsity	tal Quantity ed Quantity tal Quantity 601.00 / set & Commiss Swich 11kV N / OFF - 1 Aluminium 1 Nos Insp L 0.2S - 1 N tted, bi- dire ss etc 1 s ower supply Vatt & 4.0 , reference be inclusiveletely with side, Cable	1.000 set  0.000 set  1.000 set  1.000 set  Rs 36  ioning of 11  , 350 MVA, Set Trip Pus Busbar - 1  pection Lam No CT - */5A ctional TOE set Voltage of meter a VA per pha frequency of e of necess necessary end box fo	kV Outd 630A, L sh buttor Set Seal p LED v A, 15VA, D meter v Circuit: at referer ase Curr & referer sary con controls or receiv

				7	Fotal Deducted Quanti	ty 0.000 set	
					Net Total Quanti	ty 1.000 set	
			S	ay 1.000 se	et @ Rs 215359.00 / s	et	5359.00
7	od194701/2018_2019 HT Bidirectional TOD accuracy class 0.2S register, DLMS comp suitable for measurer MD, kW MD at nominal load conditions in the	Meter Supp for both Act pliant & AMF ment of activ al frequency	ive and Reactive and Reactible compatible with the range	active ener e with opti- ctive energy e of 47.5 Hz	gy, -/5A, HT static tr cal port and RS232 y kVARh and appare to 52.5 Hz in balance	vector meter port having I nt energy kVA ed as well as	r with TOD SI Marking, Ah and kVA unbalanced
		1	/Ge	A COM		1.000	
			- SW		Total Quanti		
		1	42 9		Total Deducted Quanti		
		11		20/2	Net Total Quanti		
		14		Say 1.000 s	set @ Rs 43954.00 / s	et Rs 43	954.00
8	od194702/2018_2019 HT Equipment Pinth,	Substation			Part -	•	-
8		Substation 4mm thick b 2400mm inte ng. The MS i all materials ding all nuts,	arbed wire w rval, Earthin framework fo , labour, lea bolts and ot	vith a frame g as per K or chainlink d, lift etc ir	work of 50x50x6mm N SEI/KSEB standards fencing shall be Hot ncluding escalation w	IS angle betw shall be done Dip Galvanise orks and fabi	reen vertical around the ed. The rate rication and
8	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick b 2400mm inte ng. The MS i all materials ding all nuts,	arbed wire w rval, Earthin framework fo , labour, lea bolts and ot	vith a frame g as per K or chainlink d, lift etc ir	work of 50x50x6mm N SEI/KSEB standards fencing shall be Hot ncluding escalation w	IS angle betw shall be done Dip Galvanise orks and fabi	reen vertical around the ed. The rate rication and
8	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick be 2400mm intended in the MS fall materials, ding all nuts, gineer in Cha	arbed wire w rval, Earthin framework fo , labour, lea bolts and ot arge.	vith a frame g as per K or chainlink d, lift etc ir	work of 50x50x6mm N SEI/KSEB standards fencing shall be Hot ncluding escalation w	IS angle between shall be done Dip Galvanise orks and fabruplete as per control 20.000	reen vertical around the ed. The rate rication and drawing and
8	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick be 2400mm intended in the MS fall materials, ding all nuts, gineer in Cha	arbed wire w rval, Earthin framework fo , labour, lea bolts and ot arge.	vith a frame g as per K or chainlink d, lift etc ir	work of 50x50x6mm MSEI/KSEB standards fencing shall be Hot notuding escalation waneous items etc com	IS angle between shall be done Dip Galvanise orks and fabrical plete as per control 20.000 ty 20.000 me	reen vertical around the ed. The rate rication and drawing and etre
8	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick b 2400mm inteng. The MS is all materials ding all nuts, gineer in Cha	arbed wire w rval, Earthin framework fo , labour, lea bolts and ot arge.	vith a frame g as per K or chainlink d, lift etc ir	work of 50x50x6mm MSEI/KSEB standards fencing shall be Hot ncluding escalation waneous items etc com	IS angle between shall be done Dip Galvanise orks and fabrical plete as per control 20.000 ty 20.000 metry 0.000 metry 0.000 metry 0.000 metry	reen vertical around the ed. The rate rication and drawing and etre
8	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick b 2400mm inteng. The MS is all materials ding all nuts, gineer in Cha	arbed wire wrval, Earthin framework for labour, least bolts and of large.	vith a frame g as per K or chainlink d, lift etc in ther miscall	work of 50x50x6mm MSEI/KSEB standards fencing shall be Hot ncluding escalation waneous items etc com  Total Quantificatal Deducted Quantificatal Deducted Quantificatal States and states are states as a second states	angle between the shall be done of the shall be don	reen vertical around the ed. The rate rication and drawing and etre
9	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of assembly works include	Substation 4mm thick be 2400mm intended in the MS fall materials, ding all nuts, gineer in Charles 1	arbed wire wrval, Earthin framework for labour, lead bolts and of large.  20.000  Say 2	vith a frame g as per K or chainlink d, lift etc in ther miscall 0.000 metre 40mm size	work of 50x50x6mm Note of 50x50x6mm Note of 50x50x6mm Note of the second state of the second state of the second o	angle between the shall be done on the shall be don	een vertical around the ed. The rate rication and drawing and etre
	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of a assembly works include as directed by the Engage od 194703/2018_2019 Supplying and filling to	Substation 4mm thick be 2400mm intended in the MS fall materials, ding all nuts, gineer in Charles 1	arbed wire wrval, Earthin framework for labour, lead bolts and of large.  20.000  Say 2	vith a frame g as per K or chainlink d, lift etc in ther miscall 0.000 metre 40mm size	work of 50x50x6mm Note of 50x50x6mm Note of 50x50x6mm Note of the second state of the second state of the second o	angle between the shall be done on the shall be don	een vertical around the ed. The rate rication and drawing and etre
	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of a assembly works include as directed by the Engage od 194703/2018_2019 Supplying and filling to	Substation 4mm thick be 2400mm integer. The MS is all materials, gineer in Characterials, laboraterials, laboraterials, laboraterials, laboraterials.	arbed wire wrval, Earthin framework for labour, lead bolts and of large.  20.000  Say 2  On yard with ur charges of larges.	vith a frame g as per K or chainlink d, lift etc in ther miscall 0.000 metre 40mm size	work of 50x50x6mm Note of 50x50x6mm Note of 50x50x6mm Note of the second state of the second state of the second o	angle between the shall be done on the shall be done or s	een vertical around the ed. The rate rication and drawing and etre e tre 960.00
	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of a assembly works include as directed by the Engage od 194703/2018_2019 Supplying and filling to	Substation 4mm thick be 2400mm integer. The MS is all materials, gineer in Characterials, laboraterials, laboraterials, laboraterials, laboraterials.	arbed wire wrval, Earthin framework for labour, lead bolts and of large.  20.000  Say 2  On yard with ur charges of larges.	vith a frame g as per K or chainlink d, lift etc in ther miscall 0.000 metre 40mm size	Total Quanti Net Total Quanti e @ Rs 1298.00 / met blue jelly of 150mm te	angle between the shall be done orks and fabroplete as per constant in the shall be done orks and fabroplete as per constant in the shall be done or shall be d	een vertical around the ed. The rate rication and drawing and etre e tre 960.00
	HT Equipment Pinth, chainlink fencing over posts of ISMC 75 at 2 periphery of the fencir shall be inclusive of a assembly works include as directed by the Engage od 194703/2018_2019 Supplying and filling to	Substation 4mm thick be 2400mm integer. The MS is all materials, gineer in Characterials, laboraterials, laboraterials, laboraterials, laboraterials.	arbed wire wrval, Earthin framework for labour, lead bolts and of large.  20.000  Say 2  On yard with ur charges of larges.	vith a frame g as per K or chainlink d, lift etc in ther miscall 0.000 metre 40mm size	Total Quantice @ Rs 1298.00 / met  Total Quantice @ Rs 1298.00 / met  Total Quantice @ Total Quantice @ Total Quantice @ Rs 1298.00 / met	angle between the shall be done orks and fabroplete as per constant in the shall be done orks and fabroplete as per constant in the shall be done orks and fabroplete as per constant in the shall be done or the shall be	een vertical around the ed. The rate rication and drawing and etre e tre 960.00

10	7.1.1 Random rubble masor concrete 1:6:12 (1 cem	ent : 6 coar	rse sand : 1	2 graded sto	•	Ū	Ο.	
	level with:Cement mort	ar 1:6 (1 ce	ment : 6 cc	arse sand)				
		1	2.000				2.000	
					To	otal Quantity	2.000 cum	
				Т	otal Deduct	ted Quantity	0.000 cum	
					Net To	otal Quantity	2.000 cum	
				Say 2.000 cu	m @ Rs 75	20.41 / cum	Rs 150	040.82
11	od194705/2018_2019 400 KVA Transformer- 3Ph, 50Hz, 11/0.433 kV +5% to -10% in steps cable. The transformer complete with all stand materials, lead,lift, first complete as per single	/,ONAN co of 2.5% wi shall have ard accesso fill of oil, ne	oled, coppe th OFTC. T suitable en ories and fit ecessary civ	er wound outon The HT side of closure for The tings & conform til works for r	door distribu & LT side sine HT side orm to IS:20 nounting to	ution transfor shall have ca & LT side. T 26. The rate the existing	rmer with tap able end bo he transforn shall be ind	opings from x for XLPE ner shall be lusive of all
		1			الراء	5	1.000	
					To	otal Quantity	1.000 set	
			A Digital	da anta T	otal Deduct	ted Quantity	0.000 set	
		Ker	ala Wa	ter Auth	OTINE TO	otal Quantity	1.000 set	
		D		Say 1.000 se	t @ Rs 631	587.00 / set	Rs 631	587.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
72(a)- Su	pply, erection, testing	and comm	issioning o	of 400 KVA T	ransforme	r and allied	works at A	ady plant

compound-(2)- LT / MV PANELS & ACCESSORIES

page 39

(Cost Index:41.53 %)

## 1 od201682/2018\_2019

PCC PANEL - Supply, fabrication, erection, testing and commissioning of cubicle type fully compartmentalised, dust tight, vermin proof, water proof 800A LT- Main 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, top cable entry with water proof shrouding, free standing panel consisting of the following as per standards ( All switches shall confirm to conforming to IEC 60947-2 standards). Incommer 800A FP Microprocessor based MDO ACB (35kA) - 1 Nos. Restricted Earth Fault Relay - 1 Set 800A TPN best conductivity Aluminium busbar with SMC supports, heat shrinkable sleeves etc. as per ISS - 1set RYB indicators ( LED Pilot type ) with 2A Control MCB and toggle switches - 4 Set Multifunction Digital Panel meter to read V, A, F, PF, kW, kVA, kVAR, kWh, kVAh, kVARh Class 1.0 - 1 Set 800/5A CL 1.0, 15VA Metering CTs - 1 Set Outgoings: 630A, 35kA 4P MCCB -2 Nos. 200A FP SDFU (100kA) - 2 Nos. 63A FP SDFU (100kA) - 1 Nos. Surge Protection Pluggable type surge arrester with potential free contact, thermal disconnector & provision for inbuilt common remote indication for defective arresters to connect between Line and Neutral and one number Spark Gap type arrester to connect between Neutral and Earth of following ratings including base element & pluggable arresters. Nominal voltage 230V, 50Hz, Nominal Discharge current 30 kA (8/20 sec) for Line to Neutral & 50 kA (8/20 sec) for Neutral to Earth, Maximum Discharge Current Imax 50 kA (8/20 sec) -1Set Supports The panel shall be supported to ground using framework fabricated out of MS Flats / Angles etc. painted with two coats of Zinc Chromate primer and two coats of enamel paint. The framework shall be firmly supported to ground using suitable cement concrete plinth. The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white enamel paint. The board shall be fabricated in such a way that future extenstion be possible. Supply & Labour

Kerala Water Authority	1.000
Total Quantity	1.000 set
Total Deducted Quantity	0.000 set
Net Total Quantity	1.000 set
Say 1.000 set @ Rs 294498.00 / set	Rs 294498.00

## 2 od194956/2018 2019

WTP - MCC PANEL- 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, top cable entry with water proof shrouding, free standing panel consisting of the following as per standards ( All switches shall confirm to conforming to IEC 60947-2 standards). Incoming: 200A TPN Isolator - 1 No. 200A 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 CL 1.0, 15VA Metering CTs - 1 Set Outgoings: 100A TPN SDFU (100kA) - 3 Nos. 32A TP D curve MCB (10kA) - 6 Nos. 25A TP D curve MCB (10kA) - 3 Nos. 10A TP D curve MCB (10kA) - 4 Nos. Supports The panel shall be supported to ground using framework fabricated out of MS Flats / Angles etc. painted with two coats of Zinc Chromate primer and two coats of enamel paint. The framework shall be firmly supported to ground using suitable

cement concrete plinth. The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white enamel paint. The board shall be fabricated in such a way that future extenstion be possible. Supply & Labour 1 1.000 Total Quantity 1.000 set Total Deducted Quantity 0.000 set Net Total Quantity 1.000 set Say 1.000 set @ Rs 84484.00 / set Rs 84484.00 3 od194957/2018 2019 APFC PANEL -Automatic Power Factor Correction Panel of total 40 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 100A TPN Isolator - 1 No. 100 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 100/5A 15VA CL 1.0 Metering CTs - 3 Sets Microprocessor based intelligent, 8 step IPFC relay with PF display - 1 No. Out goings 40A, 10kA C Curve TP MCB - 1 Nos 20A, 10kA C Curve TP MCB - 1 Nos 16A, 10kA C Curve TP MCB - 2 Nos 10A, 10kA C Curve TP MCB - 1 Nos 6A, 10kA C Curve TP MCB - 3 Nos Capacitor duty contactors working on 3 Phase 415V AC supply of the following ratings wired with Pilot LED indication for ON & OFF, Push Buttons for Manual ON & OFF operation using suitable NO / NC contacts for all the stages 15 kVAr - 1 Nos 10 kVAr- 3 Nos 7.5 kVAr- 4 Nos 480 V,50 Hz Double di-electric polypropylene (MPP heavy duty) Capacitors of the following ratings including fixed compensation for low load losses. 15 kVAr - 1 Nos 10 kVAr- 1 Nos 5 kVAr- 2 Nos 2 kVAr - 2 Nos 1 kVAr - 1 Nos The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white enamel paint. Supply & Labour Supports The panel shall be supported to ground using framework fabricated out of MS Flats / Angles etc. painted with two coats of Zinc Chromate primer and two coats of enamel paint. The framework shall be firmly supported to ground using suitable cement concrete plinth. The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white enamel paint. Supply & Labour 1 1.000 Total Quantity 1.000 set Total Deducted Quantity 0.000 set Net Total Quantity 1.000 set Say 1.000 set @ Rs 119898.00 / set Rs 119898.00

Remark

Quantity

Description

No

L

SI No

	pply, erection, testing a		_				works at Al	
1	od194998/2018_2019 Supply, installation, test and vermin proof enclor earth bus and DIN rail outgoings etc. on wall making good the dama Including closing vacc	osure (IP43) suitable for using suital ages, colou	Vertical TF fixing RCC ble anchor I r washing,	PN Double of B + Isolator polts or fixed dressing the	door DB incl (8 module d in recess e DB includ	uding coppo )as incomm including cu	er bus bar, i er and SP/ utting hole o	neutral link, TP MCB as on the wall ,
		1					1.000	
					То	tal Quantity	1.000 No	
				О Т	otal Deduct	ed Quantity	0.000 No	
			JAB	\$64\_	Net To	tal Quantity	1.000 No	
			C. J. W	Say 1.000 N	No @ Rs 11	136.00 / No	Rs 11	136.00
2	od194999/2018_2019 Supply and providing the MCS / Junction Boxes sleeves, insulation etc.	etc. includ	ding giving	proper term	nination usir			_
		1					1.000	
			The Basis	a and	То	tal Quantity	1.000 No	
		Kera	ala Wat	er Auth	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
				Say 1.000	No @ Rs 6	640.00 / No	Rs 66	40.00
3	od195000/2018_2019 Supply and providing the MCS / Junction Boxes sleeves, insulation etc.	etc. includ	ding giving	proper term	nination usir			_
		1					1.000	
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
				Say 1.000	No @ Rs 1	050.00 / No	Rs 10	50.00
4	od195001/2018_2019 Supply and providing the MCS / Junction Boxes sleeves, insulation etc.	etc. includ	ding giving	proper term	nination usir			_
		36					36.000	
					 To	tal Quantity	36.000 No	

				Т	Total Deduct	ed Quantity	0.000 No	
						tal Quantity		
				Sav 36 00		181.00 / No		516.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
	Supply, erection, testir				1		,	
<b>2</b> (a)- <b>0</b>	compound- (4	_	_			t Index:41.		iady pian
1	od195885/2018_201 HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing Sqm	Supply & layided semi con mpound in co galvanized st	ducting comombination teel flat strip	npound XLP with copper armoured, a	E insulated, tape (0.3 k and overall F	insulation s A for 1 sec VC sheathe	screened with a cores lated cable of t	ith extrude id up, inn he followi
		1	25.000				25.000	
			JK 5	K X	To	tal Quantity	25.000 me	etre
		( k	1 1 100	RAWA	Total Deduct	ed Quantity	0.000 metr	e
		15	ILE		Net To	tal Quantity	25.000 me	tre
		7475						
2	od195886/2018_201 HT Power Cables -	Supply & layi	ng 11KV str	er amr	oact circular	r aluminium	conductor,	
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing	Supply & layi ded semi con mpound in co galvanized st	ng 11KV str ducting com ombination reel flat strip	anded compound XLP with copper armoured, a	pact circular E insulated, tape (0.3 k	r aluminium insulation s A for 1 sec	conductor, screened w .), cores la	conducto ith extrude id up, inn he followin
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape,	Supply & layi ded semi con mpound in co galvanized st	ng 11KV str ducting com ombination reel flat strip	anded compound XLP with copper armoured, a	pact circular E insulated, tape (0.3 k	r aluminium insulation s A for 1 sec	conductor, screened w .), cores la	conducto ith extrude id up, inn he followin
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing	Supply & layided semi conmpound in congalvanized stable trench	ng 11KV str ducting com ombination eel flat strip conforming	anded compound XLP with copper armoured, a	pact circular E insulated, tape (0.3 k and overall F part II 1985	r aluminium insulation s A for 1 sec VC sheather with latest	conductor, screened w .), cores la ed cable of t amendmen 25.000	conducto ith extrud- id up, inn he followints.3C x 1
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing	Supply & layided semi conmpound in congalvanized stable trench	ng 11KV str ducting com ombination eel flat strip conforming	randed complete the compart of the c	pact circular E insulated, tape (0.3 k and overall F part II 1985	r aluminium insulation s A for 1 sec VC sheathe with latest	conductor, screened with the conductor with the condu	conducto ith extrude id up, inn he followin ts.3C x 19
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing	Supply & layided semi conmpound in congalvanized stable trench	ng 11KV str ducting com ombination eel flat strip conforming	randed complete the compart of the c	pact circular E insulated, tape (0.3 k and overall F part II 1985	r aluminium insulation s A for 1 sec VC sheathe with latest stal Quantity	conductor, screened w.), cores la ed cable of tamendmen 25.000 metro.	conducto ith extrude id up, inn he followin ts.3C x 1:
2	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing	Supply & layided semi conmpound in congalvanized stable trench	ng 11KV str ducting com ombination eel flat strip conforming 25.000	randed complete in the complet	pact circular E insulated, tape (0.3 k and overall F part II 1985  To Total Deduct	r aluminium insulation s A for 1 sec VC sheathe with latest tal Quantity ed Quantity tal Quantity	conductor, screened w.), cores la ed cable of tamendmen 25.000 met 0.000 metroscopic conductor, conductor, core la cable of tamendmen 25.000 metroscopic conductor, c	conducto ith extrude id up, inn he followin ts.3C x 1:
3	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing Sqm  od195980/2018_201 HT Cable Terminatio kit, including lugs an	Supply & layided semi conmpound in congalvanized strench	ng 11KV structured strip combination conforming 25.000  Say 2 and making g materials,	randed complete pound XLP with copper armoured, a to IS: 7098	tape (0.3 k tape (0.3 k and overall F part II 1985 Total Deduct Net Total e @ Rs 2318	r aluminium insulation s A for 1 sec VC sheather with latest  tal Quantity ed Quantity tal Quantity tal Quantity atal Quantity tal Quantity	conductor, screened w.), cores la ed cable of tamendmen 25.000 met 25.000 met 25.000 met Rs 57	conducto ith extrude id up, inn he followin ts.3C x 1:  etre e tre 950.00
	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing Sqm  od195980/2018_201 HT Cable Termination	Supply & layided semi conmpound in congalvanized strench  1  1  9  ons Supplying ad other jointined. 3C x 150 S	ng 11KV structured strip combination conforming 25.000  Say 2 and making g materials,	randed complete pound XLP with copper armoured, a to IS: 7098	tape (0.3 k tape (0.3 k and overall F part II 1985 Total Deduct Net Total e @ Rs 2318	r aluminium insulation s A for 1 sec VC sheather with latest  tal Quantity ed Quantity tal Quantity tal Quantity atal Quantity tal Quantity	conductor, screened w.), cores la ed cable of tamendmen 25.000 metro 25.000 metro Rs 57	conducto ith extrude id up, inn he followin ts.3C x 1:  etre e tre 950.00
	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing Sqm  od195980/2018_201 HT Cable Terminatio kit, including lugs an	Supply & layided semi conmpound in congalvanized strench	ng 11KV structured strip combination conforming 25.000  Say 2 and making g materials,	randed complete pound XLP with copper armoured, a to IS: 7098	Total Deduct  Re @ Rs 2318  le end terming sizes, XLP	r aluminium insulation s A for 1 sec VC sheather with latest tal Quantity ed Quantity tal Quantity 3.00 / metre nation with E aluminium	conductor, screened w.), cores la ed cable of tamendmen 25.000 metro 25.000 metro Rs 57	conducto ith extrud id up, inr he followi ts.3C x 1  etre e tre 950.00
	HT Power Cables - screened with extru semi conducting co sheath of PVC tape, sizes in the existing Sqm  od195980/2018_201 HT Cable Terminatio kit, including lugs an	Supply & layided semi conmpound in congalvanized strench  1  1  9  ons Supplying ad other jointined. 3C x 150 S	ng 11KV structured strip combination conforming 25.000  Say 2 and making g materials,	randed compround XLP with copper armoured, a to IS: 7098	Total Deduct  Re and terming sizes, XLP	r aluminium insulation s A for 1 sec VC sheather with latest  tal Quantity ed Quantity tal Quantity tal Quantity atal Quantity tal Quantity	conductor, screened w.), cores la ed cable of tamendmen 25.000 metro 25.000 metro Rs 57 heat shrinken conductor 1.000 1.000 set	conducto ith extrud id up, inr he followi ts.3C x 1  etre e tre 950.00

			Sa	y 1.000 se	et @ Rs 7664.00 / se	et Rs 76	64.00
4	od195981/2018_2019 HT Cable Termination kit, including lugs and KV grade as required.	other jointin	g materials, for f				•
		1				1.000	
			1		Total Quantit	y 1.000 set	
				To	tal Deducted Quantit	y 0.000 set	
					Net Total Quantit	y 1.000 set	
			Say	1.000 set	@ Rs 10002.00 / se	et Rs 10	002.00
5	od195993/2018_2019 HT Cable Termination including lugs and oth KV grade as required.	er jointing m	aterials, for for f		, ,		
		1	10/1/45	1/211	_ \ \ \	1.000	
		NA	This	2	Total Quantit	y 1.000 set	
		Talde		To	tal Deducted Quantit	y 0.000 set	
				337	Net Total Quantit	y 1.000 set	
		17	Say ala Water		@ Rs 12802.00 / se	et	802.00
6	od196006/2018_2019 HT Cable Termination kit, including lugs and 11 KV grade as requir	other jointin	ng and making C g materials, for f	utdoor ca	ble end jointing with	inium conduc	-
		1				1.000	
					Total Quantit		
				Tot	tal Deducted Quantit	y 0.000 set	
					Net Total Quantit		
			Say	1.000 set	@ Rs 14660.00 / se	et	660.00
7	od195889/2018_2019 LT Power Cables - Su armoured power cable		•				
		1	120.000			120.000	
				<u> </u>		1	·
					Total Quantit	y 120.000 m	etre
				Tot	Total Quantit		
				Tot		y 0.000 metr	е

		pply & layin	•	sulated and PVC sheathe		
		1	60.000		60.000	
				Total Quantity	60.000 metre	Э
				Total Deducted Quantity	0.000 metre	
				Net Total Quantity	60.000 metre	!
			Say 60.000 m	etre @ Rs 1241.00 / metre	Rs 7446	0.00
9		pply & layin	•	sulated and PVC sheathe		
		1	30.000		30.000	
				Total Quantity	30.000 metre	Э
				Total Deducted Quantity	0.000 metre	
		( h		Net Total Quantity	30.000 metre	!
		115	Sav 30.000 r	metre @ Rs 539.00 / metre	Rs 1617	0.00
10	od195892/2018_2019	14/42		15.65		
	armoured power cabl	e of 1.1 KV	1 1 YYY 1 A	Total Quantity  Total Quantity	30.000 metre	•
				Net Total Quantity	30.000 metre	<u> </u>
			Say 30.000 r	Net Total Quantity metre @ Rs 421.00 / metre		
11		upply & layi	ng UG AYFY,PVC in		Rs 1263	0.00
11	LT Power Cables - S	upply & layi	ng UG AYFY,PVC in	metre @ Rs 421.00 / metre	Rs 1263	0.00
11	LT Power Cables - S	upply & layi e of 1.1 KV	ng UG AYFY,PVC in grade of following siz	metre @ Rs 421.00 / metre	Rs 1263 ed Aluminium of eiling- 3.5C x 2 30.000	conduct 25 Sqm
11	LT Power Cables - S	upply & layi e of 1.1 KV	ng UG AYFY,PVC in grade of following siz	metre @ Rs 421.00 / metre sulated and PVC sheathe	Rs 1263  ed Aluminium of eiling- 3.5C x 2  30.000  30.000 metre	conduct 25 Sqm
11	LT Power Cables - S	upply & layi e of 1.1 KV	ng UG AYFY,PVC in grade of following siz	metre @ Rs 421.00 / metre sulated and PVC sheather zes through trench/wall/ c	Rs 1263  ed Aluminium of eiling- 3.5C x 2  30.000  30.000 metre	conduct 25 Sqm
11	LT Power Cables - S	upply & layi e of 1.1 KV	ng UG AYFY,PVC in grade of following siz 30.000	metre @ Rs 421.00 / metre sulated and PVC sheather zes through trench/wall/ c  Total Quantity	Rs 1263  ed Aluminium of eiling- 3.5C x 2 30.000  30.000 metre 0.000 metre	conduct 25 Sqm
11	LT Power Cables - S armoured power cabl od195894/2018_2019 LT Power Cables - S	upply & layi e of 1.1 KV 1	ng UG AYFY,PVC in grade of following sizes 30.000  Say 30.000 r	metre @ Rs 421.00 / metre sulated and PVC sheather zes through trench/wall/ c  Total Quantity  Total Deducted Quantity  Net Total Quantity	Rs 1263  ed Aluminium of eiling- 3.5C x 2  30.000  30.000 metre  0.000 metre  Rs 1050  ed Aluminium of eiling- 3.5C x 2  30.000 metre	conduct 25 Sqm

					То	tal Quantity	75.000 met	tre
				Т	otal Deduct	ed Quantity	0.000 metre	<b>;</b>
					Net To	tal Quantity	75.000 met	re
			Say	75.000 met	re @ Rs 216	6.00 / metre	Rs 162	200.00
13	od195895/2018_2019 LT Power Cables - Su armoured power cable		•					
					То	tal Quantity	105.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metre	<del></del>
			Co	R:	Net To	tal Quantity	105.000 me	etre
			Say 1	05.000 met	re @ Rs 179	9.00 / metre	Rs 187	795.00
14	od195896/2018_2019 LT Power Cables - Su armoured Power / Con 2.5 Sqmm		71 % 27 %					
		1	50.000	BOY.			50.000	
				in of	То	tal Quantity	50.000 met	tre
		Vor	ala Wat	or Auth	otal Deduct	ed Quantity	0.000 metre	<b>;</b>
			car	EQ 000 met	7	tal Quantity	50.000 met	
45	. 1405007/0040, 0040		Say	50.000 met	ie @ RS 300	5.00 / metre	Rs 152	250.00
15	od195897/2018_2019 LT Power Cables - Pr following sizes using S Sqmm (57mm)	_		-	=			
		6					6.000	
					То	tal Quantity	6.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	6.000 No	
				Say 6.000	No @ Rs 1	245.00 / No	Rs 74	70.00
16	od195898/2018_2019 LT Power Cables - Pr following sizes using S Sqmm (50mm)	_		_	•			
		8					8.000	
					То	tal Quantity	8.000 No	

				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	8.000 No	
				Say 8.00	0 No @ Rs	917.00 / No	Rs 73	336.00
17	od195899/2018_201 LT Power Cables - following sizes using Sqmm (35mm)	Providing ca	J	0.0	Ū			
		4					4.000	
					To	tal Quantity	4.000 No	
				T	otal Deduct	ed Quantity	0.000 No	
			100	_6\	Net To	tal Quantity	4.000 No	
			M	Say 4.00	0 No @ Rs	548.00 / No	Rs 21	192.00
	LT Power Cables - following sizes using Sqmm (32mm)	g Siemens ty					c. complete	
		4					4.000	
					To	tal Quantity	4.000 No	
		IV au	ala Wa	1	otal Deduct	ed Quantity	0.000 No	
		Ker	ala wa	ter Auth	Net To	tal Quantity	4.000 No	
				Say 4 00		427 00 / No	D - 4-	
		$-\mathcal{U}$		Jay 4.00	0 No @ Rs	437.00 / NO	RS 17	748.00
19	od195901/2018_201 LT Power Cables - following sizes using Sqmm (28mm)	Providing ca	_	g, gland ear	thing & end	d termination	on of UG ca	ables of the
19	LT Power Cables - following sizes using	Providing ca	_	g, gland ear	thing & end	d termination	on of UG ca	ables of the
19	LT Power Cables - following sizes using	Providing ca	_	g, gland ear	thing & end	d termination	on of UG ca c. complete 4.000	ables of the
19	LT Power Cables - following sizes using	Providing ca	_	ng, gland ear	thing & end gland & Cop	d termination	on of UG ca c. complete 4.000 4.000 No	ables of the
19	LT Power Cables - following sizes using	Providing ca	_	ng, gland ear	thing & england & Cop To	d termination oper lugs et tal Quantity	4.000 4.000 No	ables of the
19	LT Power Cables - following sizes using	Providing ca	_	ng, gland ear compression o	thing & england & Cop To Total Deduct Net To	d termination oper lugs etc tal Quantity ed Quantity	4.000 No 0.000 No 4.000 No	ables of the
20	LT Power Cables - following sizes using	Providing cag Siemens type 4  4  Providing cag 2	ble glandin	sg, gland ear compression g	thing & england & Cop  To  Total Deduct  Net To  0 No @ Rs  thing & eng	tal Quantity ed Quantity tal Quantity 398.00 / No	4.000 A.000 No 4.000 No Rs 15	ables of the -3.5C x 25
	LT Power Cables - following sizes using Sqmm (28mm)  od195902/2018_201 LT Power Cables - following sizes using	Providing cag Siemens type 4  4  Providing cag 2	ble glandin	sg, gland ear compression g	thing & england & Cop  To  Total Deduct  Net To  0 No @ Rs  thing & eng	tal Quantity ed Quantity tal Quantity 398.00 / No	4.000 A.000 No 4.000 No Rs 15	ables of the 3.5C x 25

				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	10.000 No	
				Say 10.00	0 No @ Rs	266.00 / No	Rs 26	60.00
21	od195903/2018_2019 LT Power Cables - F following sizes using \$ (22mm)	Providing ca	_		•			
		14					14.000	
					То	tal Quantity	14.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
			n.	-@	Net To	tal Quantity	14.000 No	
			J/100	Say 14.00	0 No @ Rs	225.00 / No	Rs 31	50.00
22	od195904/2018_2019 LT Power Cables - F following sizes using Sqmm	Providing ca						
		2		S. SY			2.000	
		70			То	tal Quantity	2.000 No	
			Var Bai	a sata T	otal Deduct	ed Quantity	0.000 No	
		Ker	ala Wai	ter Auth	Or1 Net To	tal Quantity	2.000 No	
				Say 2.00	0 No @ Rs	211.00 / No	Rs 42	22.00
23	od195905/2018_2019 LT Power Cables - S sheathed Copper con as per IS 8130/1984 generally conforming conduit / casing cappi	Supply & dr ductor round Insulated an to IS 694/19	flexible wire d sheathed 90 for workin	e manufactur with electric	ed with brig al grade PV	ht annealed ′C compour	l bare coppe nd as per IS	er conducto 5831/1984
		1	25.000				25.000	
					То	tal Quantity	25.000 me	tre
				Т	otal Deduct	ed Quantity	0.000 metre	е
					Net To	tal Quantity	25.000 met	re
			Sa	ıy 25.000 me	tre @ Rs 47	7.00 / metre	Rs 11	75.00
24	od195906/2018_2019 LT Power Cables - S sheathed Copper con as per IS 8130/1984 generally conforming conduit / casing cappi	Supply & dr. ductor round Insulated an to IS 694/199	flexible wire d sheathed 90 for workin	e manufactur with electric	ed with brig al grade PV	ht annealed ′C compour	l bare coppe nd as per IS	er conducto 5831/198

		1	25.000				25.000	
					To	tal Quantity	25.000 me	etre
				Т	otal Deduct	ed Quantity	0.000 metr	е
					Net To	tal Quantity	25.000 me	tre
			Sa	ıy 25.000 me	etre @ Rs 8	3.00 / metre	Rs 22	200.00
25	od195907/2018_2019 PVC Conduits - Suppl confirming to IS 953 etc.complete.20mm	37/1983 on	surface /	•		•		•
		1	350.000				350.000	
		1	P.	P.	To	tal Quantity	350.000 m	netre
			M		otal Deduct	ed Quantity	0.000 metr	е
			436	B 75.	Net To	tal Quantity	350.000 m	etre
		619	Say	350.000 me	etre @ Rs 8	3.00 / metre	Rs 30	800.00
	etc.complete.25mm	dia, 1.5mr		, oncealed	position ma	aking good		Tyes ma
	etc.complete.25mm	dia, 1.5mr		er Auth	Toority To	tal Quantity	250.000 250.000 m 0.000 metr	netre e
	etc.complete.25mm	dia, 1.5mr	250.000 and wat	er Auth	Total Deduct	tal Quantity ed Quantity tal Quantity	250.000 m 250.000 m 0.000 metr 250.000 m	netre e etre
27	etc.complete.25mm  od195909/2018_2019  PVC Conduits - Suppl confirming to IS 9537/32mm dia 1.5mm thick	ly and provid	Say 2	250.000 met	Total Deduct Net To re @ Rs 10	tal Quantity ed Quantity tal Quantity 7.00 / metre	250.000 m 250.000 m 0.000 metr 250.000 m Rs 26	netre e etre 750.00
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	ly and provid	Say 2	250.000 met	Total Deduct Net To re @ Rs 10	tal Quantity ed Quantity tal Quantity 7.00 / metre	250.000 m 250.000 m 0.000 metr 250.000 m Rs 26	netre e etre 750.00
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	y and providing 1983 on surf	Say 2	250.000 met	Total Deduct Net Total re @ Rs 10	tal Quantity ed Quantity tal Quantity 7.00 / metre	250.000 m  250.000 m  0.000 metr  250.000 m  Rs 26  conduits w ges made e	netre e etre 750.00 vith speciatc.comple
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	y and providing 1983 on surf	Say 2	250.000 met owing size of led position	To Total Deduct  Net Total Price (2) Rs 10 <sup>-1</sup> of ISI Market making good	tal Quantity ed Quantity tal Quantity 7.00 / metre d rigid PVC d the damag	250.000 m  250.000 m  0.000 metr  250.000 m  Rs 26  conduits w ges made e  100.000  100.000 m	netre e etre 750.00 vith speciatc.comple
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	y and providing 1983 on surf	Say 2	250.000 met owing size of led position	Total Deduct  Net Total Peduct  Res 10  of ISI Market making good  Total Deduct	tal Quantity ed Quantity tal Quantity 7.00 / metre d rigid PVC d the damage	250.000 m 250.000 m 0.000 metr 250.000 m Rs 26 conduits w ges made e 100.000 100.000 m 0.000 metr	netre e etre 750.00 vith speciatc.comple netre
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	y and providing 1983 on surf	Say 2 ding the folloface concea	250.000 met owing size of led position	Total Deduct  Net Total Deduct  Rs 10  of ISI Market making good  Total Deduct  Net Total	tal Quantity ed Quantity tal Quantity 7.00 / metre d rigid PVC d the damage tal Quantity ed Quantity tal Quantity	250.000 m  250.000 m  0.000 metr  250.000 m  Rs 26  conduits w ges made e  100.000 m  0.000 metr  100.000 m	netre e etre 750.00 vith speciatc.comple netre
27	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/	y and provided the state of the	Say 2 ding the folloface concea  100.000	250.000 met owing size of led position	Total Deduct Net Total Deduct re @ Rs 10 of ISI Market making good  Total Deduct Net Total re @ Rs 136	tal Quantity ed Quantity tal Quantity 7.00 / metre d rigid PVC d the damage tal Quantity ed Quantity tal Quantity tal Quantity	250.000 m  250.000 m  0.000 metr  250.000 m  Rs 26  conduits w ges made e  100.000  100.000 m  0.000 metr  100.000 m  Rs 13	netre e etre 750.00 vith specia tc.comple netre e etre 800.00
	od195909/2018_2019 PVC Conduits - Suppl confirming to IS 9537/ 32mm dia 1.5mm thick	y and provided the state of the	Say 2 ding the folloface concea  100.000	250.000 met owing size of led position	Total Deduct  Net Total Deduct  Re @ Rs 10  of ISI Market making good  Total Deduct  Net Total  re @ Rs 136	tal Quantity ed Quantity tal Quantity 7.00 / metre d rigid PVC d the damage tal Quantity ed Quantity tal Quantity tal Quantity	250.000 m  250.000 m  0.000 metr  250.000 m  Rs 26  conduits w ges made e  100.000  100.000 m  0.000 metr  100.000 m  Rs 13	netre e etre 750.00 vith specia tc.complete etre e etre 800.00

	Total Deducted Quantity	0 000 metre
	Net Total Quantity	
	Say 100.000 metre @ Rs 43.00 / metre	Rs 4300.00
29	od195911/2018_2019  PVC Conduits- Supply & providing Capping / Casing of good quality of the following	g sizes. 25 mm
	1 100.000	100.000
	Total Quantity	100.000 metre
	Total Deducted Quantity	0.000 metre
	Net Total Quantity	100.000 metre
	Say 100.000 metre @ Rs 49.00 / metre	Rs 4900.00
30	od195912/2018_2019  UG Cable Tamper Protection- Supply & laying the following size of B class GI Pip protection in the existing trench in position etc. complete.50 mm  1 10.000	e for UG Cable tamper
	Total Quantity	10.000 metre
	Total Deducted Quantity	0.000 metre
	Net Total Quantity	10.000 metre
	Say 10.000 metre @ Rs 379.00 / metre	Rs 3790.00
31	od195913/2018_2019 Kerala Water Authority  UG Cable Tamper Protection- Supply & laying the following size of B class GI Pip protection in the existing trench in position etc. complete. 75 mm	e for UG Cable tampe
	1 10.000	10.000
	Total Quantity	10.000 metre
	Total Deducted Quantity	0.000 metre
	Net Total Quantity	10.000 metre
	Say 10.000 metre @ Rs 485.00 / metre	Rs 4850.00
32	od195914/2018_2019	
	Circuit Mains- Supply and wiring the following size of PVC insulated copper wire mannealed bunched electrolytic copper conductor as per IS 8130/1984 insulated PVC compound per as IS 5831/1984 Generally Conforming to IS 694/1990 for wo including 1100 V.through the existing PVC conduits / capping casing. 3 run x 4.0 sas per vetted estimate	with di-electrical grade rking voltage up to and
	annealed bunched electrolytic copper conductor as per IS 8130/1984 insulated PVC compound per as IS 5831/1984 Generally Conforming to IS 694/1990 for wo including 1100 V.through the existing PVC conduits / capping casing. 3 run x 4.0 S	with di-electrical grade rking voltage up to and
	annealed bunched electrolytic copper conductor as per IS 8130/1984 insulated PVC compound per as IS 5831/1984 Generally Conforming to IS 694/1990 for wo including 1100 V.through the existing PVC conduits / capping casing. 3 run x 4.0 sas per vetted estimate	with di-electrical grade rking voltage up to and Sqmm - SPN + E - rate
	annealed bunched electrolytic copper conductor as per IS 8130/1984 insulated a PVC compound per as IS 5831/1984 Generally Conforming to IS 694/1990 for wo including 1100 V.through the existing PVC conduits / capping casing. 3 run x 4.0 sas per vetted estimate  1 100.000	with di-electrical grade rking voltage up to and Sqmm - SPN + E - rate 100.000

			Say 1	00.000 met	re @ Rs 199	9.00 / metre	Rs 19	900.00
33	od195915/2018_2019 Circuit Mains- Supply a annealed bunched eler PVC compound per as including 1100 V.througas per vetted estimate.	ctrolytic cop IS 5831/19 gh the exist	oper conduc 84 Generall	tor as per l y Conformin	S 8130/198 g to IS 694/	4 insulated 1990 for wo	with di-elec rking voltag	trical grade
		1	200.000				200.000	
			•		То	tal Quantity	200.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metre	Э
					Net To	tal Quantity	200.000 me	etre
			Say 2	.00.000 met	re @ Rs 154	1.00 / metre	Rs 30	800.00
	annealed bunched ele- PVC compound per as including 1100 V.throug	IS 5831/19	84 Generall	y Conformin	g to IS 694/	1990 for wo	rking voltag	e up to an
				10 01	То	tal Quantity	350.000 m	etre
			Hair	a and	otal Deduct	ed Quantity	0.000 metre	Э
		Ker	ala Wat	er Auth	ority	tal Ouantitu	050 000	
					Net To	tal Quantity	350.000 me	etre
			Say 3	50.000 met		7		etre 300.00
35	od195917/2018_2019 Cable Supports & Tren angles 25x25x6mm (I members and supports supports shall be pain	SA) and 25 and 25 and using 25 ted with two	oly and erectors to the state of the state o	tion of Cable lats with an x6mm MS t	e trays and ond 20cm spilat at every	able suppo eacing betw 1m spacin	rts fabricate een succes g. The cables ts of ename	d out of Ms
35	Cable Supports & Tren angles 25x25x6mm (Imembers and supported	SA) and 25 ed using 25	oly and erectors to the state of the state o	tion of Cable lats with an x6mm MS t	e trays and ond 20cm spelat at every	able suppo eacing betw 1m spacin nd two coa	rts fabricate een succes g. The cables ts of ename 500.000	d out of Missive crose trays and paint.
35	Cable Supports & Tren angles 25x25x6mm (Imembers and supported	SA) and 25 and 25 and using 25 ted with two	oly and erectors to the state of the state o	tion of Cable flats with an x6mm MS f inc Chroma	e trays and ond 20cm spatiat at every te primer a	able suppo eacing betw 1m spacin nd two coa	rts fabricate een succes g. The cables ts of ename 500.000	d out of Missive crose trays and paint.
35	Cable Supports & Tren angles 25x25x6mm (Imembers and supported	SA) and 25 and 25 and using 25 ted with two	oly and erectors to the state of the state o	tion of Cable flats with an x6mm MS f inc Chroma	e trays and ond 20cm sprilat at every te primer a	B.00 / metre cable suppo cacing betw 1m spacin nd two coa tal Quantity	rts fabricate een succes g. The cables of ename 500.000 500.000 kg	d out of Missive crose trays and paint.
35	Cable Supports & Tren angles 25x25x6mm (Imembers and supported	SA) and 25 and 25 and using 25 ted with two	oly and erectors to the state of the state o	tion of Cable flats with an x6mm MS f inc Chroma	e trays and ond 20cm spelat at every ate primer a To	B.00 / metre cable suppo cacing betw 1m spacin nd two coa tal Quantity ed Quantity	rts fabricate reen succes g. The cables of ename 500.000 kg 0.000 kg	d out of Missive crose trays and paint.
35	Cable Supports & Tren angles 25x25x6mm (Imembers and supported	SA) and 29 ed using 25 ted with two 500  nching- Su	oly and erections of 20 coats of 2	sion of Cable lats with an x6mm MS finc Chroma	re @ Rs 118 e trays and ond 20cm special at every stee primer a  To otal Deduct Net To 00 kg @ Rs m MS checkers	able supportation acing between two coartal Quantity and Quantity tal Quantity 142.00 / kg	rts fabricate reen succes g. The cable ts of ename 500.000 500.000 kg 0.000 kg Rs 710	d out of Massive crosse trays and paint.
	Cable Supports & Tren angles 25x25x6mm (I members and supports supports shall be pain od195918/2018_2019 Cable Supports & Tre	SA) and 29 ed using 25 ted with two 500  nching- Su	oly and erections of 20 coats of 2	sion of Cable lats with an x6mm MS finc Chroma	re @ Rs 118 e trays and ond 20cm special at every stee primer a  To otal Deduct Net To 00 kg @ Rs m MS checkers	able supportation acing between two coartal Quantity and Quantity tal Quantity 142.00 / kg	rts fabricate reen succes g. The cable ts of ename 500.000 500.000 kg 0.000 kg Rs 710	d out of Massive crose trays and paint.

				Т	otal Deduct	ed Quantity	0.000 kg	
					Net To	tal Quantity	100.000 kg	
				Say 100.0	00 kg @ Rs	121.00 / kg	Rs 12	100.00
37	od195919/2018_2019 Cable Supports & Trend country burnt bricks bracestoring normal surface (HT Cables)	eadth wis	e above the	e cable, pro	viding sand	l cushioning	g of 150mm	n refilling
		1	100.000				100.000	
					То	tal Quantity	100.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metro	е
			//60	165	Net To	tal Quantity	100.000 me	etre
			Say 1	100.000 met	re @ Rs 640	0.00 / metre	Rs 64	00.00
	country burnt bricks brorestoring normal surface LT Cables )	etc.comp	lete as per s				m Wide x 75	_
		1	100.000	H 340			100.000	
		- Ker	ala Wat					
		7	$D^{-1}$		otal Deduct	1		
							100.000 me	
39	od195921/2018_2019		·		re @ Rs 594			400.00
	Cable Supports & Trenc there on bolted / welded					•		•
		50					50.000	
					То	tal Quantity	50.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	50.000 No	
				Say 50.00	0 No @ Rs	516.00 / No	Rs 25	800.00
40	od195922/2018_2019 Cable Supports & Trenc					•		-
	there on bolted / welded		xomm angle	iron 60cm l	ong and fixir	ng the same		as required
		25			_		25.000	
					То	tal Quantity	25.000 No	

				•	Total Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	25.000 No	
			T	Say 25.00	00 No @ Rs	417.00 / No	Rs 10	425.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
102(a)- S	Supply, erection, testing compound-		_			r and allied dex:41.53 %		Alady plant
1	od196108/2018_2019 Supply and providing partity of charcoal in 40 mm broken stone masonry and the expedimension shall be 45 and covering at the to	the earth place cluding consider (10 cm thick cosed surface 0 x 450 x 450 the consider (10 cm).	ate with 25 x struction of i ck), brick we of PCC be	x 3mm GI clainspection contains to come or contains the contains to the contains to the contains to the contains to the contains the co	amps, GI fur hamber with ent mortar 1 ent mortar 1: est joint, ear	nnel with we a bed conci :6, plasterir 4, 12 mm th th continuity  tal Quantity	Id mesh, filling the surfaction ick, (the finition conductor 8.000 set	ing required PCC using ace of brick shed inside
		10%	Lika		علامات إسا	tal Quantity		
2	od196109/2018 2019			Say 8.000	set @ Rs 11	•		728.00
2	od196109/2018_2019 Supply and providing point with weld mesh, filling with a bed concrete of 1:6, plastering the surful 12 mm thick, (the finist continuity conductor to	required questions of 1:4:8 PCC acce of brick the dinside of the plate, and the dinside of the d	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken stand the exposorable with the 300 with the same and the same	set @ Rs 11 .5 m long 40 It including oftene (10 cm) sed surface of x 300 x 300	omm dia B construction thick), brick of PCC bed	Rs 88 class GI piper of inspection work in ceruith cement coluding test	e, GI funne on chambe ment morta t mortar 1:4
2	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required question of 1:4:8 PCC face of brick wheel inside of	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken stand the exposorable with the 300 with the same and the same	set @ Rs 11 .5 m long 40 It including of tone (10 cm sed surface of x 300 x 300	omm dia B construction thick), brick of PCC bed mm) but ex	Rs 88 class GI piper of inspection work in cerewith cement cluding test	e, GI funne on chambe ment morta t mortar 1:4
2	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required questions of 1:4:8 PCC acce of brick the dinside of the plate, and the dinside of the d	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken st nd the expos shall be 300 g at the top	set @ Rs 11 .5 m long 40 .1t including of tone (10 cm sed surface of x 300 x 300	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set	e, GI funne on chambe ment morta t mortar 1:4
2	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required questions of 1:4:8 PCC acce of brick the dinside of the plate, and the dinside of the d	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken st nd the expos shall be 300 g at the top	set @ Rs 11 .5 m long 40 It including of tone (10 cm sed surface of x 300 x 300	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set	e, GI funne on chambe ment morta t mortar 1:4
2	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required questions of 1:4:8 PCC acce of brick the dinside of the plate, and the dinside of the d	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken st nd the expos shall be 300 g at the top	set @ Rs 11 .5 m long 40 .1t including of tone (10 cm sed surface of x 300 x 300 .	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set 0.000 set	e, GI funne on chambe ment morta t mortar 1:4
2	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required questions of 1:4:8 PCC acce of brick the dinside of the plate, and the dinside of the d	uantity of chusing 40 m masonry ardimension s	3043 with 2 narcoal & sa m broken st nd the expos shall be 300 g at the top	set @ Rs 11 .5 m long 40 .1t including of tone (10 cm sed surface of x 300 x 300 .	ogn.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex etal Quantity ed Quantity	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set 0.000 set 5.000 set	e, GI funne on chambe ment morta t mortar 1:4
3	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis	required questions for the plate, and the plate, an	uantity of chusing 40 mmasonry ardimension sand covering	3043 with 2 harcoal & sam broken stand the expossibility of the same stand the top g at the top Say 5.000	set @ Rs 11  .5 m long 40  It including of tone (10 cm sed surface of x 300 x 300)  Total Deduct  Net Total Destruct  Set @ Rs 2	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex otal Quantity ed Quantity ed Quantity tal Quantity otal Quantity	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set 0.000 set 7.000 set	e, GI funne on chambe ment morta t mortar 1:4 t joint, earth
	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis continuity conductor to od196110/2018_2019 Supply & laying the fo	required questions for the plate, and the plate, an	uantity of chusing 40 mmasonry ardimension sand covering	3043 with 2 harcoal & sam broken stand the expossibility of the same stand the top g at the top Say 5.000	set @ Rs 11  .5 m long 40  It including of tone (10 cm sed surface of x 300 x 300)  Total Deduct  Net Total Destruct  Set @ Rs 2	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex otal Quantity ed Quantity ed Quantity tal Quantity otal Quantity	Rs 88 class GI pipe of inspection work in cerewith cement cluding test 5.000 5.000 set 0.000 set 7.000 set	e, GI funne on chambe ment morta t mortar 1:4 t joint, earth
	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis continuity conductor to od196110/2018_2019 Supply & laying the fo	required questions for the plate, so the pla	uantity of chusing 40 mmasonry ardimension sand covering	3043 with 2 harcoal & sam broken stand the expossibility of the same stand the top g at the top Say 5.000	set @ Rs 11 .5 m long 40 .1t including of tone (10 cm sed surface of x 300 x 300	op1.00 / set omm dia B oconstruction thick), brick of PCC bed mm) but ex otal Quantity ed Quantity ed Quantity tal Quantity otal Quantity	Rs 88 class GI piper of inspection work in cerewith cement cluding test 5.000 5.000 set 0.000 set 8.000 set Rs 14 mination and Copper S 300.000	e, GI funne on chambe ment morta t mortar 1:4 t joint, earth
	Supply and providing with weld mesh, filling with a bed concrete of 1:6, plastering the surf 12 mm thick, (the finis continuity conductor to od196110/2018_2019 Supply & laying the fo	required questions for the plate, so the pla	uantity of chusing 40 mmasonry ardimension sand covering	3043 with 2 harcoal & sam broken stand the expossibility of the same stand the top.  Say 5.000 Strip for earth at terminals of the same say 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the same says 5.000 strip for earth at terminals of the says 5.000 strip f	set @ Rs 11 .5 m long 40 .1t including of tone (10 cm sed surface of x 300 x 300	oppl.00 / set omm dia B opposition thick), brick of PCC bed mm) but ex otal Quantity ed Quantity etal Quantity otal Quantity etal Quantity	class GI piper of inspection work in cerewith cement cluding test 5.000 set 0.000 set 5.000 set Rs 14 mination and Copper S 300.000 mination and 300.000 min	e, GI funne on chambe ment morta t mortar 1:4 t joint, earth

			Say 30	0.000 metre	e @ Rs 15	07.00 / metre	Rs 452	2100.00
4	od196111/2018_2019							
	Supply & laying the follo	•		•	•			
	continous earthing alon	g with cabl	es tinned at	terminals e	etc. comple	ete. 25 x 3 mr	n Copper st	rip
		1	500.000				500.000	
					7	otal Quantity	500.000 m	etre
				Т	otal Dedu	cted Quantity	0.000 metre	е
					Net 7	otal Quantity	500.000 me	etre
			Say 5	00.000 met	re @ Rs 7	97.00 / metre	Rs 398	3500.00
5	od196112/2018_2019 Supply and drawing ba earth connection as rec	-			•	along with w	iring/ cables	and giving
		1	300.000		-		300.000	
		1.6	37 3	K X	1 1	otal Quantity	300.000 m	etre
		(k)	A SUE	73//	otal Dedu	cted Quantity	0.000 metre	е
		155	LE		Net 7	otal Quantity	300.000 me	etre
	- 1		Say 3	00.000 met	re @ Rs 1	99.00 / metre	Rs 59	700.00
6	od196113/2018_2019 Supply and drawing ba earth connection as rec	K 0177		or /\lith	1 C 12 1 T T 7	along with w	iring/ cables	and giving
		1	600.000				600.000	
						otal Quantity	600.000 m	etre
				Т	otal Dedu	cted Quantity	0.000 metre	е
					Net 7	otal Quantity	600.000 me	etre
			Say 6	00.000 met	re @ Rs 1	13.00 / metre	Rs 67	800.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
112(a)- Su	pply, erection, testing compound-(6) S		_			ner and allied est Index:41.		lady plant
1	od196123/2018_2019							
	Supply and providing 6			_	de cheque	ered type rubb	per mat to w	ithstand 3.3
	KV dielectric strength co			969.				
		1	5.000				5.000	
					7	otal Quantity	5.000 sqm	
				Т	otal Dedu	cted Quantity	0.000 sqm	
					Net 7	otal Quantity	5.000 sqm	
				Say 5.000 s	qm @ Rs	773.00 / sqm	Rs 38	865.00

	Supply and providing KV dielectric streng	ng 12 mm thick		_	•	• •		vithstan
		1	2.000				2.000	
					To	tal Quantity	2.000 sqm	l
				To	tal Deduct	ed Quantity	0.000 sqm	
					Net To	otal Quantity	2.000 sqm	
			Say	2.000 sqn	n @ Rs 13	79.00 / sqm	Rs 2	758.00
3	od196125/2018_20 Supply and providi fixing it to wall as r	ng 5 Kg. Dry C	Chemical Powde	r type Fire	Extinguis	her with hos	e and clam	ps inclu
		2	1/6/18				2.000	
			K. 1 11	1.3	To	tal Quantity	2.000 set	
				To	tal Deduct	ed Quantity	0.000 set	
		( k.,		WA	Net To	tal Quantity	2.000 set	
			S	ay 2.000 s	et @ Rs 2	383.00 / set	Rs 4	766.00
4	od196126/2018_20 Supply and provid oxide and written v sand, painting the	ing 9 Litre cap with white pain	t 'FIRE' mounte	d on MS a	angle fram	e work/ wall	bracket fill	ed with
4	Supply and provid oxide and written v	ing 9 Litre cap with white pain	t 'FIRE' mounte	d on MS a	angle fram	e work/ wall	bracket fill	ed with
4	Supply and provid oxide and written value sand, painting the	ing 9 Litre cap with white pain bracket/ floor	t 'FIRE' mounte	d on MS a	angle fram good the	e work/ wall	bracket fill colour wash 4.000	ed with
4	Supply and provid oxide and written value sand, painting the	ing 9 Litre cap with white pain bracket/ floor	t 'FIRE' mounte	d on MS a	angle fram good the	e work/ wall damages, o	4.000 set	ed with
4	Supply and provid oxide and written value sand, painting the	ing 9 Litre cap with white pain bracket/ floor	t 'FIRE' mounte	d on MS a	angle fram good the To	e work/ wall damages, o	4.000 4.000 set 0.000 set	ed with
4	Supply and provid oxide and written value sand, painting the	ing 9 Litre cap with white pain bracket/ floor	t 'FIRE' mounte	d on MS a g making To	angle fram good the To tal Deduct	e work/ wall damages, o otal Quantity ted Quantity	4.000 4.000 set 0.000 set	ed with
5	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4	t 'FIRE' mounte	d on MS a g making To Say 4.000	To tal Deductorset @ Rs	e work/ wall damages, o otal Quantity ted Quantity otal Quantity 638.00 / set	4.000 4.000 set 0.000 set 4.000 set Rs 2	ed with hing etc
	Supply and provid oxide and written very sand, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4	t 'FIRE' mounte	d on MS a g making To Say 4.000	To tal Deductorset @ Rs	e work/ wall damages, o otal Quantity ted Quantity otal Quantity 638.00 / set	4.000 4.000 set 0.000 set 4.000 set Rs 2	ed with hing etc
	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4	t 'FIRE' mounte	d on MS a g making To Say 4.000	To tal Deductorset @ Rs	e work/ wall damages, o otal Quantity ted Quantity otal Quantity 638.00 / set	4.000 4.000 set 0.000 set 4.000 set Rs 2	ed with hing etc
	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4 219 ng First Aid Ch	t 'FIRE' mounte	d on MS a g making To Say 4.000	To tal Deductorset @ Rs	e work/ wall damages, o otal Quantity ted Quantity otal Quantity 638.00 / set	4.000 4.000 set 0.000 set 4.000 set Rs 29	ed with hing etc
	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4 219 ng First Aid Ch	t 'FIRE' mounte	To Say 4.000	To tal Deductors Ret @ Rs	e work/ wall damages, of otal Quantity ted Quantity otal Quantity 638.00 / set	4.000 4.000 set 0.000 set 4.000 set 1.000 1.000 set	ed with hing etc
	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4 019 ng First Aid Ch	t 'FIRE' mounte	To Say 4.000	To tal Deductors a constal Deductors To tal Deductors To	e work/ wall damages, of the d	4.000 4.000 set 0.000 set 4.000 set 1.000 1.000 set	ed with hing etc
	Supply and provid oxide and written was and, painting the required.	ing 9 Litre cap with white pain bracket/ floor 4 019 ng First Aid Ch	art duly framed a	To Say 4.000	Total Deduct Set @ Rs  I in a cons  Total Deduct Net Total Deduct Net Total Deduct	e work/ wall damages, of the d	4.000 4.000 set 0.000 set 4.000 set 1.000 1.000 set 1.000 set	ed with hing etc

		1					1.000	
					То	tal Quantity	1.000 set	
				-	Total Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
				Say 1.00	0 set @ Rs	226.00 / set	Rs 2	26.00
7	od196129/2018_2019 Supply & providing All both in English and Maby the Engineer in Chapter 1998	alayalam) a		_				
		10					10.000	
			0	_@_	То	tal Quantity	10.000 No	S
			M	309/	Γotal Deduct	ed Quantity	0.000 Nos	
		-	E.L. 1		Net To	tal Quantity	10.000 Nos	3
				Say 10.000	Nos @ Rs 2	67.00 / Nos	Rs 26	70.00
8	od202018/2018_2019 SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses	rop calcula all MV add ining sanctio	tions, Eart itions recer on orders fo	thing designated the control of the electric control of the electric control of the control of the electric control of the ele	<ul><li>&amp; fault lend</li><li>d obtaining</li><li>al installatio</li></ul>	vel calculat approval, a	tions to the trranging in	e Electric spection f
8	SCHEME APPROVA drawings, Voltage di Inspectorate including	rop calcula all MV add ining sanctio	tions, Eart itions recer on orders fo	hing desigr	& fault lead obtaining cal installation	vel calculat approval, a	tions to the rranging in: (Including a	e Electric spection f
8	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta	rop calcula all MV add ining sanctions).	tions, Eart itions recer on orders fo	thing designately made are the electric	& fault lead obtaining cal installation	vel calculat approval, a n, complete tal Quantity	tions to the trranging in: (Including a 1.000 1.000 L.S	e Electric spection f
8	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta	rop calcula all MV add ining sanctions).	tions, Eart itions recer on orders fo	thing designately made are the electric	n & fault level of obtaining the cal installation of the call beduct	vel calculat approval, a n, complete tal Quantity	1.000 L.S	e Electric spection f
8	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta	rop calcula all MV add ining sanctions).	tions, Eart itions recer on orders fo	thing designately made are the electric	Total Deduct	vel calculat approval, a n, complete tal Quantity ed Quantity tal Quantity	1.000 L.S 1.000 L.S	e Electric spection t
9	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta	all MV add ining sanctics).  1  L & POWE obtaining n, submission	itions, Eart itions recer on orders for alla Was	shing designately made are the electric ter Author Say 1.000 L  ATION - Proprior power allo	Total Deduct Net To S @ Rs 200 eparation a ocation (Inc	vel calculate approval, and quantity tal Qua	1.000 L.S 1.000 L.S Rs 20 sion of lates	e Electric spection f all incident  000.00  est schen d statuto
	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses  od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation	all MV add ining sanctions).  L & POWEr obtaining in, submission the latest additional all more representations.	itions, Eart itions recer on orders for alla Was	shing designately made are the electric ter Author Say 1.000 L  ATION - Proprior power allo	Total Deduct Net To S @ Rs 200 eparation a ocation (Inc	vel calculate approval, and quantity tal Qua	1.000 L.S 1.000 L.S Rs 20 sion of late acidental are the renew	e Electric spection f all inciden  000.00  est schen ad statuto
	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses  od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation	all MV add ining sanctics).  1  L & POWE obtaining n, submission	itions, Eart itions recer on orders for alla Was	shing designately made are the electric ter Author Say 1.000 L  ATION - Proprior power allo	Total Deduct Net To S @ Rs 200 eparation a ocation (Incagreement(6)	vel calculate approval, and quantity tal Quantity tal Quantity tal Quantity tal Quantity on the control of the	1.000 L.S 1.000 L.S Rs 20 sion of late acidental are the renew	e Electric spection f all inciden  000.00  est schen ad statuto
	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses  od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation	all MV add ining sanctions).  L & POWEr obtaining in, submission the latest additional all more representations.	itions, Eart itions recer on orders for alla Was	Say 1.000 L  ATION - Proproser allocation of HT a	To A fault lead obtaining the cal installation of the call beduct of t	vel calculate approval, and quantity tal Quantity tal Quantity tal Quantity on the control of th	1.000 L.S 1.000 L.S Rs 20 sion of late acidental are the renew	e Electric spection f all inciden  000.00  est scher
	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses  od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation	all MV add ining sanctions).  L & POWEr obtaining in, submission the latest additional all more representations.	itions, Eart itions recer on orders for alla Was	Say 1.000 L  ATION - Proproser allocation of HT a	Total Deduct  Paragreement (6)  Total Deduct  Reparation a pocation (Incagreement (6)  Total Deduct	vel calculate approval, and notes that Quantity and Quantity tal Quantity 2000.00 / L.S. and submissed Quantity as sets) as pertal Quantity and Quan	1.000 L.S 1.000 L.S Rs 20 sion of late acidental are the renew	e Electric spection f all incident  000.00  est schen d statuto
	SCHEME APPROVA drawings, Voltage di Inspectorate including entire installation, obta and statutory expenses  od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation	all MV add ining sanctions).  L & POWEr obtaining in, submission the latest additional all more representations.	ER ALLOCA sanctions for on and executions.	Say 1.000 L  ATION - Proproser allocation of HT a	Total Deduct  Paragreement (6)  Total Deduct  Net Total Control (Incagreement (6)  Total Deduct  Net Total Deduct  Net Total Deduct  Net Total Deduct	vel calculate approval, and notes that Quantity and Quantity and Submissed Quantity and Submissed Quantity and Submissed Quantity and Q	1.000 L.S 1.000 L.S Rs 20 sion of late acidental are the renew 1.000 L.S 0.000 L.S 1.000 L.S 1.000 L.S	e Electric spection f all inciden  000.00  est schen ad statuto

	pply, erection, testing ater pump house comp		_				l works at T ost Index:41	-
1	od194695/2018_2019 Erection of RCC/ PCC 150 mm thick cement c	•				•		-
		2					2.000	
				I	То	tal Quantity	2.000 Nos	
				Т	otal Deduct	ed Quantity	0.000 Nos	
						tal Quantity		
			5	Say 2.000 N	os @ Rs 49	57.00 / Nos	Rs 99	14.00
2	od194696/2018_2019 Supplying and erectio structure having four mof minimum size 1400 bolts and nuts including with primer and finish p	nembers fab mm width X g drilling hol	ricated out 2500 mm h es for insula	of 50 mm X neight, comp	50 mm X 6 olete with 50	mm angle i ) mm X 6mr	ron to form m M.S. flat i	a rectangle ron clamps,
		1			7 70	L	1.000	
		74/4=		2007 S	То	tal Quantity	1.000 set	
			N. C. Com	IN DEST	otal Deduct	ed Quantity	0.000 set	
		Ker	ala Wat	er Auth	Net To	tal Quantity	1.000 set	
					set @ Rs 6			552.00
3	od194697/2018_2019 Erection of double pole	3 wire cross	s arm for 11	KV/22 KV/3	33 KV over h	ead lines as	s required.	
		3					3.000	
						tal Quantity		
				Т	otal Deduct	<u>-</u>		
						tal Quantity		
				Say 3.000 I	Nos @ Rs 9	67.00 / Nos	Rs 29	01.00
4	od194698/2018_2019 Supplying and erection as required.	of 11 kV pi	n insulator	complete wi	th large stee	el head G.I.	pin, nuts, w	ashers etc.
		1					1.000	
					То	tal Quantity	1.000 set	
				Т	otal Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
				Say 1.000	0 set @ Rs :	349.00 / set	Rs 34	49.00

5	od194699/2018_2019 Supplying and erection overhead lines with rate with galvanised clampin	ed voltage 9	9 kV (rms) w	ith a nomina	al discharge	current ratin		•
		1					1.000	
			1		To	tal Quantity	1.000 set	
				7	Fotal Deduc	ted Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
				Say 1.000	set @ Rs 3	601.00 / set	Rs 36	601.00
6	od201137/2018_2019 OUTDOOR HT BREA Outdoor HT Breaker P 630A, LBS unit - 1 set Push buttons - 1 set 2N 1 Set Seal off Bushings LED with switch & wirir 15VA, CL 0.2S - 3 Nos meter with accuracy cl. Circuit: The active & ar reference voltage, refe Current Circuit: The ar reference temperature ontrol wiring, compone as specified till the cor incoming and outgoing	vanel with a Voltmeter IO+2NC Au - 3 Nos Spang - 1 set Market Provisions ass 0.2S in a parent power temperature temperature poshall not exents working the power of the parent power temperature power temperature temperature power	the followin ( 0 - 11kV) ux contacts bace Heater Metering Chaces for mountincluding wir wer consumperature & wer taken I kceed 1.0 V ug on LT sur	g componer - 3 Nos LEI - 1 Set 230V Element with amber PT - ng 3 phase, ing and test aption of vol- frequency s by current of A/phase. (Toply should be	nts. 11kV L D Pilot Indic AC Shunt of AC S	oad Break Station - LBS Trip Coil - 1 at & wiring - cV/110V, CL CT/PT opera ock, site gla including poteed 1.0 Wa sic current, rate shall be completely tside, Cable	Swich 11kV ON / OFF No Aluminiu 1 Nos Inspet 0.2S - 1 Noted, bi-direct ass etc 1 ower supply att & 4.0 VA reference firect inclusive or with necess we end box for	, 350 MVA, - 1 Set Trip Im Busbar - ection Lamp o CT - */5A, ctional TOD set Voltage of meter at a per phase requency & f necessary ary controls or receiving
		1					1.000	
						otal Quantity		
				7		ted Quantity		
						otal Quantity		
7	od201138/2018_2019 HT Bidirectional TOD Maccuracy class 0.2S for register, DLMS complisuitable for measurement MD, kW MD at nominal load conditions in the e	or both Action to the contract of action frequency	ply & Provid tive and Re R compatib ve kWh, rea vin the rang	eactive ener le with opti active energy e of 47.5 Hz	e, 4wire, HT gy, -/5A, H cal port and y kVARh ar t to 52.5 Hz	CT/PT oper T static tri v d RS232 po nd apparent in balanced	ated, bi-dire vector mete ort having Is energy kVA as well as	r with TOD SI Marking, Ah and kVA unbalanced
				1	To	tal Quantity		I
				7		ted Quantity		

					Net To	tal Quantity	1.000 set	
				Say 1.000 s	et @ Rs 43	954.00 / set	Rs 43	954.00
8	od201139/2018_2019 HT Equipment Pinth, chainlink fencing over 4 posts of ISMC 75 at 2 periphery of the fencin shall be inclusive of a assembly works includ	4mm thick b 400mm inte g. The MS Ill materials ling all nuts	parbed wire verval, Earthing framework for leading to the second to the	with a framewing as per KS or chainlink ad, lift etc in	work of 50x5 SEI/KSEB someoning sha fencing esco	50x6mm MS tandards sh Ill be Hot Di calation wor	angle betwall be done p Galvanise ks and fabr	een vertica around the d. The rate ication and
	as directed by the Eng	1	20.000				20.000	
		<u> </u>	20.000	10.50	To	tal Quantity		tro
			/G(	- /G			0.000 metre	
			1.0				20.000 met	
			Say 2	20.000 metre	0			960.00
	complete	1 Ker	5.000	er Auth	Ority To	tal Quantity	5.000 5.000 cum	
					_	ed Quantity		
			K			tal Quantity		
			5	Say 5.000 cu				085.00
10	od201141/2018_2019 HT Equipment Pinth, masonry with hard sto cement : 6 coarse sand mortar 1:6 (1 cement :	ne in found d : 12 grade	lation and ped stone agg	linth includin	g levelling	up with cem	nent concret	e 1:6:12 (
					То	tal Quantity	2.000 cum	
				Т	otal Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	2.000 cum	
			5	Say 2.000 cu	m @ Rs 61	43.00 / cum	Rs 12	286.00
11	od201142/2018_2019 500 KVA Transformer 3Ph, 50Hz, 11/3.3 kV, +5% to -10% in steps	ONAN cool	ed, copper	wound outdo	oor distribut	ion transfor	mer with tap	pings fron

	complete with all standa materials, lead, lift, first	fill of oil, ne	ecessary civi	l works for n	nounting to	the existing		
	complete as per single	line schem	natic diagram	& particular	r specificati	ons.		
		1					1.000	
					To	tal Quantity	1.000 set	
				Т	otal Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
			S	ay 1.000 se	t @ Rs 918	604.00 / set	Rs 918	3604.00
12	od210621/2020_2021 Supply/erection/testing ,distribution transformer 3.3 KV pannel to transf for transformer includin NOS 63 A outgoing W including approvel from	r Indoor (of ormer and greation in the content of t	r out door),w LT cable to ,,testing and isolation,er	ith HT/LT ca LT panel,ca commission athing, with	able entry ,vable termina ning of LT p n meters a	vith suitable tion,foundat vannel with 1 nd indicatin	HT and LT tion/structur 100A incom ng lamps et	cables fe/encloser MCC
		1		DAT!	10		1.000	
		1 al	1500	Bay.	To	tal Quantity	1.000 No	
		100	900	T	otal Deduct	ed Quantity	0.000 No	
			No. Birth	a and		tal Quantity		
		Ker	ala Wat	er Auth Say 1.000 No	ority	000.00 / No		00.000
13	od201143/2018_2019 Neutral Grounding Resi	istor - Supp	oly & Providir	ng 50A,3.3k\	V 40ohm 30	sec NGR - S	Supply	
		1					1.000	
			-		To	tal Quantity	1.000 No	1
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
				Sav 1.000 No		766.00 / No		5766.00
14	od201144/2018_2019 Neutral Grounding Resi	istor - Supp		•				
		1					1.000	
			1	I	To	tal Quantity		
				т		ed Quantity		
				<u>'</u>				
					Net To	ital Quantity	1.1 ()()() IXIQ	
				Sav 1 00		otal Quantity 656.00 / No		56.00

	NEUTRAL CT - Sup		•					a suitable		
		1					1.000			
					To	tal Quantity	1.000 No			
					Total Deduct	ed Quantity	0.000 No			
					Net To	tal Quantity	1.000 No			
	Say 1.000 No @ Rs 4327.00 / No Rs 4327.00									
16	od201146/2018_2019 NEUTRAL CT - Sup enclosure including	ply & Provid	•					a suitable		
		1	6	60			1.000			
			M	BOA!	То	tal Quantity	1.000 No			
	Total Deducted Quantity 0.000 No									
		6,0	X.	25. 2	Net To	tal Quantity	1.000 No			
		12	4	Say 1.0	000 No @ Rs	625.00 / No	Rs 6	25.00		
SI No	Description	No		В	D	CF	Quantity	Remark		

Kerala Water Authority

132(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady

raw water pump house compound-(2)- LT / MV PANELS & ACCESSORIES

PRICE

(Cost Index:41.53 %)

## 1 od201161/2018\_2019

PCC PANEL -Design ,approvel, Supply, fabrication, erection, testing and commissioning of 3.3kv cubicle type fully compartmentalized, dust tight, vermin proof, water proof 3.3 kv, VCB panel set 200Amp or suitable rating - Main 3.3.KV 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, top cable entry with water proof shrouding, free standing panel consisting of the following as per standards ( All switches shall confirm to conforming to IEC 60947-2 standards). Incommer - 200A FP Microprocessor based VCB - suitable MVA based on fault level-- 1 Nos. Restricted Earth Fault Relay best conductivity Aluminium busbar with SMC supports, heat shrinkable sleeves etc. as per ISS - 1set RYB indicators ( LED Pilot type ) with 2A Control MCB and toggle switches - 4 Set Multifunction Digital Panel meter to read V, A, F, PF, kW, kVA, kVAR, kWAR, kWAh, kVARh Class 1.0 - 1 Set 200/5A CL 1.0, 15VA Metering CTs -one VCB incomer 200 A or suitable size- 3 Sets Outgoings: 200A, VCB - 1 Nos. 100/50A VCB out going- .with isolation facility - Surge Protection Pluggable type surge arrester with potential free contact, thermal disconnector & provision for inbuilt common remote indication for defective arresters to connect between Line and Neutral and one number Spark Gap type arrester to connect between Neutral and Earth of following ratings including base element & pluggable arresters. Nominal voltage 3.3KV, 50Hz, Nominal Discharge current 30 kA (8/20 sec) for Line to Neutral & 50 kA (8/20 sec) for Neutral to Earth, Maximum Discharge Current Imax 50 kA (8/20 sec) -1Set Supports The panel shall be supported to ground using framework fabricated out of MS Flats / Angles etc. painted with two coats of Zinc Chromate primer and two coats of enamel paint. The framework shall be firmly supported to ground using suitable cement concrete plinth. The Panel Board shall be provided with 25 x 3mm copper earth bus for the full length. Painting letters / identifications for the incoming and outgoing switches, cable, fuse sizes, etc., in white enamel paint. The board shall be fabricated in such a way that future extension be possible. Supply & Labour , suitable battery and charger for the pannel, complete as per CEA and kerala State Electrical Inspectrate relevant statutes, approvel from inspectrate, 2.5 sq mm copper cable shall be used for all control ciruits-

		1					1.000	
					То	tal Quantity	1.000 set	
				Т	otal Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	1.000 set	
			Sa	y 1.000 set	@ Rs 1806	133.00 / set	Rs 1800	6133.00
SI No	Description	No	L	В	D	CF	Quantity	Remark

142(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady raw water pump house compound- (3)- DISTRIBUTION BOARDS, SWITCHGEAR & ACCESSORIES (Cost Index:41.53 %)

## 1 od194998/2018\_2019

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 ) - 12 Way

		1					1.000	
					То	tal Quantity	1.000 No	
				-	Total Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
				Say 1.000	No @ Rs 11	136.00 / No	Rs 11	136.00
2	od201177/2018_2019 Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includ	ding giving	proper tern	nination usi			•
		1					1.000	
			0	_6\_	То	tal Quantity	1.000 No	
			J/N	309/	Total Deduct	ed Quantity	0.000 No	
			6.89		Net To	tal Quantity	1.000 No	
				Say 1.000	No @ Rs 6	640.00 / No	Rs 66	40.00
3	od195000/2018_2019 Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includ	ding giving	proper tern	nination usi			-
3	Supply and providing MCS / Junction Box	the following es etc. include etc. complete	ding giving	proper tern	nination usi		Bananna c	-
3	Supply and providing MCS / Junction Box	the following es etc. includences complete	ding giving 6. 63A, 4P	proper tern	nination using		Bananna c	-
3	Supply and providing MCS / Junction Box	the following es etc. includences complete	ding giving 6. 63A, 4P	proper term MCB Isolate ter Auth	nination using	ng suitable	1.000 1.000 No	-
3	Supply and providing MCS / Junction Box	the following es etc. includences complete	ding giving 6. 63A, 4P	proper term MCB Isolate ter Auth	nination using the control of the co	ng suitable	1.000 1.000 No 0.000 No	-
3	Supply and providing MCS / Junction Box	the following es etc. includences complete	ding giving 6. 63A, 4P	proper term MCB Isolate ter Auth	nination using the control of the co	tal Quantity ed Quantity tal Quantity	1.000 1.000 No 0.000 No 1.000 No	-
4	Supply and providing MCS / Junction Box	the following es etc. includents. complete  1 Kera  9 g the following es etc. includents.	ala Wa	Say 1.000  CCB / MCB proper term	Total Deduct Net To O No @ Rs 1  / MCB Isola nination usin	tal Quantity ed Quantity tal Quantity 050.00 / No	1.000 1.000 No 0.000 No 1.000 No Rs 10	opper Iu
	Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includents. complete  1 Kera  9 g the following es etc. includents.	ala Wa	Say 1.000  CCB / MCB proper term	Total Deduct Net To O No @ Rs 1  / MCB Isola nination usin	tal Quantity ed Quantity tal Quantity 050.00 / No	1.000 1.000 No 0.000 No 1.000 No Rs 10	opper Iu
	Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includents. complete  1 Kera  1 the following es etc. includents. complete	ala Wa	Say 1.000  CCB / MCB proper term	Net To  / MCB Isola nination usin	tal Quantity ed Quantity tal Quantity 050.00 / No	1.000 1.000 No 0.000 No 1.000 No Rs 10 c. to the ex Bananna c	050.00 isting Di
	Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includents. complete  1 Kera  1 the following es etc. includents. complete	ala Wa	Say 1.000 CCB / MCB proper term 2A , 10kA S	Net To  / MCB Isola nination usin	tal Quantity ed Quantity tal Quantity 050.00 / No tors/COS et ng suitable tal Quantity	1.000 1.000 No 0.000 No 1.000 No Rs 10 c. to the ex Bananna c 36.000 36.000 No	050.00 isting Di
	Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includents. complete  1 Kera  2  3  4  5  6  6  6  7  7  8  8  9  9  9  9  9  9  9  9  9  9  9	ala Wa	Say 1.000 CCB / MCB proper term 2A , 10kA S	nination using property To Total Deduct Net To No @ Rs 1  / MCB Isola nination using P MCB  Total Deduct	tal Quantity ed Quantity tal Quantity 050.00 / No tors/COS et ng suitable tal Quantity	1.000 1.000 No 0.000 No 1.000 No Rs 10 c. to the ex Bananna c 36.000 36.000 No 0.000 No	950.00 isting DI
	Supply and providing MCS / Junction Box sleeves, insulation e	the following es etc. includents. complete  1 Kera  2  3  4  5  6  6  6  7  7  8  8  9  9  9  9  9  9  9  9  9  9  9	ala Wa	Say 1.000 CCB / MCB proper term 2A , 10kA S	nination using property To Total Deduct Net To No @ Rs 1  / MCB Isola nination using P MCB  Total Deduct	tal Quantity ed Quantity tal Quantity 050.00 / No tors/COS et ng suitable tal Quantity ed Quantity tal Quantity	1.000 1.000 No 1.000 No 1.000 No Rs 10 c. to the ex Bananna c 36.000 36.000 No 0.000 No	950.00 isting Di

152(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady raw water pump house compound- (4)- CABLES, WIRES & ACCESSORIES (Cost Index:41.53 %)

1	od201350/2018_2019 HT Power Cables - Su screened with extruded semi conducting comp sheath of PVC tape, gasizes in the existing called	d semi cond oound in co Ivanized st	ducting com embination eel flat strip	npound XLPI with copper armoured, a	E insulated, tape (0.3 k nd overall P	insulation s A for 1 sec VC sheathe	screened wi .), cores lai ed cable of tl	th extruded d up, inne he following
		1	60.000				60.000	
					То	tal Quantity	60.000 me	tre
				Т	otal Deduct	ed Quantity	0.000 metre	е
				10000	Net To	tal Quantity	60.000 met	re
			Say	60.000 metre	e @ Rs 2318	3.00 / metre	Rs 139	00.080
	screened with extruded semi conducting comp sheath of PVC tape, ga sizes in the existing ca Sqm	ound in co Ivanized st	ombination eel flat strip	with copper armoured, a	tape (0.3 k nd overall F	A for 1 sec	.), cores lai	d up, inne he following
		1	65.000	in ol			65.000	
		Ker	ala Wai	<del>ler Auth</del>	To	tal Quantity	65.000 me	tre
			ara wa	I	otal Deduct	ed Quantity	0.000 metre	е
		$\mathcal{L}$	K_	(_	Net To	tal Quantity	65.000 met	re
			Say	65.000 metre	e @ Rs 1072	2.00 / metre	Rs 69	680.00
3	od201352/2018_2019 HT Power Cables - Su screened with extruded semi conducting comp sheath of PVC tape, ga sizes in the existing ca	d semi cond oound in co Ivanized st	ducting com embination eel flat strip	npound XLPI with copper armoured, a	E insulated, tape (0.3 k nd overall P	insulation s A for 1 sec VC sheathe	screened wi .), cores lai ed cable of tl	th extruded d up, inne he following
		1	20.000				20.000	
					To	tal Quantity	20.000 me	tre
				Т	otal Deduct	ed Quantity	0.000 metre	е
					Net To	tal Quantity	20.000 met	re
			Say	20.000 met	re @ Rs 628	3.00 / metre	Rs 12	560.00
4	od201353/2018_2019 HT Cable Terminations kit, including lugs and c		_	_				-

		4					4.000	
					To	tal Quantity	4.000 set	
				Т	otal Deduct	ted Quantity	0.000 set	
					Net To	tal Quantity	4.000 set	
				Say 4.000 s	et @ Rs 10	002.00 / set	Rs 40	00.800
5	od201354/2018_2019 HT Cable Terminations kit, including lugs and o KV grade as required.	ther jointing	g materials,	_				-
		8	0	.63			8.000	
			1/18	1991	Тс	tal Quantity	8.000 set	
		-	E. L.	W Et	otal Deduct	ed Quantity	0.000 set	
		610	X P	25. X	Net To	tal Quantity	8.000 set	
				Say 8.000	set @ Rs 7	664.00 / set	Rs 61	312.00
		Ker		ter Auth	Officy		1.000	
			R		To	otal Quantity ted Quantity	1.000 set 0.000 set	
			R		To otal Deduct Net To	ted Quantity	1.000 set 0.000 set 1.000 set	
			R		To otal Deduct Net To	ed Quantity	1.000 set 0.000 set 1.000 set	664.00
7	od201356/2018_2019 HT Cable Terminations kit, including lugs and country to the country of the c	s - Supplyin	g materials,	Say 1.000	To fotal Deduct Net To set @ Rs 7	ted Quantity otal Quantity 664.00 / set	1.000 set 0.000 set 1.000 set Rs 76	able join
7	HT Cable Terminations kit, including lugs and c	s - Supplyin	g materials,	Say 1.000	To fotal Deduct Net To set @ Rs 7	ted Quantity otal Quantity 664.00 / set	1.000 set 0.000 set 1.000 set Rs 76	able join
7	HT Cable Terminations kit, including lugs and c	s - Supplyin other jointing ad. 3C x 150	g materials,	Say 1.000	To fotal Deduct Net To set @ Rs 7 cable end journing sizes, 2	ted Quantity otal Quantity 664.00 / set	1.000 set 0.000 set 1.000 set Rs 76 heat shrinkanium conduct	able join
7	HT Cable Terminations kit, including lugs and c	s - Supplyin other jointing ad. 3C x 150	g materials,	Say 1.000 ing Outdoor of for for follow	Total Deduct Net Total set @ Rs 7 cable end journing sizes, >	ted Quantity otal Quantity 664.00 / set cinting with	1.000 set 0.000 set 1.000 set Rs 70 heat shrinkanium conduct 2.000 2.000 set	able join
7	HT Cable Terminations kit, including lugs and c	s - Supplyin other jointing ad. 3C x 150	g materials,	Say 1.000 ing Outdoor of for for follow	Total Deduct  Net Total Set @ Rs 7  cable end journing sizes, >  Total Deduct	ted Quantity otal Quantity 664.00 / set cinting with KLPE alumin	1.000 set 0.000 set 1.000 set Rs 70 heat shrinkanium conduct 2.000 2.000 set 0.000 set	able join
7	HT Cable Terminations kit, including lugs and c	s - Supplyin other jointing ad. 3C x 150	g materials,	Say 1.000  Ing Outdoor of for for follow	Total Deduct Net Total Set @ Rs 7  cable end journing sizes, >  Total Deduct Net Total Deduct	ed Quantity otal Quantity 664.00 / set cinting with KLPE alumin	1.000 set 0.000 set 1.000 set Rs 76 heat shrinkanium conduct 2.000 2.000 set 0.000 set 2.000 set	able join

		1					1.000	
		<u> </u>			Tc	tal Quantity		
				T		ed Quantity		
					Net To	tal Quantity	1.000 set	
				Say 1.000 s				660.00
9	od201358/2018_2019 LT Power Cables - Su armoured Power / Con 2.5 Sqmm		•					
		1	50.000	60			50.000	
		I	JAN	199	To	tal Quantity	50.000 me	etre
			£.2 1	M & H	otal Deduct	ted Quantity	0.000 metr	e
		611	W P	25 N	Net To	tal Quantity	50.000 me	tre
		12	Say	y 50.000 met	re @ Rs 30	8.00 / metre	Rs 15	400.00
	Sqmm (82mm)	Ker	Ba	mpression g		per lugs etc	6.000	3.5C x 4
	=		Ba	ter Auth	Ority To	otal Quantity ed Quantity	6.000 6.000 No 0.000 No	3.5C x 4
	=		Ba	ter Auth	Ority To Total Deduct Net To	otal Quantity ted Quantity otal Quantity	6.000 No 6.000 No 0.000 No 6.000 No	
11	=	Ker 6	ala Wa	Say 6.000	ority To otal Deduct Net To No @ Rs 2	otal Quantity ted Quantity otal Quantity 152.00 / No	6.000 No 0.000 No 6.000 No Rs 12	912.00 ables of
11	od201360/2018_2019 LT Power Cables - Pr following sizes using S	Ker 6	ala Wa	Say 6.000	ority To otal Deduct Net To No @ Rs 2	otal Quantity ted Quantity otal Quantity 152.00 / No	6.000 No 0.000 No 6.000 No Rs 12	912.00 ables of
11	od201360/2018_2019 LT Power Cables - Pr following sizes using S	coviding ca	ala Wa	Say 6.000	ority Total Deduct Net Total No @ Rs 2 Tthing & end land & Cop	otal Quantity ted Quantity otal Quantity 152.00 / No	6.000 6.000 No 0.000 No 6.000 No Rs 12 on of UG ca . complete.	912.00 ables of
11	od201360/2018_2019 LT Power Cables - Pr following sizes using S	coviding ca	ala Wa	Say 6.000  g, gland ear	ority  Total Deduct  Net Total  No @ Rs 2  Tthing & end land & Cop	otal Quantity ted Quantity otal Quantity 152.00 / No d termination per lugs etc	6.000 6.000 No 0.000 No 6.000 No Rs 12 on of UG ca . complete. 8.000 8.000 No	912.00 ables of
11	od201360/2018_2019 LT Power Cables - Pr following sizes using S	coviding ca	ala Wa	Say 6.000  g, gland ear	Total Deduct Net Total No @ Rs 2 Tthing & encland & Cop	otal Quantity ted Quantity otal Quantity 152.00 / No d terminatic per lugs etc	6.000 6.000 No 0.000 No 6.000 No Rs 12 on of UG ca . complete. 8.000 8.000 No 0.000 No	912.00 ables of
11	od201360/2018_2019 LT Power Cables - Pr following sizes using S	coviding ca	ala Wa	Say 6.000  ag, gland ear  mpression g	Total Deduct Net To No @ Rs 2 Tthing & encland & Cop  Total Deduct Net To	otal Quantity ted Quantity otal Quantity 152.00 / No d terminatic per lugs etc	6.000 6.000 No 0.000 No 6.000 No Rs 12 on of UG ca complete. 8.000 8.000 No 0.000 No	912.00 ables of

	Sqmm (32mm)				T	T		
		2					2.000	
					To	tal Quantity	2.000 No	
				7	Total Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	2.000 No	
				Say 2.00	0 No @ Rs	437.00 / No	Rs	874.00
13	od201362/2018_2 LT Power Cables following sizes us Sqmm	- Providing	_		_			
		2	0	- 60			2.000	
			_/A	1991	To	tal Quantity	2.000 No	
			F. 2 1		Total Deduct	ed Quantity	0.000 No	
		61	AK B	25. X	Net To	tal Quantity	2.000 No	
				Say 2.00	0 No @ Rs	217.00 / No	Rs 4	434.00
14	od201363/2018_2 LT Power Cables sheathed Copper of as per IS 8130/19 generally conformi	s - Supply & conductor roull 84 Insulated ing to IS 694/	ind flexible wii and sheathed 1990 for work	following size re manufacture with electric ing voltage u	ze of FR M red with brig cal grade P\	ulti-core P\ ht annealed /C compour	l bare copp nd as per I	er conduc S 5831/19
14	LT Power Cables sheathed Copper as per IS 8130/19	s - Supply & conductor roull 84 Insulated ing to IS 694/	ind flexible wii and sheathed 1990 for work	following size re manufacture with electric ing voltage u	ze of FR M red with brig cal grade P\ p to and incl	ulti-core P\ ht annealed /C compour uding 1100	bare coppered as per IS V through 6	er conducts 5831/19 existing P
14	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformi	s - Supply & conductor rou 84 Insulated ing to IS 694/apping wall. 30	and flexible wind sheathed 1990 for work C x 0.5 Sqmm	following size manufactured with electric ing voltage up	ze of FR M red with brig cal grade P\ p to and incl	ulti-core P\ th annealed C compour uding 1100 tal Quantity	bare coppered as per IS V through a 25.000 m	er conducts 5831/19 existing P
14	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformi	s - Supply & conductor rou 84 Insulated ing to IS 694/apping wall. 30	and flexible wind sheathed 1990 for work C x 0.5 Sqmm	following size manufactured with electric ing voltage up	ze of FR M red with brig cal grade P\ p to and incl  To	ulti-core P\ th annealed C compour uding 1100 tal Quantity ed Quantity	bare coppered as per IS V through a 25.000 m 0.000 met	er conducts 5831/19 existing Period etre
14	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformi	s - Supply & conductor rou 84 Insulated ing to IS 694/apping wall. 30	and flexible wind sheathed 1990 for work C x 0.5 Sqmm 25.000	following size manufactured with electric ing voltage up	ze of FR M red with brig cal grade P\ p to and incl To Total Deduct	ulti-core P\ th annealed C compour uding 1100 tal Quantity ted Quantity	25.000 met	er conducts 5831/19 existing Pierre
14	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformit conduit / casing categories and categories as per IS 8130/19 generally conformit conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduits / casing categories / casing catego	s - Supply & conductor rou 184 Insulated ing to IS 694/2 apping wall. 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and flexible wind and sheathed 1990 for work C x 0.5 Sqmm 25.000  State of the stat	following size manufactured with electrical ay 25.000 meters following size manufactured with electrical ing voltage up to the size manufactured with electrical indication with el	Total Deduct  Total Deduct  Total P Rs 4  Total Deduct  To	ulti-core P\ th annealed C compour uding 1100  tal Quantity tal Quantity tal Quantity tal Quantity tal Quantity that annealed C compour	25.000 met	er conducts 5831/19 existing President Preside
	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformit conduit / casing categories as per Cables sheathed Copper of as per IS 8130/19	onductor rou 84 Insulated ing to IS 694/ apping wall. 30 1 019 6 - Supply & conductor rou 84 Insulated ing to IS 694/ apping wall. 30	drawing the and sheathed 1990 for work C x 0.5 Sqmm 25.000	following size manufactured with electrical ay 25.000 meters following size manufactured with electrical ing voltage up to the size manufactured with electrical indication with el	Total Deduct  Total Deduct  Total P Rs 4  Total Deduct  To	ulti-core P\ th annealed C compour uding 1100  tal Quantity tal Quantity tal Quantity tal Quantity tal Quantity that annealed C compour	25.000 met	er conducts 5831/19 existing President Preside
	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformit conduit / casing categories and categories as per IS 8130/19 generally conformit conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduits / casing categories / casing catego	s - Supply & conductor rou 184 Insulated ing to IS 694/2 apping wall. 30 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and flexible wind and sheathed 1990 for work C x 0.5 Sqmm 25.000  State of the stat	following size manufactured with electrical ay 25.000 meters following size manufactured with electrical ing voltage up to the size manufactured with electrical indication with el	ze of FR M red with brig cal grade P\ p to and incl  To  Total Deduct  Net To etre @ Rs 4  ze of FR M red with brig cal grade P\ p to and incl	ulti-core P\ that annealed C compour uding 1100  tal Quantity tal Quantity tal Quantity tal Quantity tal Quantity Core P\ that annealed C compour uding 1100	25.000 met 25.000	er conducts 5831/19 existing Properties of the etre etre etre etre etre etre etre
	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformit conduit / casing categories and categories as per IS 8130/19 generally conformit conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduits / casing categories / casing catego	onductor rou 84 Insulated ing to IS 694/ apping wall. 30 1 019 6 - Supply & conductor rou 84 Insulated ing to IS 694/ apping wall. 30	drawing the and sheathed 1990 for work C x 0.5 Sqmm 25.000	following size manufactured with electrical ay 25.000 meters following size manufactured with electrical ing voltage up an analysis of the size of the	ze of FR M red with brig cal grade P\ p to and incl  To  Total Deduct  Net To  etre @ Rs 4  ze of FR M red with brig cal grade P\ p to and incl  To	ulti-core P\ that annealed C compour uding 1100  tal Quantity tal Quantity tal Quantity tal Quantity Core P\ that annealed C compour uding 1100	25.000 met 25.000 md as per 15 V through of 25.000 met	er conducts 5831/19 existing P etre etre etre etre etre etre existing P existing P existing P existing P etre
	LT Power Cables sheathed Copper of as per IS 8130/19 generally conformit conduit / casing categories and categories as per IS 8130/19 generally conformit conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduit / casing categories as per IS 8130/19 generally conformit conduits / casing categories / casing catego	onductor rou 84 Insulated ing to IS 694/ apping wall. 30 1 019 6 - Supply & conductor rou 84 Insulated ing to IS 694/ apping wall. 30	drawing the and sheathed 1990 for work C x 0.5 Sqmm 25.000	following size manufactured with electrical ay 25.000 meters following size manufactured with electrical ing voltage up an analysis of the size of the	ze of FR M red with brig cal grade P\ p to and incl  To  Total Deduct  Ret @ Rs 4  ze of FR M red with brig cal grade P\ p to and incl  To  Total Deduct	ulti-core P\ th annealed C compour uding 1100  tal Quantity tal Quantity tal Quantity tal Quantity Core P\ th annealed C compour uding 1100	25.000 met	er conducts 5831/19 existing Properties of the e

	od201365/2018_2019  PVC Conduits - Supply and providing the folloonfirming to IS 9537/1983 on surface /	_		_		-
	etc.complete. 20mm dia 1.5mm thick				1	
	1 350.000				350.000	
			То	tal Quantity	350.000 m	etre
		T	otal Deduct	ed Quantity	0.000 metr	е
			Net To	tal Quantity	350.000 m	etre
	Say	350.000 me	tre @ Rs 88	3.00 / metre	Rs 30	800.00
17	od201366/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 25mm dia 1.5mm thick	and the second		_		
	1 250.000				250.000	
		51/1	То	tal Quantity	250.000 m	etre
		T-	otal Deduct	ed Quantity	0.000 metr	е
	101		Net To	tal Quantity	250.000 m	etre
		250.000 metr		•		etre <b>750.00</b>
18	Say 2 od201367/2018_2019 PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick	owing size o	e @ Rs 107	7.00 / metre	Rs 26	750.00
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface /	owing size o	e @ Rs 107	7.00 / metre	Rs 26	750.00
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick	owing size o	re @ Rs 107	7.00 / metre	Rs 26 conduits w	750.00 with speciages ma
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick	owing size o concealed	re @ Rs 107  f ISI Marke position m	7.00 / metre d rigid PVC aking good tal Quantity	Rs 26 conduits we detected the dama	750.00 with speciages manages
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick	owing size o concealed	re @ Rs 107  f   Si Marke position m  To  otal Deduct	7.00 / metre d rigid PVC aking good tal Quantity	Rs 26 conduits we the dama 100.000	750.00 rith spec ages ma
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000	owing size o concealed	f ISI Marke position m  To otal Deduct Net To	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity	Rs 26 Conduits we detected the dama  100.000 100.000 metro 100.000 metro	750.00 rith spec ages ma
18	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000	owing size o concealed T	f ISI Marke position m  To otal Deduct Net To	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity	Rs 26 Conduits we detected the dama  100.000 100.000 metro 100.000 metro	750.00 rith spectages materials
	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000	owing size o concealed T	f ISI Marke position m  To otal Deduct Net To	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity 3.00 / metre	Rs 26 conduits we the dama 100.000 100.000 metr 100.000 metr Rs 13	750.00 rith spectages manages
	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000  Say od201368/2018_2019	owing size o concealed T	f ISI Marke position m  To otal Deduct Net To	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity 3.00 / metre	Rs 26 conduits we the dama 100.000 100.000 metr 100.000 metr Rs 13	750.00 rith spectages manages
	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000  Say od201368/2018_2019  PVC Conduits - Supply & providing Capping / 9	owing size o concealed T	f ISI Marke position m  To otal Deduct Net To re @ Rs 138	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity 3.00 / metre	Rs 26 conduits we the dama 100.000 100.000 metr	rith specages made ages ages ages ages ages ages ages age
	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000  Say od201368/2018_2019  PVC Conduits - Supply & providing Capping / 9	owing size of concealed Too.000 metro	f ISI Marke position m  To  otal Deduct  Net To  re @ Rs 138  od quality of	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity 3.00 / metre f the followin	Rs 26 conduits we the dama 100.000 100.000 metr	750.00 rith spectages manages
	od201367/2018_2019  PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000  Say od201368/2018_2019  PVC Conduits - Supply & providing Capping / 9	owing size of concealed Too.000 metro	f ISI Marke position m  To  otal Deduct  Net To  re @ Rs 138  od quality of  to  otal Deduct	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity 3.00 / metre f the followin tal Quantity ed Quantity	Rs 26 conduits we the dama 100.000 100.000 m 0.000 metr 100.000 m Rs 13 ng sizes. 20 100.000 m	750.00 rith spectages manages
	od201367/2018_2019 PVC Conduits - Supply and providing the foll confirming to IS 9537/1983 on surface / etc.complete. 32mm dia 1.5mm thick  1 100.000  Say 7  od201368/2018_2019 PVC Conduits - Supply & providing Capping / 0  1 100.000	owing size of concealed Too.000 metro	f ISI Marke position m  To otal Deduct Net To e @ Rs 138 od quality of otal Deduct Net To	7.00 / metre d rigid PVC aking good tal Quantity ed Quantity tal Quantity f the following tal Quantity ed Quantity	Rs 26 conduits we the dama 100.000 100.000 m 0.000 metr 100.000 m 0.000 m	rith spectages manages

		4	100,000				400.000	
		1	100.000		T-1-1-0	171	100.000	- (
				<b></b>	Total Qu		100.000 m	
				Total	Deducted Qu			
					Net Total Qu			
			Say 10	0.000 metre	@ Rs 49.00 /	metre	Rs 49	00.00
21	od201370/2018_2019 UG Cable Tamper Prot protection in the existin			•		GI Pipe	e for UG Ca	able tamp
		1	10.000				10.000	
					Total Qu	antity	10.000 me	tre
			Bus.	Total	Deducted Qu	antity	0.000 metre	9
			1/1/1/1/1	5	Net Total Qu	antity	10.000 met	re
			Say 10	.000 metre @	Rs 379.00 /	metre	Rs 37	90.00
22	od201371/2018_2019	61	W W	N.T.	1. 1	ļ		
	UG Cable Tamper Prot protection in the existin					GI Pipe	e for UG Ca	able tamp
	3	1	10.000				10.000	
			No. of London	21.72.7	Total Qu	antity	10.000 me	tre
		Ker	ala Water	AutTotal	Deducted Qu	antity	0.000 metre	Э
	7		DI		Net Total Qu	antity	10.000 met	re
		$\mathbf{P}_{\perp}$	Say 10	.000 metre @	Rs 485.00 /	metre	Rs 48	50.00
23	od201372/2018_2019 Circuit Mains - Supply bright annealed bunche grade PVC compound to and including 1100 V	ed electrol per as IS 5	ytic copper con 831/1984 Gene	ductor as pe rally Conforr	er IS 8130/198 ming to IS 694	34 insu 1/1990	lated with of	di-electrio voltage
		1	100.000				100.000	
					Total Qu	antity	100.000 m	etre
				Total	Deducted Qu	antity	0.000 metre	Э
					Net Total Qu	antity	100.000 me	etre
			Sav 100	.000 metre @	Rs 199.00 /			900.00
24	od201373/2018_2019 Circuit Mains - Supply bright annealed bunche grade PVC compound	ed electrol	ytic copper con		•	•	lated with	

		1	200.000				200.000	
					To	tal Quantity	200.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metre	e
		tal Quantity	200.000 metre					
			Say 2	200.000 met	re @ Rs 15	4.00 / metre	Rs 30	300.00
25	od201374/2018_2019 Circuit Mains- Supply a annealed bunched ele- PVC compound per as including 1100 V.through	ctrolytic cop IS 5831/19	oper conduct 84 Generall	tor as per Is y Conformin	S 8130/198 g to IS 694	4 insulated /1990 for wo	with di-elec orking voltag	trical gra
		1	350.000				350.000	
			160	168	To	tal Quantity	350.000 m	etre
			6.01	T. I	otal Deduct	ted Quantity	0.000 metre	)
		1	37 3	R W	Net To	tal Quantity	350.000 me	etre
		6 1	Say 3	350.000 met	re @ Rs 11	8.00 / metre	Rs 41	300.00
		500	R			ital Quantity		J
						otal Quantity		
				Sav 500.00		149.00 / kg		
27	od201376/2018_2019			·		111007119	1	500.00
21	Cable Supports & Tre including cutting, welc	Ū		ū				thickn
21		Ū		ū				
		ding, painti		ū	the cable t		100.000	e thickn
21		ding, painti		equired for	the cable t	rench cove	100.000 100.000 kg	e thickno
		ding, painti		equired for	the cable t	rench cove	100.000 100.000 kg 0.000 kg	e thickno
		ding, painti		equired for	Total Deduct	etal Quantity	100.000 100.000 kg 0.000 kg 100.000 kg	e thickno

				5ay ∠5.00	U NO W KS	417.00 / No	KS 10	425.00
				Say 25 00		tal Quantity		425 OO
				I		ed Quantity		
				-		tal Quantity	25.000 No	
		25			_	(-10 "	25.000	
31	od195922/2018_2019 Cable Supports & Tre there on bolted / welc	enching - Sup ded to 35x35				•	in ground a	•
				Say 50.00	0 No @ Rs	516.00 / No	Rs 25	800.00
		P	K		Net To	tal Quantity	50.000 No	
				J		ed Quantity	0.000 No	
		Ker	<del>ala Wat</del>	<del>er Auth</del>	ority	tal Quantity	50.000 No	
		50		in ol			50.000	
30	od195921/2018_2019 Cable Supports & Tre there on bolted / welc	enching - Sur	Total Control					-
		11	Say 1	00.000 met	re @ Rs 604	4.00 / metre	Rs 60	400.00
			£3 1		Net To	tal Quantity	100.000 m	etre
			190	MA T	otal Deduct	ed Quantity	0.000 metr	е
			m.	a.	To	tal Quantity	100.000 m	etre
		1	100.000				100.000	
	Charges for making cabove the cable, prover standards of the f	able trenche	ushioning of	150mm refil	ling & restor	ing normal s		
29	od201378/2018_2019	 }	Oay 1	00.000 met	10 @ 113 03	1.007 1110110	113 00	100.00
			Say 1	00 000 met		1.00 / metre		100.00
				<u>'</u>		tal Quantity		
						ed Quantity		
		1	100.000		To	tal Quantity	100.000 100.000 m	otro

162(b)- Supply, erection, testing and commissioning of 500 KVA Transformer and allied works at Thonithady plant compound- (5)- EARTHING & ACCESSORIES (Cost Index:41.53 %)

1	od201561/2018_2019 Supply and providing p watering pipe fixed to the quantity of charcoal ince 40 mm broken stone of masonry and the expose dimension shall be 450 and covering at the top	he earth pla luding cons (10 cm thic sed surface ) x 450 x 45	te with 25 x struction of in k), brick wo of PCC bed	3mm GI cla spection ch rk in ceme with ceme	nmps, GI fur namber with nt mortar 1: nt mortar 1:	nnel with we a bed concr :6, plasterir 4, 12 mm th	d mesh, filli rete of 1:4:8 ng the surfa ick, (the fini	ing required PCC using ace of brick shed inside
		8					8.000	
					To	tal Quantity	8.000 set	
				Т	otal Deduct	ed Quantity	0.000 set	
			-	0	Net To	tal Quantity	8.000 set	
			1/403	Say 8.000 s	et @ Rs 11	091.00 / set	Rs 88	728.00
2	od201562/2018_2019 Supply and providing p with weld mesh, filling with a bed concrete of 1:6, plastering the surfa 12 mm thick, (the finish continuity conductor to	required qu 1:4:8 PCC ace of brick ned inside d	nantity of cha using 40 mn masonry and limension sh	arcoal & salin broken sto the exposinal be 300 x	t including one (10 cm ed surface o	construction thick), brick of PCC bed	of inspection work in cerwith cement	on chamber ment mortar t mortar 1:4,
		5	Name Hard	a anta			5.000	
		Kera	ala Wat	er Auth	ority To	tal Quantity	5.000 set	
		DI	D 1	Т	otal Deduct	ed Quantity	0.000 set	
					Net To	tal Quantity	5.000 set	
				Say 5.000	set @ Rs 2	952.00 / set	Rs 14	760.00
3	od201563/2018_2019 Supply & laying the foll continous earthing alor	_		•	•			
		1	300.000				300.000	
					To	tal Quantity	300.000 m	etre
				Т	otal Deduct	ed Quantity	0.000 metr	e
					Net To	tal Quantity	300.000 m	etre
			Say 30	0.000 metre	e @ Rs 160	0.00 / metre	Rs 480	00.000
4	od201564/2018_2019 Supply & laying the foll continous earthing alor	_		•	•			
		1	500.000				500.000	
					To	tal Quantity	500.000 m	etre

				Т	otal Deduct	ed Quantity	0.000 metre	e			
					Net To	tal Quantity	500.000 me	etre			
			Say 5	500.000 met	re @ Rs 79	7.00 / metre	Rs 398	500.00			
5	od201565/2018_2019 Supply and drawing ba earth connection as rec	•			•	long with w	ring/ cables	and giving			
		1	300.000				300.000				
					To	tal Quantity	300.000 m	etre			
				Т	otal Deduct	ed Quantity	0.000 metre	e			
	Net Total Quantity 300.000 metre										
			Say 3	300.000 met	re @ Rs 199	9.00 / metre	Rs 597	700.00			
6	od201566/2018_2019 Supply and drawing ba earth connection as rec	-				long with w	ring/ cables	and giving			
		( 1	600.000	73/A	1-21		600.000				
		15	儿婆		То	tal Quantity	600.000 m	etre			
		4			otal Deduct	ed Quantity	0.000 metre	9			
			M Com	IN DE PET	Net To	tal Quantity	600.000 me	etre			
		Ker	ala <b>\S</b> ăy 6	300.000 met	re @ Rs 110	3.00 / metre	Rs 678	300.00			
SI No	Description	No	L	В	D	CF	Quantity	Remark			
	pply, erection, testing vater pump house com		_			1	works at T st Index:41.	-			
1	od201637/2018_2019										
	Supply and providing 6 KV dielectric strength c			_	de chequere	ed type rubb	er mat to wi	thstand 3.3			
		1	5.000				5.000				
					То	tal Quantity	5.000 sqm				
				Т	otal Deduct	ed Quantity	0.000 sqm				
					Net To	tal Quantity	5.000 sqm				
				Say 5.000 s	qm @ Rs 7	73.00 / sqm	Rs 38	65.00			
2	od201638/2018_2019 Supply and providing 12 KV dielectric strength co			•	-			rithstand 15			
		1	2.000				2.000				
					То	tal Quantity	2.000 sqm				
				Т	otal Deduct	ed Quantity	0.000 sqm				

	Net Total Quantity	2.000 sqm						
	Say 2.000 sqm @ Rs 1379.00 / sqm	Rs 2758.00						
3	od201639/2018_2019 Supply and providing 5 Kg. Dry Chemical Powder type Fire Extinguisher with hos fixing it to wall as required.	e and clamps including						
	2	2.000						
	Total Quantity	2.000 set						
	Total Deducted Quantity	0.000 set						
	Net Total Quantity	2.000 set						
	Say 2.000 set @ Rs 2383.00 / set	Rs 4766.00						
4	od201640/2018_2019  Supply and providing 9 Litre capacity GI Fire Bucket painted in post office red oxide and written with white paint 'FIRE' mounted on MS angle frame work/ wal sand, painting the bracket/ floor stand including making good the damages, required.	I bracket filled with fir						
	4	4.000						
	Total Quantity	4.000 set						
	Total Deducted Quantity	0.000 set						
	Net Total Quantity 4.000 set							
	Kerala Water Authority Rs 638.00 / set	Rs 2552.00						
5	od201641/2018_2019 Supply and providing First Aid Chart duly framed and placed in a conspicuous local	ation for clear vision.						
		1.000						
	Total Quantity	1.000 set						
	Total Deducted Quantity	0.000 set						
	Net Total Quantity	1.000 set						
	Say 1.000 set @ Rs 247.00 / set	Rs 247.00						
6	od201642/2018_2019 Supply and providing Laminated Electrical Schematic diagram framed and placetion for clear vision.	aced in a conspicuou						
	1	1.000						
	Total Quantity	1.000 set						
	Total Deducted Quantity	0.000 set						
	Net Total Quantity	1.000 set						
	Say 1.000 set @ Rs 226.00 / set	Rs 226.00						

	Supply & providing Alboth in English and M			-				. ,
	by the Engineer in Ch	,	na conventi	onai Skuli ai	na Bone in	Rea colour a	at locations	as directed
		10					10.000	
					To	tal Quantity	10.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	10.000 No	
				Say 10.00	0 No @ Rs	267.00 / No	Rs 26	70.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
	supply, erection, testing er pump house compo	_	HEME APP					honithady dex:41.53
1	od202018/2018_2019 SCHEME APPROVA drawings, Voltage of Inspectorate including entire installation, obtained	AL & POWE Irop calcula g all MV add aining sanction	tions, Eartl litions recen	hing design itly made an	& fault le d obtaining	vel calculat approval, a	tions to the tranging ins	e Electrical spection for
		1					1.000	
			DE BOX	a and	To	tal Quantity	1.000 L.S	
		Ker	ala Wat	ter Auth	otal Deduct	ed Quantity	0.000 L.S	
					Net To	tal Quantity	1.000 L.S	
				Say 1.000 L.	S @ Rs 200	000.00 / L.S	Rs 20	00.00
2	od202020/2018_2019 SCHEME APPROVA drawings to KSEB for expenses) .Preparation demand according to	AL & POWE or obtaining on, submission	sanction foon and exec	r power allo	cation (Inc	luding all in	icidental an	d statutory
		1					1.000	
					Тс	tal Quantity	1.000 L.S	
				Т	otal Deduct	ed Quantity	0.000 L.S	
					Net To	tal Quantity	1.000 L.S	
			;	Say 1.000 L.	S @ Rs 150	000.00 / L.S	Rs 15	000.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
	19Supply, erection, te	sting and co	mmissioni	ng of motor	pump set	(Cost In	dex:41.53 %	6)
		No Specif	ications add	led under thi	s Estimate	T		T
SI No	Description	No	L	В	D	CF	Quantity	Remark

20(4) Supply, Erection, Testing and Commissioning of 2 Nos new Vertical Turbine motor Pumpset (working voltage 3300V) having discharge of 80 lps against a total head of 180 M. suction head 20.30m at Thonithady raw water pump house (Cost Index:41.53 %) 1 od197162/2018 2019 Supply, Erection, Testing and Commissioning of 2 Nos new Vertical Turbine motor Pumpset (working voltage 3300V) having discharge of 80 lps against a total head of 180 M. suction head 20.30 m at WTP sump.( From raw water pumping station to Alady plant) including cost of soft starter 2.000 Total Quantity 2.000 No Total Deducted Quantity 0.000 No Net Total Quantity 2.000 No Say 2.000 No @ Rs 3888802.96 / No Rs 7777605.92 2 od197164/2018 2019 Supply of additional cable by ond the initial supply of 10Mtr. Additional requirement from panel board to starter and from starter to motor 25.000 25.000 Total Quantity 25.000 metre Total Deducted Quantity 0.000 metre Net Total Quantity 25.000 metre Kerala \Say 25.000 metre @ Rs/1518.00 / metre Rs 37950.00 3 od197165/2018 2019 Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to pannel board etc. complete as per standards including end termination materials as per IE rules. The supply shall be limited to the actual requirement. 1 20.000 20.000 Total Quantity 20.000 metre Total Deducted Quantity 0.000 metre Net Total Quantity 20.000 metre Say 20.000 metre @ Rs 1518.00 / metre Rs 30360.00 4 2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil Providing 350mm surge arrestor- Earth 1 4.000 2.500 1.500 15.000 work in excavation

					To	tal Quantity	15.000 cur	m
				-	Total Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	15.000 cun	n
			S	Say 15.000	cum @ Rs 3	09.95 / cum	Rs 46	649.25
5	od197167/2018_2019 Providing 350mm surclear water pumping recutting the existing DI arrestor.(Rate as per	ge arrestor- main includir pipe, insertii	ng cost of sp	ecials such	as 2 Nos. T	ail piece, 2	Nos. Mecha	anical joir
		1					1.000	
			<u></u>		To	tal Quantity	1.000 No	
			//98	165	Total Deduct	ed Quantity	0.000 No	
			5.03		Net To	tal Quantity	1.000 No	
			5	Say 1.000 N	lo @ Rs 600	000.00 / No	Rs 600	00.000
6	od197168/2018_2019 Providing 350mm surblock including charge	rge arrestor-				- Table 1971		
		1	4.000	2.500	0.500		5.000	
	Total Quantit							1
		Nei	ala wal	el Auu	Total Deduct	ed Quantity	0.000 cum	
					Net To	tal Quantity	5.000 cum	
			5	Say 5.000 cu	um @ Rs 89	41.83 / cum	Rs 44	
							l	709.15
7	od197169/2018_2019 Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice by the departmental of	rge arrestor- l ends includ valve - 1 No	ding all cost b. etc and all	of materia labour cha	valve of diar lls such as i	meter - 200i 200mm air	mm & test p	oressure Ive - 1 N
7	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No	ding all cost b. etc and all	of materia labour cha	valve of diar lls such as i	meter - 200i 200mm air	mm & test p	oressure Ive - 1 N
7	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No officers.(Rate	ding all cost b. etc and all	of materia labour cha	valve of diar ils such as i rges for fittin data)	meter - 200i 200mm air	mm & test p cushion va in position	oressure Ive - 1 N
7	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No officers.(Rate	ding all cost b. etc and all	of materia labour cha R Observed	valve of diar ils such as i rges for fittin data)	meter - 200i 200mm air ng the same otal Quantity	mm & test p cushion va in position 1.000	oressure Ive - 1 N
7	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No officers.(Rate	ding all cost b. etc and all	of materia labour cha R Observed	valve of diaruls such as the control of the control	meter - 200i 200mm air ng the same otal Quantity	mm & test pcushion value in position  1.000  1.000 No  0.000 No	oressure Ive - 1 N
7	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No officers.(Rate	ding all cost b. etc and all e as per DSF	of materia labour cha R Observed	valve of diaruls such as the control of the control	meter - 2000 200mm air ing the same otal Quantity ared Quantity otal Quantity	mm & test p cushion va in position 1.000 1.000 No 0.000 No	oressure Ive - 1 N
8	Providing 350mm sur Kg/cm2 with flanged 200mm D/F CI sluice	rge arrestor- l ends includ valve - 1 No officers.(Rate  1	ding all cost  b. etc and all  e as per DSF  Constructin  ncluding all cost	of materia labour cha R Observed Say 1.000 N	valve of diaruls such as inges for fitting data)  Total Deduct Net Total Deduct Net Total O@ Rs 409  ve chamber trials, labour	meter - 2000 200mm air ing the same otal Quantity ded Quantity otal Quantity otal Quantity otal Quantity otal Society of size 2.50 charge, forr	mm & test procushion value in position  1.000  1.000 No  0.000 No  1.000 No  Rs 409	pressure lve - 1 N as direct

	i e							
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
				Say 1.000 N	No @ Rs 63	841.40 / No	Rs 638	841.40
9	od197171/2018_2019 STATUTORY APPROV	/AL FROM I	KSEB					
		1					1.000	
					То	tal Quantity	1.000 No	
				T	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
			/Gi	Say 1.000 l	No @ Rs 50	000.00 / No	Rs 500	000.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
	21(3) Power Allo	ocation and	CD, OYE	C charges et	tc. (Cos	t Index:41.5	i3 %)	
1	od494/2019_2020 Providing 11 KV line treatment plant - 400				es for the p	oower conn	ection of A	lady water
		41					1.000	
			ne Contin	on 01 12/	То	tal Quantity	1.000 No	
		Kera	ala Wa	ter Auth	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
		P = 1	s	ay 1.000 No	@ Rs 2439	594.00 / No	Rs 2439	9594.00
2	od495/2019_2020 Providing 11 KV line ex pumping station - 500 k			•	the power of	connection c	of Thonithad	y raw water
		1					1.000	
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	1.000 No	
			, [	Say 1.000 N	o @ Rs 872	306.00 / No	Rs 872	306.00
SI No	Description	No	L	В	D	CF	Quantity	Remark
229(a) Su	pply, Erection, Testing for pumpir	and Comn ng to Nariya	_			sets at Nariy x:41.53 %)	yanpara pui	mp house
		No Specifi	cations add	ded under thi	s Estimate		<b>,</b>	
SI No	Description	No	L	В	D	CF	Quantity	Remark
239(a.) Su	pply, Erection, Testing for pumpir	ງ and Comr ng to Nariya	•		otor pump s (Cost Inde		yanpara pu	mp house

1	od54105/2020_2021 Supply, Erection, Tes Centrifugal motor Pum speed 1450 rpm at Na	pset having	discharge of	of 3.50 lps a	gainst a tota	al head of 1	73 M. suctio	n head 5m,
		2					2.000	
				1	То	tal Quantity	2.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
					Net To	tal Quantity	2.000 No	
			(	Say 2.000 No	o @ Rs 247	846.92 / No	Rs 495	693.84
2	od54106/2020_2021 Supply of additional ca starter and from starte	-	the initial su	pply of 10M	tr. Additiona	al requireme	ent from pan	el board to
		1	25.000	18			25.000	
		1	43 6	\$ W	То	tal Quantity	25.000 me	tre
		11			otal Deduct	ed Quantity	0.000 metre	)
		NA	DE		Net To	tal Quantity	25.000 met	re
		16/42	Say	25.000 met	re @ Rs 193	3.20 / metre	Rs 48	30.00
3	od54107/2020_2021 Supply of suitable siz relevant IS code, for gi standards including en requirement.	ving power	connections	to main sw	itchboard to	pannel boa	rd etc. comp	olete as per
		1 1	20.000				20.000	
					То	tal Quantity	20.000 me	tre
				Т			0.000 metre	
							20.000 met	
			Say	20.000 met	re @ Rs 266	6.80 / metre	Rs 53	36.00
4	od54108/2020_2021 STATUTORY APPRO\	/AL FROM	KSEB					
		1					1.000	
					То	tal Quantity	1.000 No	
				Т	otal Deduct	ed Quantity	0.000 No	
							4 000 11	
					Net To	tal Quantity	1.000 No	
				Say 1.000 N	Net To		1.000 No Rs 250	00.00

1	od54144/2020_2021								
	Supply, Erection, T Centrifugal motor Pospeed 1450 rpm at N GLSR)	umpset havir	ng discharge	of 22 lps ag	gainst a tota	I head of 11	I3 M. suction	on head 5n	
	/	2					2.000		
		1	1		То	tal Quantity	y 2.000 No		
				٦	Total Deduct	ed Quantity	0.000 No		
		tal Quantity	2.000 No						
		489.41 / No	Rs 146	8978.82					
2	od54145/2020_2021 Supply of additional starter and from star	cable beyon	d the initial s	supply of 10N	/ltr. Addition	al requireme	ent from pa	nel board	
		1	25.000		1-21		25.000		
		1/32	L	Mass.	То	tal Quantity	25.000 me	etre	
	Total Deducted Quantity 0.000 metre								
	Net Total Quantity 25.000 metre								
			No. 19	da will	Net To	tal Quantity	25.000 me	tre	
		Ke	rala Vša	y 25.000 met	_			tre 637.50	
3	od54146/2020_2021 Supply of suitable relevantIS code, for standards including requirement.	size PVC in	sulated, she	eathed,armo	re @ Rs 425 oured coppe	5.50 / metre	Rs 10	637.50 nforming plete as p	
3	Supply of suitable relevantIS code, for standards including	size PVC in	sulated, she	eathed,armo	re @ Rs 425 oured coppe	5.50 / metre	Rs 10	637.50 nforming plete as p	
3	Supply of suitable relevantIS code, for standards including	size PVC in giving power end termina	sulated, she connection: tion materia	eathed,armo	re @ Rs 425 oured coppe itchboard to rules. The s	5.50 / metre	Rs 10 or cable co rd etc. com be limited t	nforming plete as poor the actu	
3	Supply of suitable relevantIS code, for standards including	size PVC in giving power end termina	sulated, she connection: tion materia	eathed,armos to main sw ls as per IE	re @ Rs 425 oured coppe itchboard to rules. The s	5.50 / metre or conducto pannel boa upply shall tal Quantity	Rs 10 or cable co rd etc. com be limited t 20.000	nforming plete as po the actu	
3	Supply of suitable relevantIS code, for standards including	size PVC in giving power end termina	sulated, she connection: tion materia	eathed,armos to main sw ls as per IE	re @ Rs 425 oured coppetitchboard to rules. The s	5.50 / metre or conducto pannel boa upply shall tal Quantity	Rs 10 or cable co rd etc. com be limited t  20.000  20.000 metr	nforming plete as p to the actual etre	
3	Supply of suitable relevantIS code, for standards including	size PVC in giving power end termina	sulated, she connection tion materia	eathed,armos to main sw ls as per IE	re @ Rs 425 oured coppe itchboard to rules. The s  To Total Deduct	5.50 / metre er conductor pannel boa upply shall tal Quantity ed Quantity	Rs 10 or cable coord etc. combe limited to 20.000 20.000 met 0.000 met 20.000 me	nforming plete as p to the actual etre	
3	Supply of suitable relevantIS code, for standards including	size PVC in giving power end termina	sulated, she connection materia 20.000	eathed,armost to main switch	re @ Rs 425 oured coppe itchboard to rules. The s  To Total Deduct	5.50 / metre er conductor pannel boa upply shall tal Quantity ed Quantity	Rs 10 or cable coord etc. combe limited to 20.000 20.000 met 0.000 met 20.000 me	nforming plete as p to the actual etre	
	Supply of suitable relevantIS code, for standards including requirement.  od54147/2020_2021	size PVC in giving power end termina	sulated, she connection materia 20.000	eathed,armost to main switch	re @ Rs 425 oured coppe itchboard to rules. The s  To Total Deduct	5.50 / metre er conductor pannel boa upply shall tal Quantity ed Quantity	Rs 10 or cable coord etc. combe limited to 20.000 20.000 met 0.000 met 20.000 me	nforming plete as p to the actual etre	
	Supply of suitable relevantIS code, for standards including requirement.  od54147/2020_2021	size PVC in giving power end termina	sulated, she connection materia 20.000	eathed,armost to main switch	re @ Rs 425 oured coppeditchboard to rules. The s  To Total Deduct Net To re @ Rs 816	5.50 / metre er conductor pannel boa upply shall tal Quantity ed Quantity	Rs 10 or cable co rd etc. com be limited t  20.000 20.000 metr  20.000 me  Rs 16	nforming plete as po the actual etre	
	Supply of suitable relevantIS code, for standards including requirement.  od54147/2020_2021	size PVC in giving power end termina	sulated, she connection materia 20.000	eathed,armost to main swits as per IE	re @ Rs 425 oured coppeditchboard to rules. The s  To Total Deduct Net To re @ Rs 816	5.50 / metre or conductor pannel boa upply shall tal Quantity ed Quantity tal Quantity tal Quantity tal Quantity	Rs 10 or cable co rd etc. com be limited t  20.000 20.000 metr  20.000 me  Rs 16	nforming plete as p to the actual etre	

				Say 1.000	No @	Rs 25	000.00 / No	Rs 25	000.00
SI No	Description	No	L	В		D	CF	Quantity	Remark
259(c) S	upply, Erection, Testir pumpi	_	nmissioning oakada GL 1	_		r pump dex:41		ithotty pum	p house
1	od54190/2020_2021 Supply, Erection, Tes Centrifugal motor Pum speed 1450 rpm at Ka	pset having	g discharge	of 11 lps	agains	st a tota	al head of 1		•
		2						2.000	
			1	1		То	tal Quantity	2.000 No	
					Total	Deduct	ed Quantity	0.000 No	
			(Cal	28)\ 		Net To	tal Quantity	2.000 No	
				Say 2.000 N	No @ I	Rs 116	130.51 / No	Rs 232	2261.02
2	od54191/2020_2021 STATUTORY APPROV	/AL FROM	KSEB	K	7	n			
		1	N. S. A.	SALT.	T	8.	l <sub>e</sub>	1.000	
		101	L.		<u> </u>	То	tal Quantity	1.000 No	
		700			Total	Deduct	ed Quantity	0.000 No	
			Nei	व जारे		Net To	tal Quantity	1.000 No	
		Kera	ala Wat	Say 1.00	0 No (	@-Rs 5	000.00 / No	Rs 50	00.00
SI No	Description	No	L	В		D	CF	Quantity	Remark
269(d) S	upply, Erection, Testir pum		nmissionin opara GL ta			r pump ex:41.		Ithotty pum	p house
1	od54202/2020_2021 Supply, Erection, Tes Centrifugal motor Pum speed 1450 rpm at Ka	pset having	g discharge	of 11 lps a	gains	t a tota	I head of 18		J
		2						2.000	
						То	tal Quantity	2.000 No	
					Total	Deduct	ed Quantity	0.000 No	
						Net To	tal Quantity	2.000 No	
			;	Say 2.000 N	No @ I	Rs 646	338.97 / No	Rs 129	2677.94
2	od54203/2020_2021 Supply of additional ca	-	the initial s	upply of 10	Mtr. A	ddition	al requireme	ent from par	nel board to
	starter and from starter		05.000					05.000	
		1	25.000					25.000	
						То	tal Quantity	25.000 me	tre

				Т	otal Deduc	ted Quantity	0.000 metr	е		
					Net To	otal Quantity	25.000 me	tre		
			Sa	y 25.000 met	re @ Rs 33	9.25 / metre	Rs 84	<b>481.25</b>		
3	od54204/2020_2021 Supply of suitable relevantIS code, for standards including requirement.	size PVC ins giving power	connection	s to main swi	tchboard to	pannel boa	rd etc. com	plete as pe		
		1	20.000				20.000			
					To	tal Quantity	20.000 me	etre		
				Т Т		ted Quantity		e		
		otal Quantity								
		6.75 / metre		935.00						
4	od54205/2020_2021 STATUTORY APPR		SK.	<b>5</b> X						
		1	LE		1 50	1	1.000			
		144			To	tal Quantity	1.000 No			
			Milita	in all	otal Deduc	ted Quantity	0.000 No			
	Kerala Water Authori Net Total Quantity 1.000 No									
			·		2	000.00 / No		000.00		
SI No	Description	No	L	В	D	CF	Quantity	Remark		
<b>279(e)</b>	Power allocation cha	pumping	•	nsion of thre (Cost Index	-	ne to Kaltho	otti and Nar	iyanpara		
	Power allocation an power allocation fee 2018-19/ESKNCHR/	, Estimate co	ost for servi	ce connection		• ,	•			
		1					1.000			
					To	otal Quantity	1.000 No			
				Т	otal Deduc	ted Quantity	0.000 No			
	Net Total Quantity 1.000 No									
	Say 1.000 No @ Rs 1965000.00 / No Rs 1965000.0									
	2 od54541/2020_2021 Any additional cost for actual execution of work - Power allocation and energization of clear water house at Kalthotty 100 KVA (Approval from KSEB)									
2	Any additional cost f	or actual exe			llocation ar	ıd energizati	on of clear	water pum		

					То	tal Quantity	1.000 L.S			
	Total Quantity 1.000 L.S  Total Deducted Quantity 0.000 L.S  Net Total Quantity 1.000 L.S  Say 1.000 L.S @ Rs 200000.00 / L.S Rs 200000.00  od54542/2020_2021  Power allocation and energization of clear water pump house at Nariyampara (Including application fee, power allocation fee, Estimate cost for service connection, Cash deposit) - As per intimation notice DB-2018-19/ESKNCHR/326 dated 22.03.2019 from KSEB)  1									
					Net To	tal Quantity	1.000 L.S			
			S	ay 1.000 L.S	8 @ Rs 2000	000.00 / L.S	Rs 200	00.00		
3	Power allocation and e power allocation fee , E	Estimate cos	st for servic	e connectior	•		•			
		1					1.000			
					То	tal Quantity	1.000 No			
			0	6 T	otal Deduct	ed Quantity	0.000 No			
		tal Quantity	1.000 No							
		-		Say 1.000 No	o @ Rs 920	000.00 / No	Rs 920	00.000		
4	od54543/2020_2021 Any additional cost for actual execution of work - Power allocation and energization of clear water pump									
		1		多沙漠			1.000			
				an 81	То	tal Quantity	1.000 L.S			
		Vor	ala Wat	or Auth	otal Deduct	ed Quantity	0.000 L.S			
		IXCI	ara wat	CI Auti	Net To	tal Quantity	1.000 L.S			
			S	ay 1.000 L.S	@ Rs 2000	000.00 / L.S	Rs 200	00.00		
SI No	Description	No	L	В	D	CF	Quantity	Remark		
2813 -	Supply, erection, testir	ng and com	_	•	oumpsets at	t Alady pun	որ house	(Cost		
		No Specifi	cations add	ed under thi	s Estimate					
SI No	Description	No	L	В	D	CF	Quantity	Remark		
	, Erection, Testing and inst a total head of 81		nead 5m at		for pumpir	-	•	•		
1	od54791/2020_2021 Supply, Erection, Tes Centrifugal motor Pun speed 1450 rpm at Ala	npset having	g discharge	of 5 lps ag	gainst a tota			_		
		2					2.000			
					To	tal Quantity	2.000 No			
				Т	otal Deduct	ed Quantity	0.000 No			
					Net To	tal Quantity	2.000 No			

			;	Say 2.000 No	o @ Rs 238	352.12 / No	Rs 476	704.24		
2	od54792/2020_2021									
	Supply of additional ca starter and from starter	-	the initial s	upply of 10M	Itr. Addition	al requireme	ent from par	nel board to		
	Starter and from starter	1	25.000				25.000			
		'	20.000		To	tal Quantity		tre		
				Т			0.000 metre			
				·		<u>-</u>	25.000 met			
			Sav	25.000 met						
3	od54793/2020_2021						110 10	101100		
_	Supply of suitable siz	e PVC ins	ulated, she	athed,armo	ured coppe	er conducto	r cable con	nforming to		
	relevantIS code, for giving power connections to main switchboard to pannel board etc. complete as per standards including end termination materials as per IE rules. The supply shall be limited to the actual									
	requirement.	u terriiriati	on materials	s as per ic i	ules. The s	ирріу зпап	be illilited to	Tile actual		
		1	20.000	53/X	1 1		20.000			
		1 A	M		То	tal Quantity	20.000 me	tre		
		194		L C	otal Deduct	ed Quantity	0.000 metre	Э		
				on of S	Net To	tal Quantity	20.000 met	re		
		TZ	Say	20.000 met	re @ Rs 416	6.30 / metre	Rs 83	26.00		
4	od54794/2020_2021	Kera	ara wai	lei Auti	iority	_				
	STATUTORY APPROV	/AL FROM I	KSEB			,				
		1					1.000			
								•		
					То	tal Quantity	1.000 No			
				Т	To otal Deduct					
					otal Deduct	ed Quantity	0.000 No 1.000 No			
OLA I				Say 1.000 N	otal Deduct  Net To  No @ Rs 25	ed Quantity tal Quantity 000.00 / No	0.000 No 1.000 No Rs 250			
SI No	Description Tool	No	L	Say 1.000 N	Net To No @ Rs 25	ed Quantity tal Quantity 000.00 / No	0.000 No 1.000 No Rs 250 Quantity	Remark		
30(2) -	Description  Supply, Erection, Test arge of 65 lps against a	ing and Co	mmissioni	Say 1.000 N B ng of 2 Nos	Net To No @ Rs 25	ed Quantity tal Quantity 000.00 / No CF	0.000 No 1.000 No Rs 250 Quantity r Pumpset	Remark having		
30(2) -	Supply, Erection, Test	ing and Co a total head	mmissioni d of 125 M.	Say 1.000 N B ng of 2 Nos suction hea	Net To No @ Rs 25 D new Centre ad 5m speed	ed Quantity tal Quantity 000.00 / No CF	0.000 No 1.000 No Rs 250 Quantity or Pumpset at WTP sur	Remark having		
30(2) -	Supply, Erection, Test arge of 65 lps against a pumping to od55073/2020_2021	ing and Co a total head Kalthotty /	mmissioni I of 125 M. Nariyampa	Say 1.000 N  B  ng of 2 Nos suction hea ara sumps	Net To No @ Rs 25  new Centr ad 5m speed (Cost Inc	ed Quantity tal Quantity 000.00 / No  CF ifugal moto d 1450 rpm dex:41.53 %	0.000 No 1.000 No Rs 250 Quantity or Pumpset at WTP sur	Remark having mp for		
30(2) - disch	Supply, Erection, Test arge of 65 lps against a pumping to od55073/2020_2021 Supply, Erection, Tes	ing and Co a total head Kalthotty /	ommissioni d of 125 M. Nariyampa ommission	Say 1.000 N  B  ng of 2 Nos suction hea ara sumps  ing of 2 No	Net To No @ Rs 25 D new Centr nd 5m speed (Cost Inc	ed Quantity tal Quantity 000.00 / No CF ifugal moto d 1450 rpm dex:41.53 %	0.000 No 1.000 No Rs 250 Quantity or Pumpset at WTP sur b)	Remark having mp for multi stage		
30(2) - disch	Supply, Erection, Test arge of 65 lps against a pumping to od55073/2020_2021 Supply, Erection, Test Centrifugal motor Pum speed 1450 rpm at W	ing and Co a total head Kalthotty / ting and C pset having	ommissioni d of 125 M. Nariyampa ommission discharge	Say 1.000 N  B  Ing of 2 Nos suction hea ara sumps  ing of 2 No of 65 lps ag	Net To No @ Rs 25  new Centr ad 5m speed (Cost Inc	ed Quantity tal Quantity 000.00 / No  CF ifugal moto d 1450 rpm dex:41.53 % zontal / Ve I head of 12	0.000 No 1.000 No Rs 250 Quantity or Pumpset at WTP sur b) rtical type r 25 M. suctio	Remark having mp for multi stage n head 5m,		
30(2) - disch	Supply, Erection, Test arge of 65 lps against a pumping to od55073/2020_2021 Supply, Erection, Test Centrifugal motor Pum	ing and Co a total head Kalthotty / ting and C pset having	ommissioni d of 125 M. Nariyampa ommission discharge	Say 1.000 N  B  Ing of 2 Nos suction hea ara sumps  ing of 2 No of 65 lps ag	Net To No @ Rs 25  new Centr ad 5m speed (Cost Inc	ed Quantity tal Quantity 000.00 / No  CF ifugal moto d 1450 rpm dex:41.53 % zontal / Ve I head of 12	0.000 No 1.000 No Rs 250 Quantity or Pumpset at WTP sur b) rtical type r 25 M. suctio	Remark having mp for multi stage n head 5m,		

Say 2.000 No @ Rs 2884326.68 / No  Rs 5768653.36  2 od55074/2020 2021  Supply of additional cable beyond the initial supply of 10Mtr. Additional requirement from panel board to starter and from starter to motor  1 25.000  Total Deducted Quantity 25.000 metre  Net Total Quantity 25.000 metre  Say 25.000 metre @ Rs 1104.00 / metre  Rs 27600.00  3 od55075/2020_2021  Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as perstandards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 20.000 metre  Say 20.000 metre @ Rs 1104,00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an aramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil					T		<u>~</u>				
2 od55074/2020_2021 Supply of additional cable beyond the initial supply of 10Mtr. Additional requirement from panel board to starter and from starter to motor  1 25.000  Total Quantity 25.000 metre  Total Deducted Quantity 25.000 metre  Net Total Quantity 25.000 metre  Say 25.000 metre © Rs 1104.00 / metre  Rs 27600.00  3 od55075/2020_2021 Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as perstandards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 20.000 metre  Total Deducted Quantity 20.000 metre  Say 20.000 metre © Rs 1104,00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an aramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data to trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil							<u>~</u>				
Supply of additional cable beyond the initial supply of 10Mtr. Additional requirement from panel board to starter and from starter to motor  1 25.000  Total Quantity 25.000 metre  Total Deducted Quantity 0.000 metre  Net Total Quantity 25.000 metre  Say 25.000 metre  Rs 27600.00  3 od55075/2020_2021  Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as pere standards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 0.000 metre  Total Deducted Quantity 0.000 metre  Say 20.000 metre Rs 1104,00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data in the content of the properties of the content				Sa	ay 2.000 No	@ Rs 2884	326.68 / No	Rs 576	8653.36		
Total Quantity  Total Deducted Quantity  Net Total Quantity  Say 25.000 metre  Res 27600.00  Say 25.000 metre @ Rs 1104.00 / metre  Say 25.000 metre @ Rs 1104.00 / metre  Res 27600.00  3 od55075/2020_2021  Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as perstandards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 20.000 metre  Say 20.000 metre @ Rs 1104.00 / metre @ Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data for the say of th	2	Supply of additional ca	•	the initial su	upply of 10M	ltr. Addition	al requireme	ent from pai	nel board to		
Total Deducted Quantity 0.000 metre    Net Total Quantity   25.000 metre			1	25.000				25.000			
Net Total Quantity 25.000 metre  Say 25.000 metre ® Rs 1104.00 / metre  Rs 27600.00  3 od55075/2020_2021  Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as per standards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 0.000 metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000  Total Quantity 15.000 cum  Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil						To	otal Quantity	25.000 me	tre		
Say 25.000 metre @ Rs 1104.00 / metre  Say 25.000 metre @ Rs 1104.00 / metre  Rs 27600.00  od55075/2020_2021  Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as perstandards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000  Total Quantity 20.000 metre  Total Deducted Quantity 20.000 metre  Say 20.000 metre @ Rs 1104.00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an aramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed dates and the complete of the compl					Т	otal Deduct	ted Quantity	0.000 metr	е		
Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as per standards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000		Net Total Quantity 25.000 metre									
Supply of suitable size PVC insulated, sheathed, armoured copper conductor cable conforming to relevant IS code, for giving power connections to main switchboard to panel board etc. complete as per standards including end termination materials as per IE rules. The supply shall be limited to the actual requirement.  1 20.000 20.000 20.000 20.000 metre  Total Deducted Quantity 20.000 metre  Kerala Water Authori Net Total Quantity 20.000 metre  Say 20.000 metre @ Rs 1104,00 / metre Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 cum  Total Quantity 15.000 cum  Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil				Say 2	25.000 metre	@ Rs 110	4.00 / metre	Rs 27	600.00		
Total Quantity 20.000 metre  Total Deducted Quantity 0.000 metre  Kerala Water Author Net Total Quantity 20.000 metre  Say 20.000 metre ® Rs 1104.00 / metre Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 Total Quantity 15.000 cum  Total Deducted Quantity 15.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum ® Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil		relevant IS code, for gi	ving power	connections	s to main sw	ritchboard to	o panel boa	rd etc. com	olete as pe		
Total Deducted Quantity 0.000 metre  Kerala Water Authori Net Total Quantity 20.000 metre  Say 20.000 metre ® Rs 1104,00 / metre Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 Total Quantity 15.000 cum  Total Quantity 15.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum ® Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil			1	20.000			de la	20.000			
Say 20.000 metre @ Rs 1104.00 / metre  Say 20.000 metre @ Rs 1104.00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000  Total Quantity 15.000 cum  Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil			20.000 me	etre							
Say 20.000 metre @ Rs 1104.00 / metre  Rs 22080.00  4 od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 Total Quantity 15.000 cum  Total Quantity 15.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil											
od55076/2020_2021  Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 Total Quantity 15.000 cum  Total Deducted Quantity 15.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil		Karala Watar Authority									
trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 Total Quantity 15.000 cum  Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil	4	od55076/2020_2021	PJ	Say 2	20.000 metre	e @ Rs 1104	4.00 / metre	Rs 22	080.08		
ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data 1 4.000 2.500 1.500 15.000 15.000 Total Quantity 15.000 cum  Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundatio trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil			-		· -						
Total Quantity 15.000 cum  Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil		trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All classes of soil (Rate as per DSR Observed data)									
Total Deducted Quantity 0.000 cum  Net Total Quantity 15.000 cum  Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides an ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil			1	4.000	2.500	1.500		15.000			
Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  5 2.8.1 Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil						To	otal Quantity	15.000 cui	m		
Say 15.000 cum @ Rs 425.54 / cum Rs 6383.10  2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil					Т	otal Deduct	ted Quantity	0.000 cum			
5 2.8.1  Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil						Net To	otal Quantity	15.000 cun	n		
Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplu excavated soil as directed, within a lead of 50 m.All kinds of soil				S	Say 15.000 c	um @ Rs 4	25.54 / cum	Rs 63	883.10		
	5	Earth work in excavat trenches or drains (no ramming of bottoms, I	t exceeding	g 1.5 m in w i m, includir	vidth or 10 s	qm on plar ut the exca	n), including	dressing o	f sides an		
		and and						15 000			

		Total Quantity							
	Total Deducted Quantity						0.000 cum		
		Net Total Quantity         15.000 cum           Say 15.000 cum @ Rs 309.95 / cum         Rs 4649.25						n	
								649.25	
6	od55077/2020_2021 Providing 350mm surge arrestor having test pressure 45Kg/cm2 to the clear water pumping mai including cost of specials such as 2 Nos. Tail piece, 2 Nos. Mechanical joints, cutting the existing DI pip inserting surge arrestor, jointing with flanged joints etc. including cost of surge arrestor.(Rate as per DS Observed data)								
		1					1.000		
			- 12		To	otal Quantity	1.000 No		
	Total Deducted Quantity						0.000 No		
	Net Total Quantity						1.000 No		
7	Say 1.000 No @ Rs 600000.00 / No Rs 600000.00  od55078/2020_2021  Cement concrete 1:2:4 using 20mm nominay size metal for anchore block including charges of form wor and labour charges etc. complete ( Rate as per DSR observed data)								
		1	4.000	2.500	0.500		5.000		
	Total Quantity					5.000 cum			
	Kerala Water Authority 0.000								
		DI					/ 5.000 cum		
			5	Say 5.000 ci	um/@ Rs 89	41.83 / cum	Rs 44	709.15	
8	od55079/2020_2021 Providing air cushion valve of diameter - 200mm & test pressure 45 Kg/cm2 with flanged ends includi all cost of materials such as 200mm air cushion valve - 1 No., 200mm D/F CI sluice valve - 1 No. etc a all labour charges for fitting the same in position as directed by the departmental officers.(Rate as p DSR Observed data)								
	DSR Observed data)	_	ame in posi	tion as dire	cted by the	department	al officers.(		
	DSR Observed data)	_	ame in posi	tion as dire	cted by the	department	al officers.(l		
	DSR Observed data)	)	ame in posi	tion as dire	,	department	1.000		
	DSR Observed data)	)	ame in posi		To		1.000 1.000 No		
	DSR Observed data)	)	ame in posi		Total Deduc	otal Quantity	1.000 1.000 No 0.000 No		
	DSR Observed data)	)		-	Total Deduc	otal Quantity	1.000 1.000 No 0.000 No 1.000 No		
9	od55080/2020_2021 Constructing RCC vaincluding all cost of rofficers. (Rate as per	1 alve chambe	r of size 2.5	Say 1.000 N	Total Deduction Net Total Office Rs 409	otal Quantity ted Quantity otal Quantity 0500.00 / No	1.000 1.000 No 0.000 No 1.000 No Rs 409	Pate as possible a	

	Total Quant	ity 1.000 No					
	Total Deducted Quant	0.000 No					
	Net Total Quant	ity 1.000 No					
	Say 1.000 No @ Rs 63841.00 / I	o Rs 63841.00					
10	od55081/2020_2021 STATUTORY APPROVAL FROM KSEB						
	STATUTORT APPROVAL PROWINGED						
	1	1.000					
	Total Quant	ity 1.000 No					
	Total Deducted Quant	0.000 No					
	Net Total Quant	ity 1.000 No					
	Say 1.000 No @ Rs 25000.00 / I	No Rs 25000.00					
	То	tal <b>53654910.55</b>					
	Centage	@ 0.0%					
	Centage Amou	ınt <b>0.00</b>					
	Provision for GST payments (in %) @  Amount reserved for GST payments  Total & Centage  Kerala Water Auth Lumpsum for round off						
	GRAND TOTAL	Rs 63320000.00					
	Rounded Grand Total Rs 6,33,20,0						
	Rupees Six Crore Thirty Three Laki	Twenty Thousand Only					