TS Register No: 2092/2019-2020 AS Register No:2193/2019-2020

UP GRADATION OF GOVT ITI KANNUR ON PAR WITH INTERNATIONAL STANDARDS-PHASE 1- REV 4 ANNEXURE 2 : ELECTRICAL, ELV, HVAC AND FIRE PROTECTION WORK

Detailed Estimate

(Dsor year: 2016, Cost Index Applied for this estimate is 32.04%)

SI No	Description	No	L	В	D	CF	Quantity	Remark
	1 MAIN	BUILDING	GROUND	FLOOR ELE	ECTRICAL	WORKS		
1	od134264/2019_2020 Supply of 240 sqmm 3 working voltages up to a XLPE							
	From New MSB to Existing panel	1	8.000				8.000	
	From New MSB to Main panel (New)	1	135.000	DA	1		135.000	
					Tot	al Quantity	143.000 m	netre
		TUE		To	otal Deducte	ed Quantity	0.000 met	re
			Bai	a mile	Net Tot	al Quantity	143.000 m	netre
2	od134265/2019_2020 Supply of 120 sqmm 3 working voltages up to a		VC/XLPE ir		moured cab	ole with alu	minium con	
2	Supply of 120 sqmm 3		VC/XLPE ir	nsulated arr	moured cab	ole with alu	minium con	ductors
2	Supply of 120 sqmm 3 working voltages up to a	and includi	VC/XLPE in ng 1100 volt	nsulated arr	moured cab g IS 1584/p	ole with alu	minium con or PVC IS 70	ductors 98 part I
2	Supply of 120 sqmm 3 working voltages up to a	and includi	VC/XLPE in ng 1100 volt	nsulated arr	moured cab g IS 1584/p	ole with alu art I/1988 fo al Quantity	minium con or PVC IS 709 45.000	ductors 98 part I etre
2	Supply of 120 sqmm 3 working voltages up to a	and includi	VC/XLPE in ng 1100 volt	nsulated arr	moured cab g IS 1584/p Tot otal Deducte	ole with alu art I/1988 fo al Quantity	45.000 me	ductors 98 part I etre re
2	Supply of 120 sqmm 3 working voltages up to a	and includi	VC/XLPE ir ng 1100 volt: 45.000	nsulated arr	moured cab g IS 1584/p Tot otal Deducte Net Tot	ole with alu art I/1988 for al Quantity ad Quantity	45.000 met 45.000 met	ductors 98 part I etre re
3	Supply of 120 sqmm 3 working voltages up to a	and including 1	VC/XLPE iring 1100 volts 45.000 Say 4:	To 5.000 metre	Toto Net Toto @ Rs 640.	al Quantity al Quantity al Quantity al Quantity al Quantity and All Quantity al Quantity	45.000 met 45.000 met 45.000 met 45.000 conductors	ductors 98 part I etre re 800.00
	Supply of 120 sqmm 3 working voltages up to a XLPE od134266/2019_2020 Supply of 70 sqmm 3.5	and including 1	VC/XLPE iring 1100 volts 45.000 Say 4:	To 5.000 metre	Toto Net Toto @ Rs 640.	al Quantity al Quantity al Quantity al Quantity al Quantity and All Quantity al Quantity	45.000 met 45.000 met 45.000 met 45.000 conductors	ductors 98 part I etre re 800.00
	Supply of 120 sqmm 3 working voltages up to a XLPE od134266/2019_2020 Supply of 70 sqmm 3.5	and including 1	VC/XLPE ir ng 1100 volts 45.000 Say 4: XLPE insula volts conform	To 5.000 metre	Total Deducter Net Total Rs 640.	al Quantity al Quantity al Quantity al Quantity al Quantity and All Quantity al Quantity	45.000 met 45.000 met 45.000 met 70.000 met	ductors 98 part I etre re etre 800.00 for work for XLP
	Supply of 120 sqmm 3 working voltages up to a XLPE od134266/2019_2020 Supply of 70 sqmm 3.5	and including 1	VC/XLPE ir ng 1100 volts 45.000 Say 4: XLPE insula volts conform	To 5.000 metre ted armoure ming IS 158	Total Deducter Net Total Rs 640.	al Quantity al Quantity al Quantity al Quantity al Quantity be all Quantity al Quantity	45.000 met 45.000 met 45.000 met 45.000 met 45.000 met 45.000 met 50.000	ductors 98 part I etre re 800.00 for work for XLP

			Say 50	0.000 metre	@ Rs 413.0	00 / metre	Rs 20	0650.00	
4	od134267/2019_2020 Supply of 25 sqmm 4								
	voltages up to and inc	1 100	30.000	ming 15 158	84/part 1/198	88 for PVC	30.000	T I for XLP	
		<u>'</u>	30.000		Tota	al Quantity	30.000 m	etre	
				To	otal Deducte		0.000 me		
						al Quantity	30.000 m	etre	
			Say 30	0.000 metre	@ Rs 202.0	00 / metre	Rs 6	060.00	
5	od134268/2019_2020 Supply of 10 sqmm 4 voltages up to and incl								
		1	125.000				125.000		
		1	37 3	K X	Tota	al Quantity	125.000 r	metre	
		1/		To	otal Deducte	d Quantity	0.000 me	tre	
					Net Tota	al Ouantity	125.000 r	netre	
		471	LK (A)	Net Total Quantity Say 125.000 metre @ Rs 118.00 / metre					
6	9.1.25		Mary Street	30 01 EZ/	@ Rs 118.0	00 / metre	Rs 14	1750.00	
6	9.1.25 Supplying and making size of PVC insulated required.3 1/2 X 120	d and PVC	nation with b	rass compr	@ Rs 118.0	00 / metre	Rs 14	1750.00	
6	Supplying and making size of PVC insulated	d and PVC sq. mm (4	nation with b	rass compr	ession gland	00 / metre	Rs 14 inium lugs to	for following V grade a	
6	Supplying and making size of PVC insulated	d and PVC sq. mm (4	nation with b	rass compr XLPE alur	ession gland	d and alumiductor cab	Rs 14 inium lugs to the of 1.1 K 2.000	for following y grade a	
6	Supplying and making size of PVC insulated	d and PVC sq. mm (4	nation with b	rass compr XLPE alur	ession gland minium con Total	d and alumiductor cab	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set	for following y grade a	
6	Supplying and making size of PVC insulated	d and PVC sq. mm (4	nation with b	rass compr XLPE alur To	ession gland minium con Total	d and alumiductor cab	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set	for following V grade a	
7	Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC	nation with b sheathed / 5mm) nation with b sheathed /	rass comprise To	ession glanders and the set @ Rs 66 ession glanders and the set @	d and alumiductor cab al Quantity d Quantity al Quantity 0.20 / set	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1	i750.00 For following V grade at a second s	
	Supplying and making size of PVC insulated required.3 1/2 X 120 9.1.29 Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC	nation with b sheathed / 5mm) nation with b sheathed /	rass comprise To	ession glanders and the set @ Rs 66 ession glanders and the set @	d and alumiductor cab al Quantity d Quantity al Quantity 0.20 / set	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1	i750.00 For following V grade at a second s	
	Supplying and making size of PVC insulated required.3 1/2 X 120 9.1.29 Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC sq. mm (62	nation with b sheathed / 5mm) nation with b sheathed /	rass comprise To	ession gland minium con Total Deducte Net Total set @ Rs 66 ession gland minium con	d and alumiductor cab al Quantity d Quantity al Quantity 0.20 / set	Rs 14 inium lugs file of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1 inium lugs file of 1.1 K	320.40 for following the second seco	
	Supplying and making size of PVC insulated required.3 1/2 X 120 9.1.29 Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC sq. mm (62	nation with b sheathed / 5mm) nation with b sheathed /	rass comprixLPE alur Say 2.000 : rass comprixLPE alur	ession gland minium con Total Deducte Net Total set @ Rs 66 ession gland minium con	d and alumiductor cab al Quantity d Quantity al Quantity d and alumiductor cab	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1 inium lugs 1 le of 1.1 K	320.40 for following the second seco	
	Supplying and making size of PVC insulated required.3 1/2 X 120 9.1.29 Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC sq. mm (62	nation with b sheathed / 5mm) nation with b sheathed /	rass comprixLPE alur Say 2.000 : rass comprixLPE alur	ession gland minium con Total Deducte Net Total set @ Rs 66 ession gland minium con Total	d and alumiductor cab al Quantity d Quantity al Quantity d and alumiductor cab	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1 inium lugs 1 le of 1.1 K	320.40 For following the second seco	
	Supplying and making size of PVC insulated required.3 1/2 X 120 9.1.29 Supplying and making size of PVC insulated	d and PVC sq. mm (4 2 g end termind and PVC sq. mm (62	nation with b sheathed /	rass comprixLPE alur Say 2.000 : rass comprixLPE alur	ession gland minium con Total Deducte Net Total set @ Rs 66 ession gland minium con Total	d and alumiductor cab al Quantity d Quantity 0.20 / set d and alumiductor cab al Quantity d Quantity d Quantity	Rs 14 inium lugs 1 le of 1.1 K 2.000 2.000 set 0.000 set 2.000 set Rs 1 inium lugs 1 le of 1.1 K 4.000 4.000 set 0.000 set 4.000 set	320.40 For following the second seco	

	required.4 X 10 sq. m	nm (25mm)	T		T		I	
		14					14.000	
					Tota	al Quantity	14.000 s	et
				To	otal Deducte	d Quantity	0.000 se	t
					Net Tota	al Quantity	14.000 s	et
				Say 14.000	set @ Rs 26	8.04 / set	Rs :	3752.56
9	9.1.23 Supplying and making size of PVC insulated required.3 1/2X 70 sc	I and PVC դ. mm (38ո	sheathed	•	•		le of 1.1 k	
		4					4.000	
		1	3/2 9	N X	Tota	al Quantity	4.000 se	t
		()		To	otal Deducte	d Quantity	0.000 se	t
		18	100		Net Tota	al Quantity	4.000 se	t
10	9.1.34 Supplying and making size of PVC insulated	and PVC	sheathed	orass compr		d and alumi	inium lugs	
10	Supplying and making	and PVC	sheathed	orass compr	ession gland	d and alumi	inium lugs le of 1.1 k	for follow
10	Supplying and making size of PVC insulated	and PVC nm (28mm)	sheathed	orass compr	ession gland minium con Tota	d and alumiductor cab	inium lugs le of 1.1 k 4.000 4.000 se	for follow (V grade
10	Supplying and making size of PVC insulated	and PVC nm (28mm)	sheathed	orass compr	ession gland minium con Tota otal Deducted	d and alumiductor cab	4.000 4.000 se	for follow (V grade t
10	Supplying and making size of PVC insulated	and PVC nm (28mm)	sheathed	orass compro/XLPE alur	ession gland minium con Tota otal Deducted Net Tota	d and alumiductor cab	4.000 se 4.000 se 4.000 se	for follow (V grade t t
	Supplying and making size of PVC insulated required.4 X 25 sq. m	and PVC nm (28mm)	sheathed	orass compro/XLPE alur	ession gland minium con Tota otal Deducted	d and alumiductor cab	4.000 se 4.000 se	for follow CV grade t
11	Supplying and making size of PVC insulated	end termin	ation with be	Say 4.000	Total Deducted Set @ Rs 34	d and alumiductor cab al Quantity d Quantity al Quantity 0.66 / set	4.000 se 4.000 se 4.000 se Rs	for follow (V grade t t t tage for follow
	Supplying and making size of PVC insulated required.4 X 25 sq. m 9.1.8 Supplying and making size of PVC insulated	end termin	ation with be	Say 4.000	Total Deducted Set @ Rs 34	d and alumiductor cab al Quantity d Quantity al Quantity 0.66 / set	4.000 se 4.000 se 4.000 se Rs	for follow (V grade t t t t for follow
	Supplying and making size of PVC insulated required.4 X 25 sq. m 9.1.8 Supplying and making size of PVC insulated	end termin and PVC	ation with be	Say 4.000	Total Deducted Net Total Set @ Rs 34	d and alumiductor cab al Quantity d Quantity al Quantity 0.66 / set	4.000 se 4.000 se 4.000 se 4.000 se Rs 4.000 se Inium lugs	for follow (V grade t t t for follow (V grade
	Supplying and making size of PVC insulated required.4 X 25 sq. m 9.1.8 Supplying and making size of PVC insulated	end termin and PVC	ation with be	Say 4.000 sorass compre	Total Deducted Net Total Set @ Rs 34	d and alumiductor cab al Quantity d Quantity al Quantity 0.66 / set d and alumiductor cab	4.000 se 4.000 se 4.000 se Rs 7	for follow (V grade t t t t tot (V grade) (V grade) (V grade)
	Supplying and making size of PVC insulated required.4 X 25 sq. m 9.1.8 Supplying and making size of PVC insulated	end termin and PVC	ation with be	Say 4.000 sorass compre	Total Deducted Set @ Rs 34 ession gland minium conditional deducted total Deducted total Deducted total Deducted total Deducted total Deducted total Deducted	d and alumiductor cab al Quantity d Quantity al Quantity 0.66 / set d and alumiductor cab	4.000 se 4.000 se 4.000 se Rs 7 inium lugs le of 1.1 k 2.000 2.000 se	for follow (V grade t t t t tot (V grade) t t t t t t t t t t t t t t t t t t t
	Supplying and making size of PVC insulated required.4 X 25 sq. m 9.1.8 Supplying and making size of PVC insulated	end termin and PVC	ation with be	Say 4.000 :	Total Deducted Set @ Rs 34 ession gland minium conditional deducted total Deducted total Deducted total Deducted total Deducted total Deducted total Deducted	d and alumiductor cab al Quantity d Quantity 0.66 / set d and alumiductor cab al Quantity d Quantity	4.000 4.000 se 0.000 se 4.000 se 1.1 h 2.000 2.000 se 0.000 se 2.000 se	for follow (V grade t t t t tot (V grade) t t t t t t t t t t t t t t t t t t t

	as required.Above 9	5 sq. mm and	upto 185 sq. m	ım			1	
		1	35.000				35.000	
					Tota	al Quantity	35.000 m	etre
				То	tal Deducte	d Quantity	0.000 me	tre
					Net Tota	al Quantity	35.000 m	etre
			Say 35.0	00 metre	@ Rs 294.4	15 / metre	Rs 10	0305.75
13	7.1.4 Laying of one number size direct in ground as required. Above 1	including exc	avation, sand co	ushioning	•		_	
		1	115.000	600			115.000	
			74 60	SI	Tota	al Quantity	115.000 r	metre
		16		То	tal Deducte	d Quantity	0.000 me	tre
		16	DANGE		Net Tota	al Quantity	115.000 r	metre
		16/45	Say 115.0	00 metre	@ Rs 327.4	16 / metre	Rs 37	7657.90
		one number P	VC insulated an	nd PVC s	heathed / X	I PF nower	cable of 1.1	K\/arad
	following size on wal	0 1	VC insulated ar equired.Upto 35		(clamped wi	th 1mm thic	55.000	
	, ,	I surface as re		sq. mm	(clamped wi	th 1mm thic	55.000 m	etre
	, ,	I surface as re		sq. mm	(clamped wind total Deducte	th 1mm thic al Quantity d Quantity	55.000 m 0.000 me	etre
	, ,	I surface as re	equired.Upto 35	sq. mm	(clamped wind total Deducte	th 1mm thic al Quantity d Quantity al Quantity	55.000 m 0.000 me 55.000 m	etre
15	, ,	55 one number P	Say 55.	To 000 metro	Total Deducte Net Total e @ Rs 33.0	th 1mm thic al Quantity d Quantity al Quantity 01 / metre	55.000 m 0.000 me 55.000 m Rs 1	etre etre etre 815.55
15	7.7.2 Laying and fixing of of following size on war	55 one number P	Say 55.	To 000 metro	Total Deducte Net Total e @ Rs 33.0	th 1mm thic al Quantity d Quantity al Quantity 01 / metre	55.000 m 0.000 me 55.000 m Rs 1	etre etre etre 815.55
15	7.7.2 Laying and fixing of of following size on war	55 one number P	Say 55.	To 000 metro	Total Deducte Net Total e @ Rs 33.0 heathed / X m and upto	th 1mm thic al Quantity d Quantity al Quantity 01 / metre	55.000 m 55.000 m 0.000 me 55.000 m Rs 1 cable of 1.1 (clamped w	netre etre 815.55 KVgrad vith 25x3
15	7.7.2 Laying and fixing of of following size on war	55 one number P	Say 55.	To 000 metro nd PVC s 35 sq. mi	Total Deducte Net Total e @ Rs 33.0 heathed / X m and upto	th 1mm thic al Quantity d Quantity al Quantity 01 / metre LPE power 95 sq. mm	55.000 m 0.000 me 55.000 m 755.000 m 55.000 m 655.000 m 78s 1 1 cable of 1.1 1 (clamped w	netre etre 815.55 KVgrad vith 25x3
15	7.7.2 Laying and fixing of of following size on war	55 one number P	Say 55.	To 000 metro nd PVC s 35 sq. mi	Total Deducte Net Total e @ Rs 33.0 heathed / X m and upto Total stal Deducte	th 1mm thic al Quantity d Quantity al Quantity 01 / metre LPE power 95 sq. mm	55.000 m 0.000 me 55.000 m 755.000 m 55.000 m 655.000 m 78s 1 1 cable of 1.1 (clamped w 40.000 m	netre etre 815.55 KVgrad vith 25x3

		10					10.000	
				•	Tota	I Quantity	10.000 m	etre
				Total	l Deducted	d Quantity	0.000 met	tre
					Net Tota	I Quantity	10.000 m	etre
			Say 10	.000 metre @	Rs 110.9	1 / metre	Rs 1	109.10
17	7.7.4 Laying and fixing of or following size on wa 40x3mm MS flat clar	II surface a				•		_
		1	14.000				14.000	
			C-0 11	18.30	Tota	l Quantity	14.000 m	etre
				Total	l Deducted	d Quantity	0.000 met	tre
		(k.		20/214	Net Tota	I Quantity	14.000 m	etre
		15	Say 14	.000 metre @	Rs 158.4	5 / metre	Rs 22	218.30
	following size on cable	e tray as req			nisatio		60.000 m	etre
				Total	Deducted	d Quantity	0.000 met	
				Total	Doddoloc		0.000 1116	tre
				Total		l Quantity	60.000 me	
			Say 6	0.000 metre (Net Tota	l Quantity	60.000 m	
19	7.8.4 Laying and fixing of or following size on cable MS flat clamp)		VC insulated	0.000 metre @	Net Tota © Rs 27.7 eathed / XL	I Quantity 3 / metre	60.000 mo	etre 663.80 KVgrad
19	Laying and fixing of or following size on cable		VC insulated	0.000 metre @	Net Tota © Rs 27.7 eathed / XL	I Quantity 3 / metre	60.000 mo	etre 663.80 KVgrad
19	Laying and fixing of or following size on cable	e tray as rec	VC insulated juired.Above 1	0.000 metre @	Net Tota @ Rs 27.7 eathed / XL and upto 46	I Quantity 3 / metre	60.000 me Rs 10 cable of 1.1 (clamped w	etre 663.80 KVgrad ith 40x3
19	Laying and fixing of or following size on cable	e tray as rec	VC insulated juired.Above 1	0.000 metre @ and PVC she	Net Tota @ Rs 27.7 eathed / XL and upto 46	I Quantity 3 / metre PE power 00 sq. mm	cable of 1.1 (clamped w	etre 663.80 KVgrad ith 40x3
19	Laying and fixing of or following size on cable	e tray as rec	VC insulated juired.Above 1	0.000 metre @ and PVC she	Net Tota Rs 27.7 eathed / XL and upto 46 Tota I Deducted	I Quantity 3 / metre PE power 00 sq. mm	60.000 me Rs 10 cable of 1.1 (clamped w 20.000 20.000 me	KVgrad ith 40x3
19	Laying and fixing of or following size on cable	e tray as rec	PVC insulated quired.Above 1	0.000 metre @ and PVC she	Net Tota @ Rs 27.7 eathed / XL and upto 4 Tota I Deducted Net Tota	I Quantity 3 / metre PE power 00 sq. mm I Quantity d Quantity I Quantity	60.000 me Rs 10 cable of 1.1 (clamped w 20.000 20.000 me 20.000 me	KVgrad ith 40x3

	1.6 mm thickness	4	45,000				45,000	
		1	45.000		T	1 0	45.000	
						al Quantity	45.000 m	
				To	otal Deducte		0.000 me	
					Net Tota	al Quantity	45.000 m	netre
			Say 4	5.000 metre	@ Rs 607.3	38 / metre	Rs 2	7332.10
	Supplying and installing than 17.5%, in conversuspenders including but 1.6 mm thickness	nient sect	ions, joined	with conne	ctors, susp	ended fron	n the ceilir	ng with N
		1	45.000				45.000	
			047 9	W V	Tota	al Quantity	45.000 m	netre
		11		To	otal Deducte	d Quantity	0.000 me	etre
		NA	TDE		Net Tota	al Quantity	45.000 m	netre
22	14.14.2 Providing, laying and fi		ving dia RC0		class (light	duty) in gro	und comple	
22		ment mor	wing dia RC0 tag1:2 (10ce	C pipe NP2	class (light	duty) in gro	und comple	ete withF
22	Providing, laying and f collars, jointing with ce	ement mor d.150 mm	ving dia RC0 tag1:2 (1 ce dia	C pipe NP2	class (light e sand) incl	duty) in gro	und comple ching (75 cr	ete withF m deep)
22	Providing, laying and f collars, jointing with ce	ement mor d.150 mm	ving dia RC0 tag1:2 (1 ce dia	C pipe NP2	class (light e sand) incl	duty) in gro uding trenc al Quantity	und complething (75 cr	ete withF m deep) netre
22	Providing, laying and f collars, jointing with ce	ement mor d.150 mm	ving dia RC0 tag1:2 (1 ce dia	C pipe NP2	class (light e sand) incl Tota	duty) in gro uding trenc al Quantity	20.000 m	ete withF m deep) netre
22	Providing, laying and f collars, jointing with ce	ement mor d.150 mm	ving dia RC0 tag 1:2 (1 ce dia 20.000	C pipe NP2	class (light e sand) incl Total Deducte	duty) in grouding trend al Quantity d Quantity	20.000 me 20.000 m	ete withF m deep) netre
22	Providing, laying and f collars, jointing with ce	th plate 60 n cover pla	ving dia RC0 tar 1:2 (1 ce dia 20.000 Say 2 00 mm X 600 ate having loc	C pipe NP2 ment : 2 fin To	Total Deducte Net Total @ Rs 534.	duty) in grouding trendal Quantity al Quantity 76 / metre	20.000 m 20.000 m 20.000 m 20.000 m	netre netre netre netre
	Providing, laying and ficollars, jointing with cerefilling etc as required 5.4 Earthing with G.I. eart masonry enclosure with	th plate 60 n cover pla	ving dia RC0 tar 1:2 (1 ce dia 20.000 Say 2 00 mm X 600 ate having loc	C pipe NP2 ment : 2 fin To	Total Deducte Net Total @ Rs 534.	duty) in grouding trendal Quantity al Quantity 76 / metre	20.000 m 20.000 m 20.000 m 20.000 m	netre netre netre netre
	Providing, laying and ficollars, jointing with cerefilling etc as required 5.4 Earthing with G.I. eart masonry enclosure with	th plate 60 cover plated salt as re	ving dia RC0 tar 1:2 (1 ce dia 20.000 Say 2 00 mm X 600 ate having loc	C pipe NP2 ment : 2 fin To	class (light of sand) included and sand) included and sand included and sand included and sand sand sand sand sand sand sand	duty) in grouding trendal Quantity al Quantity 76 / metre	20.000 me 20.000 me Rs 1	netre netre netre netre netre netre netre
	Providing, laying and ficollars, jointing with cerefilling etc as required 5.4 Earthing with G.I. eart masonry enclosure with	th plate 60 cover plated salt as re	ving dia RC0 tar 1:2 (1 ce dia 20.000 Say 2 00 mm X 600 ate having loc	C pipe NP2 ment : 2 fin To 20.000 metre 0 mm X 6 n cking arrang	class (light of sand) included and sand) included and sand included and sand included and sand sand sand sand sand sand sand	duty) in grouding trendal Quantity d Quantity d Quantity of / metre cluding accordance watering pipel	20.000 me 20.000	netre netre netre netre netre netre netre netre nofo5.20
	Providing, laying and ficollars, jointing with cerefilling etc as required 5.4 Earthing with G.I. eart masonry enclosure with	th plate 60 cover plated salt as re	ving dia RC0 tar 1:2 (1 ce dia 20.000 Say 2 00 mm X 600 ate having loc	C pipe NP2 ment : 2 fin To 20.000 metre 0 mm X 6 n cking arrang	Total Deducte Res 534.7 mm thick included and a contain the contained and a	duty) in grouding trendal Quantity d Quantity d Quantity of / metre cluding accordance watering pipel	20.000 me 20.000	netre netre netre netre netre netre netre nofo5.20

		1	40.000				40.000	
					Tot	al Quantity	40.000 m	etre
				To	otal Deducte	ed Quantity	0.000 me	tre
					Net Tot	al Quantity	40.000 m	etre
			Say 4	0.000 metre	@ Rs 542.	73 / metre	Rs 21	709.20
25	od134402/2019_2020 Supplying and layi earth electrode, required. (Jointing spaced at 50mm)	ng 25 mm including	connection	/ terminati	ng with n	ut, bolt, sp	ring, wash	ner etc.
		1	40.000	163			40.000	
			C. D. S.		Tot	al Quantity	40.000 m	etre
		1	JF 3	To	otal Deducte	ed Quantity	0.000 me	tre
		(k		30/2	Net Tot	al Quantity	40.000 m	etre
		155	Say 4	0.000 metre	@ Rs 406.	73 / metre	Rs 16	269.20
26	90.16.1.3 Supply and drawing b connection as require	-			-	along with w	riring/ cables	s and giv
26	Supply and drawing b	-		ictor (10 S\	wg) anisatio	ns	240.000	
26	Supply and drawing b	d3.15 mm c	opper condu	ng Orga	wg) anisatio	ns al Quantity		netre
26	Supply and drawing b	d3.15 mm c	opper condu	ng Orga	WG) Tototal Deducte	ns al Quantity	240.000 240.000 r	netre tre
26	Supply and drawing b	d3.15 mm c	240.000	ng Orga	Tototal Deducte	al Quantity ed Quantity al Quantity	240.000 r 240.000 me 240.000 r	netre
27	Supply and drawing b	on of sheet sopper /brass vall using sui	Say 2 steel, phosp bus bar, ne	tector (10 SN ng Orga 40.000 metr hatised and eutral link, e r bolts or fix	Total Deducte Net Total e @ Rs 56. d painted, carth bus are	al Quantity ed Quantity al Quantity 88 / metre lust and ver	240.000 r 0.000 me 240.000 r Rs 13 min proof esuitable for sutting hole	netre tre netre 651.20 enclosure fixing MC on the wa
	90.11.1.11 Supply and installation MCB DB including colisolator etc. fixed on with making good the dam	on of sheet sopper /brass vall using sui	Say 2 steel, phosp bus bar, ne	tector (10 SN ng Orga 40.000 metr hatised and eutral link, e r bolts or fix	Total Deducte Net Total e @ Rs 56. d painted, carth bus are	al Quantity ed Quantity al Quantity 88 / metre lust and ver	240.000 r 0.000 me 240.000 r Rs 13 min proof esuitable for sutting hole	netre tre netre 651.20 enclosure fixing MC on the wa
	90.11.1.11 Supply and installation MCB DB including colisolator etc. fixed on with making good the dam	on of sheet sopper /brass vall using suitages, colour	Say 2 steel, phosp bus bar, ne	tector (10 SN ng Orga 40.000 metr hatised and eutral link, e r bolts or fix	Total Deducte Net Total Pe @ Rs 56. If painted, carth bus ared in recessed 6 way (8-	al Quantity ed Quantity al Quantity 88 / metre lust and ver	240.000 r 0.000 me 240.000 r Rs 13	netre tre netre 6651.20 enclosure fixing MC on the wa
	90.11.1.11 Supply and installation MCB DB including colisolator etc. fixed on with making good the dam	on of sheet sopper /brass vall using suitages, colour	Say 2 steel, phosp bus bar, ne	40.000 metro hatised and eutral link, e r bolts or fix c. as require	Totoltal Deducte Net Totoltal Deducte Re @ Rs 56. If painted, coarth bus ared in recessed 6 way (8-	al Quantity ed Quantity al Quantity 88 / metre lust and ver nd DIN rail s s including of 18) - three	240.000 r 0.000 me 240.000 r Rs 13 min proof esuitable for cutting hole phase doub	netre tre netre 6651.20 enclosure fixing MC on the wa
	90.11.1.11 Supply and installation MCB DB including colisolator etc. fixed on with making good the dam	on of sheet sopper /brass vall using suitages, colour	Say 2 steel, phosp bus bar, ne	40.000 metro hatised and eutral link, e r bolts or fix c. as require	Totological Deductors Net Totological Deductors Re @ Rs 56. I painted, contact bus an ed in recess ed6 way (8- Totological Deductors	al Quantity ed Quantity al Quantity 88 / metre lust and ver nd DIN rail s s including of 18) - three	240.000 r 0.000 me 240.000 r Rs 13 min proof esuitable for cutting hole phase doub 4.000 4.000 eac	netre tre netre 651.20 enclosure fixing MC on the wa le cover

page 7

	MCB DB including of isolator etc. fixed on making good the dar 42/43)	wall using sui	table ancho	r bolts or fixe	ed in recess	s including o	cutting hole	on the wa
		1					1.000	
		<u> </u>			Tota	al Quantity	1.000 eac	h
				То	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
		Say 1.000 each @ Rs 4729.54 / each						
	MCB DB including of isolator etc. fixed on making good the dar with provision for fix 42/43)	wall using sui nages, colour	table ancho washing et	or bolts or fixe c. as require	ed in recess d4 way (8+	s including o 12) - double	cutting hole of cover TPN	on the ware
		(21)			والوساد	5	1.000	
		400			Tota	al Quantity	1.000 eac	h
			A Barrier	То	tal Deducte	d Quantity	0.000 eac	h
		Other En	ngineeri	ng Orga	n Net Tota	al Quantity	1.000 eac	h
		DI	Say	1.000 each	@ Rs 6467	.54 / each	Rs 64	167.54
30	90.11.1.16 Supply and installat MCB DB including of isolator etc. fixed on making good the dar with provision for fix 42/43)	copper /brass wall using sui mages, colour	bus bar, ne table ancho washing et	eutral link, ea or bolts or fixe c. as require	arth bus an ed in recess d8 way (8+	d DIN rail s including c 18) - double	suitable for to cutting hole of cover TPN	ixing Moon the w vertical
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				То	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
			Say	1.000 each	@ Rs 7845	.54 / each	Rs 78	345.54
31	2.10.1 Supplying and fixing							

		66					66.000	
					Tot	al Quantity	66.000 ea	ach
				To	tal Deducte	ed Quantity	0.000 ead	ch
					Net Tot	al Quantity	66.000 ea	ach
			Say	66.000 eac	n @ Rs 228	.43 / each	Rs 15	5076.38
32	2.10.4 Supplying and fixing 5 suitable for inductive lo	ad of follow	ving poles i	n the existin				
		12					12.000	
			0	-@-	Tot	al Quantity	12.000 ea	ach
			JAN.	To	tal Deducte	ed Quantity	0.000 ead	ch
			8.21		Net Tot	al Quantity	12.000 ea	ach
		610	Say	12.000 eac	n @ Rs 924	.28 / each	Rs 11	091.36
	circuit breaker (RCCB complete with connec	tions, testi	ng and cor	nmissioning	etc. as recannot an isa Tot	quired.25 a		ch ch
34	2.15.2		Say	1.000 each	@ Rs 2767	7.56 / each	Rs 2	767.56
	Supplying and fixing for circuit breaker (RCCB complete with connect), having a	sensitivity	current up	to 300 milli	iamperes in	the existin	
		5					5.000	
					Tot	al Quantity	5.000 ead	ch
				To	tal Deducte	ed Quantity	0.000 ead	ch
					Net Tot	al Quantity	5.000 ead	ch
			Say	5.000 each	@ Rs 2813	.77 / each	Rs 14	1068.85
35	2.15.3 Supplying and fixing for circuit breaker (RCCB complete with connect), having a	sensitivity	current up	to 300 mill	iamperes in	the existin	

		1					1.000	
					Tota	al Quantity	1.000 eac	h
				То	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
			Say	1.000 each	@ Rs 3039.	.56 / each	Rs 30	39.56
36	2.13.1 Supplying and fixing for connections, testing and	•	•			he existing	MCB DB co	mplete wit
		5					5.000	
					Tota	al Quantity	5.000 eac	h
			C	То	tal Deducte	d Quantity	0.000 eac	h
			1	Mr.	Net Tota	al Quantity	5.000 eac	h
			Sa	y 5.000 each	n @ Rs 880.	.71 / each	Rs 44	103.55
37	2.13.2 Supplying and fixing for connections, testing and	The state of the s	1 3 4 7 1			he existing	MCB DB co	mplete wit
		2					2.000	
			M Ben	med 22/	Tota	al Quantity	2.000 eac	h
	C	ther Er	ngineeri	ng Or b 9	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	2.000 eac	h
		$P \mid$	Sa	y 2.000 each	n @ Rs 895.	.23 / each	Rs 17	790.46
38	1.14.1 Wiring for circuit/ subropper conductor, singsq.mm + 1x1.5 sq.mm	gle core cab	_			•		
		330			Tota	ol Ougatitu		actro
				To		al Quantity	350.000 n 0.000 met	
				10	tal Deducte	al Quantity	350.000 n	
			Say 35	0.000 metre		·		758.00
39	1.10.3 Wiring for light point/ copper conductor single	e core cable	exhaust fan e in surface /	point/ call b	ell point wit	th 1.5 sq.m s PVC cond	m FRLS PV	/Cinsulate lular switc
	modular plate, suitab conductor single core		_	•	with 1.5 sq.	mm. FRLS	PVC insula	ted coppe

					Tot	al Quantity	96.000 po	int
				То	tal Deducte	ed Quantity	0.000 poir	nt
					Net Tot	al Quantity	96.000 po	int
			Say	96.000 poin	t @ Rs 999	.54 / point	Rs 95	955.84
40	1.11 Wiring for twin control light in surface / recessed meand earthing the point wirequired.	dium clas	s PVC con	duit, 2 way n	nodular sw	itch, modula	ır plate, suit	able GI bo
		4					4.000	
			100		Tot	al Quantity	4.000 poir	nt
			/See	То	tal Deducte	ed Quantity	0.000 poir	nt
					Net Tot	al Quantity	4.000 poir	nt
		1	Say	4.000 point	@ Rs 1068	.20 / point	Rs 42	272.80
	surface/ recessed PVC conductor single core ca				anisatio	ns	6.000	
	T)	То	Tot	al Quantity ed Quantity	6.000 poir 0.000 poir	
						al Quantity	6.000 poir	nt
			Sa	y 6.000 poin			Rs 32	
42	1.14.2			· · · · · · · · · · · · · · · · · · ·		-	1	287.82
	Wiring for circuit/ subma copper conductor, single sq. mm + 1 X 2.5 sq. mm	core cabl	e in surface			•		C insulated
	Wiring for circuit/ subma copper conductor, single	core cabl	e in surface			•		C insulated
	Wiring for circuit/ subma copper conductor, single	core cabl earth wir	e in surface		medium cl	•	nduit as req	C insulated uired2X 2.
	Wiring for circuit/ subma copper conductor, single	core cabl earth wir	e in surface	e / recessed	medium cl	ass PVC con	400.000	C insulated uired2X 2.5
	Wiring for circuit/ subma copper conductor, single	core cabl earth wir	e in surface	e / recessed	medium classification and the second	ass PVC con	400.000 n	C insulated uired2X 2.8
	Wiring for circuit/ subma copper conductor, single	core cabl earth wir	e in surface	e / recessed	Tot tal Deducte	al Quantity al Quantity al Quantity	400.000 n 0.000 met 400.000 n	C insulated uired2X 2.8
43	Wiring for circuit/ subma copper conductor, single	core cables a core cable a core cables a core cable a core cables a core cables a core cables a core cables a core cable a core cables a core cable a core cables a core cables a core cable a core cables a core cables a core cable a core cables a core cable a core cabl	e in surface re Say 40	To 0.000 metre	Tot tal Deducte Net Tot @ Rs 180. on the exi	al Quantity ed Quantity al Quantity 89 / metre	400.000 n 0.000 met 400.000 n Rs 72	C insulated uired2X 2.9 netre re netre

	Total Quar	ntity	68.000 ea	ch
	Total Deducted Quar	ntity	0.000 each	n
	Net Total Quar	ntity	68.000 ea	ch
	Say 68.000 each @ Rs 110.91 / ea	ach	Rs 75	41.88
44	1.24.3 Supplying and fixing following modular switch/ socket on the existing n including connections but excluding modular plate etc. as required.15/		•	switch box
	Total Quar	ntity	29.000 ea	ch
	Total Deducted Quar	ntity	0.000 eac	n
	Net Total Quar	ntity	29.000 ea	ch
	Say 29.000 each @ Rs 150.53 / ea	ach	Rs 43	65.37
45	1.24.4 Supplying and fixing following modular switch/ socket on the existing n including connections but excluding modular plate etc. as required.3 pi		•	
	68		68.000	
	Total Quar	ntity	68.000 ea	ch
	Total Deducted Quar	ntity	0.000 eac	n
	Other Engineering Organ Net Total Quan	ntity	68.000 ea	ch
46	Say 68.000 each @ Rs 106.95 / each 1.24.5 Supplying and fixing following modular switch/ socket on the existing no including connections but excluding modular plate etc. as required.6 pi	nodu	lar plate &	
	29		29.000	
	Total Quar	ntity	29.000 ea	ch
	Total Deducted Quar	ntity	0.000 each	'n
	Net Total Quar	ntity	29.000 ea	ch
	Say 29.000 each @ Rs 202.02 / ea	ach	Rs 58	58.58
47	1.24.7 Supplying and fixing following modular switch/ socket on the existing nincluding connections but excluding modular plate etc. as required.TV		•	
	1 1.000 1.000 1.000		1.000	
	Total Quar	ntity	1.000 eac	n
	Total Deducted Quar	ntity	0.000 eac	n
	Net Total Quar	ntity	1.000 eac	n

49	1.24.8 Supplying and fixing including connections 1.25 Supplying and fixing t switch box including connections	s but exclud	ding modula 1.000	1.000	. as require	ed.Bell pusion al Quantity	•	ch				
	Supplying and fixing t			To	Tota	d Quantity	1.000 eac					
	Supplying and fixing t	wo module	Say		otal Deducte	d Quantity						
	Supplying and fixing t	wo module	Say			<u> </u>	0.000 eac	L				
	Supplying and fixing t	wo module	Say	, 1 000	Net Tota			n				
	Supplying and fixing t	wo module	Say									
	Supplying and fixing t	wo module		Say 1.000 each @ Rs 150.53 / each Rs 150.53								
-		connections 21			Ū		J	odular pl				
		1	JY 3	K N	Tota	al Quantity	21.000 ea	ıch				
-			1324	To	otal Deducte	d Quantity	0.000 eac	:h				
		11/55			Net Tota	al Quantity	21.000 ea	ıch				
	1	400	Say	21.000 eac	h @ Rs 380	28 / each	Rs 7	985.88				
	Supply and wiring point specials conforming to fixing the conduit using sq mm FRLS PVC in providing switch board copper earth socket, be metal switch boxes, reswitches and making geswitch boards and DB's box using suitable ties plug point with 6 A, 5 points	IS 9537 page metal sadd sulated strain and crass bolt and modular type good the sures shall be tires, tie mounts oin plug sood	rt III 1983 and anded sing continuous ed nut crimpine front plater face of wall and the setc as requesting the setc as requesting and the setc as requesting the setce as requesting the setc as requesting the setce as requesting t	nd with suita not exceed le core coperathing with ng/ soldering es (white) e , colour was e wires shall uired. (Roh	able size spanding 50 cm of the conduction of the complete. Up to a shing etc. of the drawn and shing etc. of the drawn and shing etc.	ecials conformation concealed concealed complete. All and fixed alcount modular and modular and fixed alcounter and fixed alco	orming to IS d suitably ar 650V grade per, required table size m g 6A modu the terminating the peripaccessories on board as	3419-19 and with 1. be, including quantity anodular type attions in the phery of the combine of				
		22					22.000					
					Tota	al Quantity	22.000 ea	ich				
				To	otal Deducte	d Quantity	0.000 eac	:h				
					Net Tota	al Quantity	22.000 ea	ich				
			Say	22.000 eac	h @ Rs 430	.38 / each	Rs 9	468.36				

		40	1.000	1.000	1.000		40.000	
					Tota	al Quantity	40.000 ea	ıch
				To	tal Deducte	d Quantity	0.000 eac	h
					Net Tot	al Quantity	40.000 ea	ıch
			Say	40.000 each	n @ Rs 231	.07 / each	Rs 92	242.80
52	1.27.2 Supplying and fixing for switches in recess etc.	•			_	ılar base &	cover plate	for modu
		41					41.000	
			•		Tota	al Quantity	41.000 ea	ıch
			Cu	To	tal Deducte	d Quantity	0.000 eac	h
			-//W		Net Tot	al Quantity	41.000 ea	ıch
			Say	41.000 each	n @ Rs 244	.27 / each	Rs 10	015.07
53	1.27.4 Supplying and fixing for switches in recess etc	The 12 A 12				ılar base &	cover plate	for modu
	1	28					28.000	
			MOTOR	an or PET	Tot	al Quantity	28.000 ea	ıch
	C	ther Er	ngineeri	ng Or g	tal Deducte	d Quantity	0.000 eac	:h
	-				Net Tot	al Quantity	28.000 ea	ıch
					0.0			
		P	Say	28.000 eacl	n @ Rs 340	.66 / each	Rs 9	538.48
54	1.38 Supplying and fixing ca	all bell/ buzz						
54		all bell/ buzz						
54			er suitable fo	or single pha	ase, 230 vol		as required	l.
54			er suitable fo	or single pha	ase, 230 vol	ts, complete	as required	l. h
54			er suitable fo	or single pha	ase, 230 vol 1.000 Tot tal Deducte	ts, complete	1.000 eac	l. h
54			er suitable fo	or single pha	1.000 Tototal Deducted Net Tototal	al Quantity al Quantity al Quantity	1.000 eac 0.000 eac 1.000 eac	l. h
54		nstallation, excluding reathed 650/required.120	er suitable for 1.000 Solutesting and resistance to 1100V grade 200mm sweet	ay 1.000 each	nse, 230 vol 1.000 Total Deducted Net Total Ch @ Rs 80 ing of ceiling or, wiring the copper of deciling far	al Quantity and Guantity	1.000 each	I. th th 80.54 sizes usi 20mm P ¹ th extend
	90.4.5.2 Supply, conveyance, i standard accessories insulated and PVC she original wiring etc. as in	nstallation, excluding reathed 650/required.120	er suitable for 1.000 Solutesting and resistance to 1100V grade 200mm sweet	ay 1.000 each	nse, 230 vol 1.000 Total Deducted Net Total Ch @ Rs 80 ing of ceiling or, wiring the copper of deciling far	al Quantity and Guantity	1.000 each	I. th th 80.54 sizes usi 20mm P\ th extend

				To	otal Deducte	d Quantity	0.000 ead	ch
						al Quantity	21.000 ea	
			Say 2	21.000 each				021.15
56	90.3.19.3 Supply conveyance, in CRCA sheet 0.5mm the 16/0.20 mm 3 core Poriginal wiring and give	ickness with VC insulate	all accesso	ories and lan othed round	nps directly copper co	on wall and nductor flex	giving conn wire or ex	ections with tending the
		48					48.000	
					Tota	al Quantity	48.000 ea	ach
			- 52	To	otal Deducte	d Quantity	0.000 ead	:h
		al Quantity	48.000 ea	ach				
			Say 4	18.000 each	@ Rs 1174	.79 / each	Rs 56	389.92
	socket arrangements of length including painting wire conforming to required.1200 mm (1)	ng and wirir elevant ISS	ng the dowr S or extend	rod with 16 ding the ori	6/0.20mm 3 iginal wirin	core round g and givir	copper co	nductor flex
			K.			al Quantity	14.000 ea	
				10	otal Deducte	al Quantity	0.000 ead	
			Sav 1	4.000 each				051.50
58	90.4.1 Supply and installation	of suitable s	·					
		21					21.000	
					Tota	al Quantity	21.000 ea	ach
				To	otal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	21.000 ea	ach
			Say	21.000 eacl	h @ Rs 149	.50 / each	Rs 3	139.50
59	2.21 Providing and fixing M thick, and vitreous ena required.	•	•					

		6					6.000	
					Tota	al Quantity	6.000 eac	:h
				To	tal Deducte	d Quantity	0.000 eac	:h
					Net Tota	al Quantity	6.000 eac	h
			Sa	y 6.000 each	n @ Rs 196	.74 / each	Rs 1	180.44
60	od133961/2019_2020 SITC of 100 KVA DG se	et with stan	dard control	panel comp	lete with all	other acces	ssories as re	quired.
		1					1.000	
			1		Tota	al Quantity	1.000 eac	:h
		Total Deducted Quantity Net Total Quantity						
			Say 1.	000 each @	Rs 727065	.00 / each	Rs 72	7065.00
	SITC of Rust resistant complete with all other	accessori	1 1 1 1 1 1 1			th 9W LED		5 Protection
		11		Town	196-254149 Silena		11.000	
				ENT DEL		al Quantity	11.000 ea	
		ther Er	oineari		tal Deducte		0.000 eac	
				ng Orga	7		11.000 ea	
		\triangleright	Say	11.000 each	n @ Rs 608	.61 / each	Rs 6	694.71
62	od163326/2019_2020 Supply, installation, te working on 230V, 50H	•		ū			er, Model: L	BPC05CL
		14					14.000	
					Tota	al Quantity	14.000 ea	ach
				То	tal Deducte	d Quantity	0.000 eac	ch
					Net Tota	al Quantity	14.000 ea	ach
			Say	14.000 each	n @ Rs 260	.96 / each	Rs 3	653.44
63	od168074/2019_2020 SITC of MSB new (Kacompartmentalized dusto board free standing fachamber, outgoing swaleeved vertical / horizminimum 32 mm) insulatrand lugged copper was busbar to switchgears	st and vern bricated wi itchgear et ontal Alum lators, hard vire having	nin proof cu th14swg ar c. (all feed inium busb ware, neopi current den	nbical segregand 16swg of er unit Wouler of require rene gasket sity of 2A / s	gated and not call the call the compet of size of leading the call	nodular in cost sheet, post art mentalizength, (bus or, interconnatele)	construction owder coated zed), color -bar distance necting single ity & size wi	M.V. paned with the M.V. paned of the M.V. paned of the coded PVC ces shall be a core multiple of the code of the

	ON/OFF, RYB phase in at outside of the pane followings as per th L&T/Equivalent. br>Ir 200A, 36kA, 4P MCC	I, rating and ne KEI stancomer: 630	d name pla ndard. Sw	tes for all in vitch gears	coming & c	outgoings e Equivalent	tc. comprisi , Contacto	ng with the
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				To	tal Deducte	d Quantity	0.000 each	
					Net Tota	al Quantity	1.000 eac	h
			Rs 125	5588.17				
64	od168082/2019_2020 SITC of MAIN PANEL compartmentalized du board free standing fa chamber ,outgoing sw sleeved vertical / horiz minimum 32 mm) insu strand lugged copper w busbar to switchgears ON/OFF, RYB phase in at outside of the pane followings as per th L&T/Equivalent. Contactor & 150A, 4P and neutral. TPN Isolator - 1 No. bild compared to the pane contactor & 150A, 4P and neutral. TPN Isolator - 1 No. contactor & 150A, 4P	st and verm bricated win itchgear et contal Alum lators, hardwire having of / MCCB / Modicators, two laters, two laters, two laters and comer: 200 Contactors ing: 125A,	nin proof cuth14swg arc. (all feede inium busbaware, neoprourrent dens MCB or whe wo earthing d name plandard. SwDA, 36kA, 4br>AMF rel 25kA, 3P, N	bical segregated 16swg of the result of the pasket sity of 2A / sity of 2A / sity of 2A / sity of all invitch gears of the pasket of the paske	gated and not completed size of leading to the completed size of leading to the control of size accoming & completed size and the control of size accoming & completed size accoming & completed size accoming & complete size accoming the complete size accoming & complete size accoming the complete size accoming	nodular in cos. sheet, po art mentalizength, (bus- or, interconn table capaci- ol wiring wit 25 x 5 mm outgoings e Equivalent A, 4P Isolate ock br>200	construction owder coate zed), color of bar distance ting single ty & size with 1 sqmm F copper with tc. comprising Contacto or - 1 No A Al bubar filcCB - 3 No	M.V. panel d, bus-bar coded PVC es shall be e core multi h lugs from RLS cable, nut & bolts ng with the rs - ABB, r>200A 4P for 3 phase
		1					1.000	
					Tota	al Quantity	1.000 eac	
				Тс	tal Deducte	d Quantity	0.000 eac	
					Net Tota	al Quantity	1.000 eac	
			Say 1.	000 each @	Rs 205196	.74 / each	Rs 205	5196.74

65 od168125/2019 2020

SITC of SSB1 - Classroom building (Kannur)

supply, installation, testing and commissioning of totally enclosed compartmentalized dust and vermin proof cubical segregated and modular in construction M.V. panel board free standing fabricated with14swg and 16swg of CRCA M.S. sheet, powder coated, bus-bar chamber, outgoing switchgear etc. (all feeder unit Would be compart mentalized), color coded PVC sleeved vertical / horizontal Aluminium busbar of required size of length, (bus-bar distances shall be minimum 32 mm) insulators, hardware, neoprene gasket, hinged door, interconnecting single core multi strand lugged copper wire having current density of 2A / sqmm of suitable capacity & size with lugs from busbar to switchgears / MCCB / MCB or where ever required, control wiring with 1 sqmm FRLS cable, ON/OFF, RYB phase indicators, two earthing terminal busbar of

	size 25 x 5 mm copper outgoings etc. comprise Contactors – ABB, L& and neutral 16kA, 3P MCCB - 1 N	sing with the T/Equivaler ping: 63A, 1	e followings at. Incom	as per the k ner: 150A, T	ŒI standard PN Isolator<	d. Switch ge br>Busbar	ears – ABB/ - 150A Al fo	Equivalent, or 3 phases
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				To	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
	Say 1.000 each @ Rs 109524.13 / each Rs 109524.13 / each od168143/2019 2020							
	SITC of SSB 5 - Fifa grommissioning of total modular in construction sheet, powder coated mentalized), color code bus-bar distances shall interconnecting single suitable capacity & size control wiring with 1 science 25 x 5 mm copper outgoings etc. comprise Contactors – ABB, L& and neutral MCCB - 2 no	ally enclose on M.V. pand on M.	d compartment board free chamber, out eved verticanum 32 mm strand lugger from busbecable, ON/C bolts at outse followings at local to the compart of the com	entalized die standing fatgoing switch (1 / horizontal 1) insulators ged copper ar to switch (1 / FF, RYB phoside of the pas per the kner: 150A, T	ust and veri bricated with shgear etc. Aluminium s, hardware wire having gears / MCC ase indicator anel, rating a KEI standaro	min proof control of the control of	ubical segred 16swg of unit Would equired size gasket, he ensity of 2A or where evaluing terminal terminal ears – ABB/	egated and CRCA M.S. be compart of length, (inged door, a / sqmm of er required, al busbar of incoming & Equivalent,
		1				1		•
		1				4	1.000	8A 16kA 3P
		1		To	Tota	al Quantity	1.000 1.000 eac	3A 16kA 3P
		1		То	Tota	al Quantity	1.000	A 16kA 3P
		1	Say 1	.000 each @	Tota tal Deducted Net Tota	al Quantity d Quantity al Quantity	1.000 1.000 eac 0.000 eac 1.000 eac	A 16kA 3P
67	od168204/2019_2020 Supply, Installation, To with all accessories as	esting and	•	.000 each @	Tota tal Deducted Net Tota Rs 73425.	al Quantity d Quantity al Quantity 43 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 73	sh 16kA 3P sh sh sh sh
67	Supply, Installation, To	esting and	•	.000 each @	Tota tal Deducted Net Tota Rs 73425.	al Quantity d Quantity al Quantity 43 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 73	sh 16kA 3P sh sh sh sh
67	Supply, Installation, To	esting and as required.	•	.000 each @	Total Deducted Net Total P Rs 73425.	al Quantity d Quantity al Quantity 43 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 73	ch c
67	Supply, Installation, To	esting and as required.	•	.000 each @	Total Deducted Net Total P Rs 73425.	al Quantity d Quantity al Quantity 43 / each a 1 hour bar	1.000 1.000 eac 0.000 eac 1.000 eac Rs 73	ch complete
67	Supply, Installation, To	esting and as required.	•	.000 each @	Total Deducted Net Total Peducted Total Deducted tall Deducted	al Quantity d Quantity al Quantity 43 / each a 1 hour bar	1.000 1.000 eac 0.000 eac 1.000 eac Rs 73 ttery back u 1.000 1.000 eac	ch complete ch
67	Supply, Installation, To	esting and as required.	commission	.000 each @	Total Deducted Net Total Peducted Net Total Deducted Net Total	al Quantity d Quantity al Quantity 43 / each a 1 hour bar al Quantity d Quantity	1.000 eac 0.000 eac 1.000 eac 1.000 eac 0.000 eac 1.000	ch complete ch

	Supplying and fixing c on, bolted /welded to required.					•		•									
		5					5.000										
					Tota	al Quantity	5.000 no										
				To	tal Deducte	d Quantity	0.000 no										
					Net Tota	al Quantity	5.000 no										
				Say 5.000	no @ Rs 3	55.19 / no	Rs 17	775.95									
SI No	Description No L B D CF Quantity Remark RONT GATE WITH SECURITY CABIN ELECTRICAL WORKS AND COMPOUND WALL LIGHTING																
2 F	RONT GATE WITH SEC	URITY CAE	BIN ELECTE	RICAL WOR	KS AND CO	MPOUND	WALL LIGH	ITING									
	MCB DB including co isolator etc. fixed on w making good the dame 42/43)	all using su	itable ancho	r bolts or fix	ed in recess	including o	cutting hole	on the w									
		// /1		KAN!	7 70		1.000										
		78/45			Tota	al Quantity	1.000 eac	:h									
			MORE	То	tal Deducte	d Quantity	0.000 eac	h									
		ther Er	ngineeri	ng Org	Net Tota	al Quantity	1.000 eac	h									
	-		Say	1.000 each	@ Rs 2760.	.54 / each	Rs 27	760.54									
2	suitable for inductive I	-	wing poles in	_				Say 1.000 each @ Rs 2760.54 / each Rs 2760.54									
	and commissioning et	c. as require	ed.Single bo	ole				ons, tes									
	and commissioning et		ed.Single po	ole			12.000	ons, tes									
	and commissioning et	c. as require	ed.Single po	ole	Tota	al Quantity	12.000 12.000 ea										
	and commissioning et		ed.Single po			al Quantity	12.000 ea	ıch									
	and commissioning et		ed.Single po		tal Deducte			ich									
	and commissioning et				tal Deducte Net Tota	d Quantity	12.000 eac 12.000 eac	ich									
3	2.13.1			То	tal Deducte Net Tota	d Quantity	12.000 eac 12.000 eac	ich h									
3		12	Say	12.000 each	Net Totan @ Rs 228.	d Quantity al Quantity 43 / each	12.000 eac 0.000 eac 12.000 ea Rs 27	nch h nch 741.16									
3	2.13.1 Supplying and fixing for	12	Say	12.000 each	Net Totan @ Rs 228.	d Quantity al Quantity 43 / each	12.000 eac 0.000 eac 12.000 ea Rs 27	nch h nch 741.16									
3	2.13.1 Supplying and fixing for	12 Dillowing rational commiss	Say	12.000 each	Net Totaln @ Rs 228. isolator in the state of the state o	d Quantity al Quantity 43 / each	12.000 eac 0.000 eac 12.000 ea Rs 27	nch hach 741.16									
3	2.13.1 Supplying and fixing for	12 Dillowing rational commiss	Say	To 12.000 each e, 415 volts, as required.4	Net Totaln @ Rs 228. isolator in the state of the state o	d Quantity al Quantity 43 / each he existing	12.000 eac 0.000 eac 12.000 ea Rs 27	nch hach 741.16 mplete v									

			Sa	y 1.000 eacl	n @ Rs 880	.71 / each	Rs 8	80.71
4	2.15.2 Supplying and fixing circuit breaker (RCC complete with conne	B), having a	sensitivity	current up	to 300 milli	amperes in	the existin	
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				To	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
			Say	1.000 each	@ Rs 2813	.77 / each	Rs 2813.77	
5	1.10.3 Wiring for light point/ copper conductor sing modular plate, suitab conductor single core	le core cable le GI box a	e in surface nd earthing	recessed not the recessed not the point v	nedium clas	s PVC cond	luit,with mod	dular switch
		6		33//	1-2		6.000	
		1/51		35	Tota	al Quantity	6.000 poir	nt
		400		To	tal Deducte	d Quantity	0.000 poir	nt
			A District	10 10 12 2 C	Net Tota	al Quantity	6.000 poir	nt
		Other En	igineesa	y 6.000 poin	t @ Rs 999	.54√ point	Rs 59	997.24
6	1.14.1 Wiring for circuit/ sub copper conductor, sin sq.mm + 1x1.5 sq.mm	gle core cab	_					
		1	50.000					
							50.000	
		1	210.000				50.000 210.000	
		1			Tota	al Quantity		netre
		1		To	Total Deducte		210.000	
		1		To	tal Deducte		210.000 260.000 n	tre
		1	210.000	Tc 0.000 metre	otal Deducte	d Quantity	210.000 n 260.000 n 0.000 met 260.000 n	tre
7	1.14.2 Wiring for circuit/ sub copper conductor, sing sq. mm + 1 X 2.5 sq.	main wiring	Say 26 alongwith e	0.000 metre	Net Tota @ Rs 147.6	d Quantity al Quantity 38 / metre	210.000 n 260.000 n 0.000 met 260.000 n Rs 38	netre 448.80 C insulate
7	Wiring for circuit/ sub copper conductor, single	main wiring	Say 26 alongwith e	0.000 metre	Net Tota @ Rs 147.6	d Quantity al Quantity 38 / metre	210.000 n 260.000 n 0.000 met 260.000 n Rs 38	netre 448.80 C insulate
7	Wiring for circuit/ sub copper conductor, single	main wiring gle core cab mm earth wi	Say 26 alongwith e le in surface	0.000 metre	Net Total Rs 147.6 th the follow medium cla	d Quantity al Quantity 38 / metre	210.000 260.000 met 260.000 m Rs 38 of FRLS PV nduit as req	netre 448.80 C insulate uired2X 2.

					Net Tota	l Quantity	15.000 m	etre
			Say 1	5.000 metre	@ Rs 180.8	9 / metre	Rs 2	713.35
8	1.31 Supplying and fixing s including providing a connection etc. as re	nd fixing 3	pin 5/6 am	ps modular	socket out	let and 5/6	ampsmod	
		2					2.000	
				Тс	Tota	al Quantity	2.000 eac	
						al Quantity	2.000 eac	
		29 / each		26.58				
	Supplying and fixing s including providing an switch, connection etc.	d fixing 6 p	in 5/6 & 15/				d 15/16 am	
		1		125 T. 13	Tota	ol Quantity	1.000	.h
				To	otal Deducte	d Quantity	0.000 eac	
			Dig Wall	20 10 10 10 10 10 10 10 10 10 10 10 10 10		al Quantity	1.000 eac	
	C	ther Er	igineeri	v 1.000 eacl	n @ Rs 536.	•		36.08
10	od134531/2019_2020 Supply, installation, te anchor bolts / bolt and with the Wall fan. 	sting and co	ommissionin as required	g of Wall far including gi	of 300mm s	sweep dia c		
		2					2.000	
					Tota	l Quantity	2.000 eac	:h
				To	otal Deducte	d Quantity	0.000 eac	:h
					Net Tota	l Quantity	2.000 eac	:h
			Say	2.000 each	@ Rs 1995.	95 / each	Rs 3	991.90
11	7.3.1 Laying of one number size direct in ground cushioning and protect	including ex	cavation ar	nd refilling t	•		_	
		1	20.000				20.000	
		· 			Tota	al Quantity	20.000 m	etre
				Тс	otal Deducte	d Quantity	0.000 me	tre
	1			-			1 -	

					Net Tota	I Quantity	20.000 m	etre
			Say 20.00	00 metre	@ Rs 128.0	8 / metre	Rs 2	561.60
12	od134546/2019_2020 Supply of 10 sqmm 4 voltages up to and inc	core PVC/X						
		1	55.000				55.000	
					Tota	I Quantity	55.000 m	etre
				Tot	al Deducted	d Quantity	0.000 me	tre
					Net Tota	l Quantity	55.000 m	etre
			Say 55.00	00 metre	@ Rs 118.0	00 / metre	Rs 6	490.00
	Supplying and makin size of PVC insulate required.4 X 10 sq.	ed and PVC	sheathed / XL	•	•		•	
		2		KA	Tota	I Quantity	2.000 set	
		1/37.			329,13,6	الميان		
				Tot	al Deducted	d Quantity	I U UUU SAT	
		465		Tot	al Deducted Net Tota	-	0.000 set	
		Other E	Sa	y 2.000 s	Net Tota	Il Quantity 8.04 / set	2.000 set	
14	7.5.1 Laying of one number size in the existing R0	r PVC insula	ted and PVC sh	y 2.000 s eathed /)	Net Tota et @ Rs 26	R.04 / set	2.000 set	36.08
14	Laying of one number	r PVC insula	ted and PVC sh	y 2.000 s eathed /)	Net Tota et @ Rs 26	R.04 / set	2.000 set	36.08
14	Laying of one number	r PVC insula CC/ HUME/ I	ted and PVC sh	y 2.000 s eathed /)	Net Totalet @ Rs 26	R.04 / set	2.000 set Rs 5	offollowing
14	Laying of one number	r PVC insula CC/ HUME/ I	ted and PVC sh	eathed / >	Net Totalet @ Rs 26	8.04 / set 11.S r cable of 1 mm	2.000 set Rs 5 .1 KV grade 35.000	e offollowing
14	Laying of one number	r PVC insula CC/ HUME/ I	ted and PVC sh	eathed / >	Net Total et @ Rs 26 CLPE powe Upto 35 sq. Total	8.04 / set 11.S r cable of 1 mm	2.000 set Rs 5 .1 KV grade 35.000 m	etre
14	Laying of one number	r PVC insula CC/ HUME/ I	ted and PVC sh METAL pipe as 35.000	eathed / >required.L	Net Total et @ Rs 26 CLPE powe Upto 35 sq. Total	R.04 / set R.04 / set R.05 R. cable of 1 R.	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m	etre
14	Laying of one number	r PVC insula CC/ HUME/ I 1	ted and PVC sh METAL pipe as 35.000 Say 35.0	eathed / > required.U Tot	Net Total et @ Rs 26 KLPE powe Upto 35 sq. Total al Deducted Net Total et @ Rs 23.7	Il Quantity 8.04 / set 11. In cable of 1 In mm Il Quantity Id Quantity Id Quantity If Quantity If Quantity If PE power	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 8	e offollowi etre tre etre
	Laying of one number size in the existing RO 7.7.1 Laying and fixing of or	r PVC insula CC/ HUME/ I 1	ted and PVC sh METAL pipe as 35.000 Say 35.0	eathed / > required.U Tot	Net Total et @ Rs 26 KLPE powe Upto 35 sq. Total al Deducted Net Total et @ Rs 23.7	Il Quantity 8.04 / set 11. In cable of 1 In mm Il Quantity Id Quantity Id Quantity If Quantity If Quantity If PE power	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 8	e offollowing etre etre
	Laying of one number size in the existing RO 7.7.1 Laying and fixing of or	r PVC insula CC/ HUME/ I 1 ne number P surface as re	ted and PVC sh METAL pipe as 35.000 Say 35.0	eathed / > required.U Tot	Net Total et @ Rs 26 KLPE powe Upto 35 sq. Total al Deducted Net Total et @ Rs 23.7 neathed / XI clamped with	Il Quantity 8.04 / set 11. In cable of 1 In mm Il Quantity Id Quantity Id Quantity If Quantity If Quantity If PE power	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 6 cable of 1.1	etre etre s31.95 KVgrade
	Laying of one number size in the existing RO 7.7.1 Laying and fixing of or	r PVC insula CC/ HUME/ I 1 ne number P surface as re	ted and PVC sh METAL pipe as 35.000 Say 35.0	ay 2.000 so required. U	Net Total et @ Rs 26 KLPE powe Upto 35 sq. Total al Deducted Net Total et @ Rs 23.7 neathed / XI clamped with	Il Quantity 8.04 / set 11.S r cable of 1 mm Il Quantity d Quantity Il Quantity If 7 / metre PE power th 1mm thic	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 8 cable of 1.1 k saddle) 15.000	e offollowi etre etre s31.95 KVgrade etre
	Laying of one number size in the existing RO 7.7.1 Laying and fixing of or	r PVC insula CC/ HUME/ I 1 ne number P surface as re	ted and PVC sh METAL pipe as 35.000 Say 35.0	ay 2.000 so required. U	Net Total et @ Rs 26 CLPE powe Upto 35 sq. Total al Deducted Net Total e @ Rs 23.7 neathed / XI clamped with Total al Deducted Total	Il Quantity 8.04 / set 11.S r cable of 1 mm Il Quantity d Quantity Il Quantity If 7 / metre PE power th 1mm thic	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 8 cable of 1.1 k saddle) 15.000 m	etre tre etre KVgrade etre tre
	Laying of one number size in the existing RO 7.7.1 Laying and fixing of or	r PVC insula CC/ HUME/ I 1 ne number P surface as re	sted and PVC sh METAL pipe as 35.000 Say 35.0 VC insulated an equired.Upto 35	Tot O00 metre ad PVC sh sq. mm (c	Net Total et @ Rs 26 CLPE powe Upto 35 sq. Total al Deducted Net Total e @ Rs 23.7 neathed / XI clamped with Total al Deducted Total	Il Quantity 8.04 / set 11.S In cable of 1 In mm Il Quantity Id Quantity Id Quantity If Y / metre In the Interpretate the 1 mm thice In the Interpretate the 1 mm thice In Quantity	2.000 set Rs 5 .1 KV grade 35.000 m 0.000 me 35.000 m Rs 8 cable of 1.1 k saddle) 15.000 m 0.000 me 15.000 m	e offollowing etre 831.95 KVgrade etre etre

	refilling etc as requ					40.000	
		1	12.000			12.000	
					otal Quantity	12.000 m	
				Total Deduc	ted Quantity	0.000 me	tre
				Net To	otal Quantity	12.000 m	etre
			Say 12.000 me	etre @ Rs 534	1.76 / metre	Rs 6	417.12
17		-	conductors of the fo	•	along with w	viring/ cables	s and gi
		1	12.000			12.000	
			C. 0 mm \	To	otal Quantity	12.000 m	etre
				Total Deduc	ted Quantity	0.000 me	tre
		(k.,		Net To	otal Quantity	12.000 m	etre
18	enclosure with cove	er plate having	Say 12.000 m metre long, 40 mm o locking arrangement	dia including and watering	accessories, pipe etc. with	and provid	-
18	Earthing with G.I.	er plate having	metre long, 40 mm o	dia including	accessories, pipe etc. with	and provid	ingmaso
18	Earthing with G.I. enclosure with cover	er plate having	metre long, 40 mm o	dia including and watering ganisati	accessories, pipe etc. with	and provid	ingmaso
18	Earthing with G.I. enclosure with cover	er plate having	metre long, 40 mm o	dia including and watering ganisati	accessories, pipe etc. with ONS tal Quantity	and provid ncharcoal/ co 1.000 1.000 set	ingmaso
18	Earthing with G.I. enclosure with cover	er plate having	metre long, 40 mm o	dia including and watering ganisati	accessories, pipe etc. with ONS otal Quantity ted Quantity	and providencharcoal/ contact and providencharcoal/ contact and a second a second and a second a	ingmaso
18	Earthing with G.I. enclosure with cover	er plate having	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deduc	accessories, pipe etc. with ONS otal Quantity otal Quantity otal Quantity	and providencharcoal/ contact of the second	ingmaso
18	Earthing with G.I. of enclosure with coveras required	or plate having Other E1	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deduction Net Total O set @ Rs 4	accessories, pipe etc. with ONS otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity	and providencharcoal/ contact of the	ingmasooke and
	enclosure with coveras required od163332/2019_20 SITC of 3W LED F	or plate having Other E1	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deduction Net Total O set @ Rs 4	accessories, pipe etc. with ONS otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity	and providencharcoal/ contact of the	ingmasooke and
	enclosure with coveras required od163332/2019_20 SITC of 3W LED F	ozo Recessed Sporquired.	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deductors Net Total O set @ Rs 4 king on 230	accessories, pipe etc. with ONS otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity otal Quantity	and providencharcoal/ contact of the	ingmasooke and
	enclosure with coveras required od163332/2019_20 SITC of 3W LED F	ozo Recessed Sporquired.	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deductors Net Total O set @ Rs 4 king on 230	accessories, pipe etc. with ONS tal Quantity otal Quantity	and providencharcoal/ contact of the	ingmasooke and
	enclosure with coveras required od163332/2019_20 SITC of 3W LED F	ozo Recessed Sporquired.	metre long, 40 mm of locking arrangement ngineering Or	dia including and watering ganisati Total Deductors Net Total O set @ Rs 4 king on 230 Total Deductors	accessories, pipe etc. with ONS tal Quantity otal Quantity	and providencharcoal/ contact of the	ingmasooke and

			1	T			1	
		2					2.000	
					Tota	al Quantity	2.000 no	
				То	tal Deducte	d Quantity	0.000 no	
					Net Tota	al Quantity	2.000 no	
				Say 2.000 r	no @ Rs 15	12.21 / no	Rs 30	24.42
21	od163334/2019_2020 SITC of weather proc complete with all other		_		amp, IP65 f	or outdoor	purpose pre	wired ar
		12					12.000	
					Tota	al Quantity	12.000 no	
			B	To	tal Deducte	d Quantity	0.000 no	
			1/1	31,5	Net Tota	al Quantity	12.000 no	
		-	436	Say 12.000 r	no @ Rs 110	34.53 / no	Rs 13	614.36
	Supply, installation, te required.	sting and co	mmissionin	g of LED 3W	Spike light	, IP65 with	all other acc	essories a
		4		202/33			4.000	
			na litteria	DA DE PET	Tota	al Quantity	4.000 no	
		Other Er	gineeri	ng Orba	tal Deducte	d Quantity	0.000 no	
	-				Net Tota	al Quantity	4.000 no	
		\mathbf{P}	K	Say 4.000	no @ Rs 62	20.85 / no	Rs 24	183.40
23	od163326/2019_2020 Supply, installation, t working on 230V, 50	ū		ū			er, Model: L	BPC05C
		2					2.000	
					Tota	al Quantity	2.000 eac	h
				То	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	2.000 eac	h
							Do F	
			Sa	y 2.000 each	n @ Rs 260.	.96 / each	KS 5	21.92
SI No	Description	No	Sa	y 2.000 each	n @ Rs 260. □	.96 / each CF	Quantity	21.92 Remark
SI No	Description		L	1	D			
SI No	7.3.1 Laying of one number size direct in ground cushioning and prote	PVC insulat	a EXTERNATE ed and PVC cavation are	B AL LIGHTING Sheathed /	G XLPE powe	cr or cable of 1	Quantity .1 KV grade	Remark

					Tota	al Quantity	260.000 n	netre
				To	tal Deducte	d Quantity	0.000 me	tre
					Net Tota	al Quantity	260.000 n	netre
			Say 26	0.000 metre	@ Rs 128.0	08 / metre	Rs 33	300.80
2	7.5.1 Laying of one number size in the existing RC				•		.1 KV grade	e offollowing
		15					15.000	
					Tota	al Quantity	15.000 m	etre
				To	tal Deducte	d Quantity	0.000 me	tre
			100	R.	Net Tota	al Quantity	15.000 m	etre
			Say	15.000 metr	e @ Rs 23.7	77 / metre	Rs 3	356.55
	7.7.1 Laying and fixing of on following size on wall s	surface as re					k saddle)	KVgrade o
		25			1	<u></u>	25.000	
	1	S.C.			Tota	al Quantity	25.000 m	etre
				To	tal Daduata	d Ougatity	0.000	tra
			1000	ig div	tal Deducte	d Quantity	0.000 me	
		Other En	gineeri	Id. Talle		al Quantity	25.000 me	
		Other En	8	Id. Talle	Net Tota	al Quantity	25.000 m	
4	5.2 Earthing with G.I. ear enclosure with cover p as required	th pipe 4.5 r	Say	ng Orga 25.000 metr 40 mm dia	Net Totale @ Rs 33.0	O1 / metre	25.000 me Rs 8	etre 325.25 ingmasonr
4	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 r	Say	ng Orga 25.000 metr 40 mm dia	Net Totale @ Rs 33.0	O1 / metre	25.000 me Rs 8	etre 325.25 ingmasonr
4	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 rolate having l	Say	ng Orga 25.000 metr 40 mm dia	e @ Rs 33.0	O1 / metre	25.000 me Rs 8 and providencharcoal/ co	etre 325.25 ingmasonr oke and sa
4	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 rolate having l	Say	ng Orga 25.000 metr 40 mm dia ngement and	e @ Rs 33.0	al Quantity 01 / metre ccessories, ipe etc. with	25.000 me Rs 8 and providencharcoal/ co	etre 325.25 ingmasonr oke and sa
4	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 rolate having l	Say	ng Orga 25.000 metr 40 mm dia ngement and	Net Total e @ Rs 33.0 including add watering p Total otal Deducte	al Quantity 01 / metre ccessories, ipe etc. with	25.000 me Rs 8 and provide acharcoal/ co 2.000 2.000 set	etre 325.25 ingmasonr oke and sa
4	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 rolate having l	Say metre long, ocking arra	ng Orga 25.000 metr 40 mm dia ngement and	Net Total e @ Rs 33.0 including add watering p Total stal Deducte Net Total	al Quantity O1 / metre ccessories, ipe etc. with al Quantity d Quantity al Quantity	25.000 me Rs 8 and provide charcoal/ co 2.000 2.000 set 0.000 set 2.000 set	etre 325.25 ingmasonr oke and sa
5	Earthing with G.I. ear enclosure with cover p	th pipe 4.5 rolate having I	Say metre long, ocking arran	25.000 metr 40 mm dia ngement and To Say 2.000 se	Net Total e @ Rs 33.0 including act d watering p Total otal Deducte Net Total et @ Rs 484	al Quantity O1 / metre ccessories, ipe etc. with al Quantity d Quantity al Quantity al Quantity al Quantity al Quantity	25.000 me Rs 8 and provide charcoal/ co 2.000 2.000 set 0.000 set 2.000 set Rs 96 conductors	etre 325.25 ingmasonroke and sa 697.02
	enclosure with cover p as required od134936/2019_2020 Supply of 4 sqmm 3 c	th pipe 4.5 rolate having I	Say metre long, ocking arran	25.000 metr 40 mm dia ngement and To Say 2.000 se	Net Total e @ Rs 33.0 including act d watering p Total otal Deducte Net Total et @ Rs 484	al Quantity O1 / metre ccessories, ipe etc. with al Quantity d Quantity al Quantity al Quantity al Quantity al Quantity	25.000 me Rs 8 and provide charcoal/ co 2.000 2.000 set 0.000 set 2.000 set Rs 96 conductors	etre 325.25 ingmasonroke and sa 697.02
	enclosure with cover p as required od134936/2019_2020 Supply of 4 sqmm 3 c	th pipe 4.5 rolate having I 2	Say metre long, ocking arrai	25.000 metr 40 mm dia ngement and To Say 2.000 se	Net Total Re @ Rs 33.0 including and watering pure total Deducte Net Total Re t @ Rs 484 It cable with 34/part I/198	al Quantity O1 / metre ccessories, ipe etc. with al Quantity d Quantity al Quantity al Quantity al Quantity al Quantity	25.000 me Rs 8 and provide charcoal/ co 2.000 2.000 set 0.000 set 2.000 set Rs 9 conductors IS 7098 par	etre 325.25 ingmasonroke and sa 697.02 for working til for XLPI
	enclosure with cover p as required od134936/2019_2020 Supply of 4 sqmm 3 c	th pipe 4.5 rolate having I 2	Say metre long, ocking arrai	25.000 metr 40 mm dia ngement and To Say 2.000 se ed armoured rming IS 158	Net Total Re @ Rs 33.0 including and watering pure total Deducte Net Total Re t @ Rs 484 It cable with 34/part I/198	al Quantity O1 / metre ccessories, ipe etc. with al Quantity d Quantity al Quantity	25.000 min Rs 8 and providing charcoal/ conductors Rs 9 conductors Rs 7098 par 260.000	etre 325.25 ingmasonry oke and sal

			Say 26	60.000 metr	e @ Rs 81.0	00 / metre	Rs 21	060.00
6	od134937/2019_202 Supplying and layin including connection	g 8 SWG Cu			_	evel for con	ductor earth	n electro
		1	20.000				20.000	
					Tota	al Quantity	20.000 me	etre
				To	otal Deducte	d Quantity	0.000 met	re
					Net Tota	al Quantity	20.000 me	etre
			Say 2	20.000 metr	e @ Rs 88.0)9 / metre	Rs 17	761.80
	Supply of 16 sqmm voltages up to and in			ming IS 158	34/part I/198	8 for PVC I		I for XL
			Net Tota	al Quantity	45.000 me	etre		
	Net Total Quantity Say 45.000 metre @ Rs 128.00 / metre							
8	9.1.8	166	Say 45	5.000 metre				760.00
8	9.1.8 Supplying and maki size of PVC insula required.3 X 16 sq	ted and PVC	nation with b	rass compr	@ Rs 128.0	00 / metre	Rs 57	or follow
8	Supplying and maki size of PVC insula	ted and PVC . mm (25mm)	nation with b	rass compr XLPE alur	@ Rs 128.0 ession gland minium con	d and alum ductor cab	Rs 57 inium lugs file of 1.1 K 2.000 2.000 set	or follow
8	Supplying and maki size of PVC insula	ted and PVC . mm (25mm)	nation with b	rass compr XLPE alur	@ Rs 128.0 ession gland minium con Tota otal Deducte	d and alum ductor cab al Quantity	Rs 57	or follow
8	Supplying and maki size of PVC insula	ted and PVC . mm (25mm)	nation with b	rass compr XLPE alur To	@ Rs 128.0 ession gland minium con Tota otal Deducte	d and alumiductor cab	2.000 2.000 set 0.000 set 2.000 set	or follow
9	Supplying and maki size of PVC insula	ted and PVC . mm (25mm) 2	izes of FRLS	To Say 2.000	@ Rs 128.0 ession gland minium con Tota tal Deducte Net Tota set @ Rs 26 ated copper	d and alumiductor cab al Quantity d Quantity al Quantity 6.72 / set	Rs 57 inium lugs file of 1.1 KY 2.000 2.000 set 0.000 set 2.000 set Rs 5	or follow V grade
	Supplying and making size of PVC insulation required.3 X 16 squared.3 X 16 square	ted and PVC . mm (25mm) 2	izes of FRLS	To Say 2.000	@ Rs 128.0 ession gland minium con Tota tal Deducte Net Tota set @ Rs 26 ated copper	d and alumiductor cab al Quantity d Quantity al Quantity 6.72 / set	Rs 57 inium lugs file of 1.1 KY 2.000 2.000 set 0.000 set 2.000 set Rs 5	or follow V grade
	Supplying and making size of PVC insulation required.3 X 16 squared.3 X 16 square	ted and PVC . mm (25mm) 2 ing following s cessed steel/ F	izes of FRLS	To Say 2.000	@ Rs 128.0 ession gland minium con Tota tal Deducte Net Tota set @ Rs 26 ated copper .3 X 1.5 sq.1	d and alumiductor cab al Quantity d Quantity al Quantity 6.72 / set	Rs 57 inium lugs file of 1.1 KV 2.000 2.000 set 0.000 set 2.000 set Rs 5	or follow V grade 33.44 cable in
	Supplying and making size of PVC insulation required.3 X 16 squared.3 X 16 square	ted and PVC . mm (25mm) 2 ing following s cessed steel/ F	izes of FRLS	To Say 2.000 s	@ Rs 128.0 ession gland minium con Tota tal Deducte Net Tota set @ Rs 26 ated copper .3 X 1.5 sq.1	d and alumiductor cabal Quantity d Quantity d Quantity 6.72 / set conductor, mm	2.000 2.000 set 0.000 set 2.000 set 100.000	or follow grade 33.44 cable in
	Supplying and making size of PVC insulation required.3 X 16 squared.3 X 16 square	ted and PVC . mm (25mm) 2 ing following s cessed steel/ F	izes of FRLS	To Say 2.000 s	@ Rs 128.0 ession gland minium con Tota otal Deducte Net Tota set @ Rs 26 ated copper .3 X 1.5 sq.1	d and alumiductor cabal Quantity d Quantity d Quantity 6.72 / set conductor, mm	2.000 2.000 set 0.000 set 2.000 set 100.000 100.000 n	or follow / grade 33.44 cable in

	SP MCB - 4 Nos.		T				T	
		1					1.000	
					Tota	l Quantity	1.000 ead	h
				То	tal Deducte	d Quantity	0.000 ead	h
					Net Tota	l Quantity	1.000 ead	h
			Say 1	.000 each @	® Rs 19426.	00 / each	Rs 19	426.00
	Supply installation to sheet 70mm top do 200x200x12mm suit connector foundation street light output greaccessories as required.	iameter, 130 itable for win holt 4 nos fieater than 105 red.	omm botton d speed as ixed in existi	n diameter per IS 875 ing RCC fou	thickness Part III sir Indation and	3mm base ngle arm bi d junctions	e plate dim racket 0.5n box etc. wit complete v	ensions nt includ h 45W L
		12	11/6	23/1	4 4 1	10	12.000	-1-
		14	DE		1 17	I Quantity	12.000 ea	
		16745		10	tal Deducte		0.000 ead	
						10		
12	90.16.2.5	Other Fr		2.000 each @	® Rs 23131.		12.000 ea	7575.60
12	90.16.2.5 Supply and laying cexcavating trench o		ngineeri ng sizes of	ng Orga B class GI	Rs 23131. Anisatio	30 / each	Rs 27	7575.60
12	Supply and laying of	of the following	ngineeri ng sizes of	ng Orga B class GI	Rs 23131. Anisatio	30 / each	Rs 27	7575.60
12	Supply and laying of	of the following f suitable siz	ngineering sizes of le and refillir	ng Orga B class GI	Rs 23131. anisatio pipe laid 0.0 equired.50	30 / each	Rs 27 ground lev I. pipe (me	7575.60 el includ dium cla
12	Supply and laying of	of the following f suitable siz	ngineering sizes of le and refillir	ng Orga B class GI _I ng etc, as re	Rs 23131. anisatio pipe laid 0.0 equired.50	30 / each 11S 6 m below mm dia. G.	ground lev I. pipe (me	7575.60 el includ dium cla
12	Supply and laying of	of the following f suitable siz	ngineering sizes of le and refillir	ng Orga B class GI _I ng etc, as re	Rs 23131. anisatio pipe laid 0.0 equired.50 Tota otal Deducted	30 / each 11S 6 m below mm dia. G.	Rs 27 ground lev I. pipe (me 16.000 16.000 m	7575.60 el includ dium cla etre
12	Supply and laying of	of the following f suitable siz	ng sizes of e and refillir	ng Orga B class GI _I ng etc, as re	Rs 23131. anisatio pipe laid 0.0 equired.50 Tota otal Deducted	30 / each INS 6 m below mm dia. G. al Quantity d Quantity al Quantity	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me	7575.60 el includ dium cla etre
	Supply and laying of excavating trench of the	of the following f suitable sized and the following f suitable sized and the following following from the	ngineeri ng sizes of e and refillir 16.000 Say 1	ng Orga B class GI p ng etc, as re To 6.000 metre	Rs 23131. Anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0	30 / each 10 S 6 m below mm dia. G. al Quantity d Quantity al Quantity 22 / metre CF	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me 16.000 m Rs 7	r575.60 el includ dium cla etre tre etre 584.32
SI No	Supply and laying of excavating trench of the except trench of the excavating trench of the except trench of the excavating trench of the excavati	of the following f suitable sized and the following f suitable sized and the following fractions of th	ngineeri ng sizes of e and refillir 16.000 Say 1	ng Orga B class GI p ng etc, as re To 6.000 metre	Rs 23131. Anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0	30 / each 10 S 6 m below mm dia. G. al Quantity d Quantity al Quantity 22 / metre CF	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me 16.000 m Rs 7	r575.60 el includ dium cla etre tre etre 584.32
	Supply and laying of excavating trench of the	of the following f suitable sized and the following	sizes of e and refillir 16.000	ng Orga B class GI p ng etc, as re To 6.000 metre	Rs 23131. Anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0	30 / each 10 S 6 m below mm dia. G. al Quantity d Quantity al Quantity 22 / metre CF	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me 16.000 m Rs 7	r575.60 el includ dium cla etre tre etre 584.32
SI No	Description ADMINIST od163371/2019_202	of the following f suitable sized and the following	sizes of e and refillir 16.000	ng Orga B class GI p ng etc, as re To 6.000 metre	Rs 23131. Anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0	30 / each 10 S 6 m below mm dia. G. al Quantity d Quantity al Quantity 22 / metre CF	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me 16.000 m Rs 7	r575.60 el includ dium cla etre tre etre 584.32
SI No	Description ADMINIST od163371/2019_202	of the following f suitable sized at the siz	sizes of e and refillir 16.000	ng Orga B class GI p ng etc, as re To 6.000 metre	Rs 23131. anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0 D R HVAC SY	30 / each 10 S 6 m below mm dia. G. al Quantity d Quantity al Quantity 22 / metre CF	Rs 27 ground lev I. pipe (me 16.000 16.000 m 0.000 me 16.000 m Rs 7 Quantity	el includ dium cla etre etre etre Remark
SI No	Description ADMINIST od163371/2019_202	of the following f suitable sized at the siz	sizes of e and refillir 16.000	ng Orga B class GI ing etc, as re To 6.000 metre	Rs 23131. anisatio pipe laid 0.0 equired.50 Tota tal Deducted Net Tota @ Rs 474.0 D R HVAC SY	30 / each INS 6 m below mm dia. G. al Quantity d Quantity l Quantity CF STEM WOF	Rs 27 ground lev I. pipe (me 16.000 m 0.000 me 16.000 m Rs 7 Quantity RKS	el includ dium cla etre etre Remark
SI No	Description ADMINIST od163371/2019_202	of the following f suitable sized at the siz	sizes of e and refillir 16.000	ng Orga B class GI ing etc, as re To 6.000 metre	Rs 23131. anisatio pipe laid 0.0 equired.50 Tota tal Deducted Rs 474.0 D R HVAC SY Tota otal Deducted	30 / each INS 6 m below mm dia. G. al Quantity d Quantity l Quantity CF STEM WOF	Rs 27 ground lev I. pipe (me 16.000 m 0.000 me 16.000 m Rs 7 Quantity RKS	el includ dium cla etre etre Remark

	od163372/2019_202 Supply and installati 13/19mm thickness.		ant Copper p	iping insula	ated with Nit	rile Rubber	Tubular ins	ulation wit
		1	40.000				40.000	
					Tota	al Quantity	40.000 m	etre
				To	tal Deducte	d Quantity	0.000 me	tre
					Net Tota	al Quantity	40.000 m	etre
			Say 40.0	000 metre	@ Rs 1327.0	00 / metre	Rs 53	080.00
3	od163376/2019_202 Supply & installation compressors with all condenser fan,auto of capacities and quan COMPRESSOR)	n of Modular inverter type check function	compressor(s	s) only,spe on error,aut	cial acryl pro o address s	e-coated he etting,with r	at exchange nultiple outo	er,low noi loor units
	COMI RECORN	1	DF 9	R W	1 13		1.000	
		1 1	LAME	N/A	Tota	al Quantity	1.000 eac	:h
		1/55	100	To	tal Deducte	7	0.000 eac	
		466			ACCESS OF	al Quantity	1.000 eac	
			Say 1.0	00 each @	Rs 140510.	-	Rs 14	0510.00
4	od163392/2019_202			IE OIE	amsauo	119		
	multi speed fan mot filters shall be wash	or,The blower		with compa namicaly ba	act cooling of alanced and	oil,electron designed f	for silent op	eration ,t
	multi speed fan mot	or,The blower able type .Dra	shall be dyn	with compa namicaly ba	act cooling of alanced and e indoor uni	oil,electron designed f	for silent op rrier VRF In	eration ,t door Unit
	multi speed fan mot	or,The blower able type .Dra	shall be dyn	with compa namicaly ba a part of the	act cooling of alanced and e indoor uni	oil,electron designed f t.(1 TR Car al Quantity	for silent op rier VRF In 2.000	eration ,t door Unit
	multi speed fan mot	or,The blower able type .Dra	shall be dyn	with compa namicaly ba a part of the	act cooling of alanced and e indoor united Total Deducte	oil,electron designed f t.(1 TR Car al Quantity	cor silent op rrier VRF In 2.000 2.000 eac	eration ,t door Unit
	multi speed fan mot	or,The blower able type .Dra	shall be dyn ain Pump is a	with compariant comparison of the compa	act cooling of alanced and e indoor united Total Deducte	designed for t.(1 TR Carella Quantity d Quantity	2.000 eac 2.000 eac 2.000 eac	eration ,t door Unit
5	multi speed fan mot	or,The blower able type .Dra 2 2 0 n of 1.00 TR	Shall be dynain Pump is a Say 2.	with companion and the companion of the	Total Deducte Net Total Rs 26449	designed for the design	2.000 eac 2.000 eac 2.000 eac Rs 52	eration ,t door Unit h h h
5	multi speed fan mot filters shall be wash od212814/2019_202 Supply & installation	or,The blower able type .Dra 2 2 0 n of 1.00 TR	Shall be dynain Pump is a Say 2.	with companion and the companion of the	Total Deducte Net Total Rs 26449	designed for the design	2.000 eac 2.000 eac 2.000 eac Rs 52	eration ,t door Unit h h h
5	multi speed fan mot filters shall be wash od212814/2019_202 Supply & installation	or,The blower able type .Dra 2 0 n of 1.00 TR flake: Carrier	Shall be dynain Pump is a Say 2.	with companion and the companion of the	Total stall Deducte Net Total Rs 26449. I mounted users	designed for the design	2.000 eac 2.000 eac 2.000 eac 2.000 eac 8 \$ 52	eration ,t door Unit
5	multi speed fan mot filters shall be wash od212814/2019_202 Supply & installation	or,The blower able type .Dra 2 0 n of 1.00 TR flake: Carrier	Shall be dynain Pump is a Say 2.	with comparation and part of the Tombook of the Tom	Total stall Deducte Net Total Rs 26449. I mounted users	designed for t.(1 TR Carell Quantity do Quantity 00 / each and Quantity of Qua	2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac Rs 52	eration ,t door Unit th th 898.00 ng] Copp
5	multi speed fan mot filters shall be wash od212814/2019_202 Supply & installation	or,The blower able type .Dra 2 0 n of 1.00 TR flake: Carrier	Shall be dynain Pump is a Say 2.	with comparation and part of the Tombook of the Tom	Tota Net Tota Rs 26449 mounted usestar) Tota tal Deducte	designed for t.(1 TR Carell Quantity do Quantity 00 / each and Quantity of Qua	2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac 3 * Star rati	eration ,t door Unit h h 898.00 ng] Copp
5	multi speed fan mot filters shall be wash od212814/2019_202 Supply & installation	or,The blower able type .Dra 2 0 n of 1.00 TR flake: Carrier	Say 2.	with comparation and comparation to the comparation of the comparation	Tota Net Tota Rs 26449 mounted usestar) Tota tal Deducte	designed for t. (1 TR Caral Quantity d Quantity 00 / each and Quantity d Quantity	2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac 2.000 eac 1.000 eac 1.000 eac 1.000 eac	eration ,t door Unit

2 0	od134828/2019_2020 SITC of PANASONIC extensions od134829/2019_2020 Supply, Installation, Te Glass Door,Side Open Kit10	1 esting and co	Say 1	To 1.000 each @	Total Deducted Net Total Rs 24110.	al Quantity d Quantity al Quantity .00 / each	1.000 1.000 each 0.000 each 1.000 each Rs 24	h h
;	Supply, Installation, Te	esting and contable Panels	ommissionin	1.000 each @	Net Tota Rs 24110. Ition box for	d Quantity al Quantity .00 / each	1.000 each 0.000 each 1.000 each Rs 24	h h
;	Supply, Installation, Te	nable Panels	ommissionin	1.000 each @	Net Tota Rs 24110. Ition box for	d Quantity al Quantity .00 / each	0.000 each	h h
;	Supply, Installation, Te	nable Panels	ommissionin	1.000 each @	Net Tota Rs 24110.	al Quantity .00 / each	1.000 eac	h
;	Supply, Installation, Te	nable Panels	ommissionin	ng Of distribu	Rs 24110.	.00 / each	Rs 24	
;	Supply, Installation, Te	nable Panels	ommissionin	ng Of distribu	ıtion box for			110.00
;	Supply, Installation, Te	nable Panels		- T		CCTV 6Ux	600M/ve00D	
			N 2 19		JA F DO, 10	J Cable Mar	nager,Coolir	
		2	N. A.	A3 /			2.000	
		12	1		1992	al Quantity	2.000 no	
		181.		10	tal Deducte	البيان	0.000 no	
				Say 2.000 n		al Quantity	2.000 no	222.00
1	MIC, FREQUENCY RELESS THAN 1% AT 1 INPUT SIGNALS WITH	I KHZ,1/3 F H 0-30 DB <i>P</i>	RATED POV	WER, MUTII ON,CONTRO	NG FUNCT OLS-INDIVII	ION-MIC 1	OVERRIDE	S OTH
;	SWITCH;BASS: 10DB			DB A11000	UHZ.		4.000	
		1			Tate	ol Ougatity	1.000	
						al Quantity	0.000 eac	
				10	tal Deducte			
	Net Total Quantity 1.000 each							129.00
;	od134831/2019_2020 Supply Installation tes networks and internet	•	· · · · · · · · · · · · · · · · · · ·	g of 10/100/ ²	1000 Mbps	24 Port Net	twork Switch	ı to prov
;	Supply Installation tes	•	ommissioning	g of 10/100/	1000 Mbps	24 Port Net	twork Switch	to prov
;	Supply Installation tes	on class ro	ommissioning	g of 10/100/	·	24 Port Net		
;	Supply Installation tes	on class ro	ommissioning		·	al Quantity	1.000	h

			Say	1.000 each	@ Rs 9083	3.00 / each	Rs 9	083.00	
5	od134832/2019_2020 Supply, installation, te LCD/LED display & ke software (Web based	esting and co	PIP LAN, US	_	_			-	
	(2					2.000		
					Tot	al Quantity	2.000 ead	:h	
				То		ed Quantity	0.000 ead		
						al Quantity	2.000 ead		
			Say	2.000 each				316.00	
6	od134833/2019 2020		-	6					
	Supply and laying of C	at6 outdoor	cable includ	ling necessa	ry connecto	ors br>			
		1	160.000		1		160.000		
		1	JY 3	K W	Tot	al Quantity	160.000 r	netre	
		1/2		То	tal Deducte	ed Quantity	0.000 me	tre	
					Net Tot	al Quantity	160.000 r	netre	
	Net Total Quantity Say 160.000 metre @ Rs 85.00 / metre							160.000 metre	
7	od134834/2010, 2020	146	Say 1	60.000 metro	Reserved (1)	00 / metre	Rs 13	600.00	
7	od134834/2019_2020 Supply, Installation, To with line matching trans	esting and c	ommissioni	ng of 6W Wa	e @ Rs 85.	peakers with	n perforated		
7	Supply, Installation, To	esting and c	ommissioni	ng of 6W Wa	e @ Rs 85.	peakers with	n perforated		
7	Supply, Installation, To	esting and c	ommissioni	ng of 6W Wa	e @ Rs 85. all mount s	peakers with	perforated	metal gri	
7	Supply, Installation, To	esting and c	ommissioni	ng of 6W Wa	e @ Rs 85. all mount s nce 200 mr	peakers with n dia LBD 0	6.000 eac	metal gri	
7	Supply, Installation, To	esting and c	ommissioni	ng of 6W Wa	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte	peakers with n dia LBD 0 al Quantity	6.000 eac	metal gri	
7	Supply, Installation, To	esting and c	ommissionii table for 4 c	ng of 6W Wa	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot	peakers with m dia LBD 0 al Quantity al Quantity al Quantity	6.000 eac 6.000 eac 6.000 eac	metal gri	
8	Supply, Installation, To	esting and consformer suited	ommissionii table for 4 c	ng of 6W Washing of 6W To	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361	peakers with n dia LBD 0 al Quantity ed Quantity al Quantity .00 / each	606/10 6.000 6.000 eac 0.000 eac 6.000 eac Rs 8	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited	ommissionii table for 4 c	ng of 6W Washing of 6W To	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361	peakers with n dia LBD 0 al Quantity ed Quantity al Quantity .00 / each	606/10 6.000 6.000 eac 0.000 eac 6.000 eac Rs 8	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited from the string and constitute fr	ommissionii table for 4 c	ng of 6W Washing of 6W To	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361	peakers with n dia LBD 0 al Quantity ed Quantity al Quantity .00 / each	606/10 6.000 6.000 eac 0.000 eac 6.000 eac Rs 8	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited from the string and constitute fr	ommissionii table for 4 c	ng of 6W Washing impedar To 6.000 each	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 0/100/1000	peakers with n dia LBD 0 al Quantity al Quantity .00 / each	606/10 6.000 6.000 eac 0.000 eac 6.000 eac Rs 8	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited from the string and constitute fr	ommissionii table for 4 c	ng of 6W Washing impedar To 6.000 each	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 0/100/1000 Tot tal Deducte	peakers with n dia LBD 0 al Quantity al Quantity .00 / each D Mbps PoE al Quantity	606/10 6.000 6.000 eac 0.000 eac 6.000 eac Rs 8 Switch. 2.000 2.000 eac	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited from the string and constitute fr	Say	ng of 6W Washing impedar To 6.000 each	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 0/100/1000 Tot tal Deducte Net Tot	peakers with n dia LBD 0 al Quantity al Quantity .00 / each D Mbps PoE al Quantity ad Quantity ad Quantity ad Quantity al Quantity al Quantity al Quantity	n perforated 606/10 6.000 6.000 eac 0.000 eac 0.000 Rs 8 Switch. 2.000 2.000 eac 0.000 eac 0.000 eac 0.000 eac 0.000	metal gri	
	Supply, Installation, Towith line matching transmit of the second of the	esting and consformer suited from the string and correct the string	Say Say	To 6.000 each To 2.000 each @	e @ Rs 85. all mount s nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 0/100/1000 Tot tal Deducte Net Tot etal Deducte Net Tot @ Rs 26881	peakers with n dia LBD 0 al Quantity al Quantity .00 / each D Mbps PoE al Quantity ad Quantity ad Quantity ad Quantity al Quantity al Quantity al Quantity	n perforated 606/10 6.000 6.000 eac 0.000 eac 0.000 Rs 8 Switch. 2.000 2.000 eac 0.000 eac 0.000 eac 0.000 eac 0.000	metal gri	

					Tota	al Quantity	20.000 ea	ach
				To	otal Deducte		0.000 eac	
						al Quantity	20.000 ea	
			Sav	20.000 eac	n @ Rs 367	<u> </u>		354.00
10	od134837/2019 2020						1 110 1	
. •	Supply, installation, tes	sting and co	mmissioning	of 20 PAIR	BOX WITH	KRONE MO	DDULES	
		1					1.000	
					Tota	al Quantity	1.000 eac	:h
				To	otal Deducte	d Quantity	0.000 eac	:h
					Net Tota	al Quantity	1.000 eac	:h
			Say	1.000 each	@ Rs 1182	.00 / each	Rs 1	182.00
11	od134838/2019_2020		1.0					
	Supply & Installation of	f telephone	cable 10 pai	through P\	/C conduit.	Z.	I	
		1	30.000	37/1	4 4 1		30.000	
		NA	DIV		Tota	al Quantity	30.000 m	etre
		1014		To	tal Deducte	d Quantity	0.000 me	tre
		1		an of 1	Net Tota	al Quantity	30.000 m	etre
	6	thar Er			e @ Rs 66.0		Rs 1	980.00
12	od134839/2019_2020	ther Er		ng Org	_	ns		
	Supply & Installation of	f UG telepho	ne cable jel	ly filled, 10 p	pair	1		
		1	30.000				30.000	
					Tota	al Quantity	30.000 m	etre
				To	otal Deducte	d Quantity	0.000 me	tre
					Net Tota	al Quantity	30.000 m	etre
			Say 3	0.000 metre	@ Rs 123.0	00 / metre	Rs 3	690.00
13	od134840/2019_2020 Supply,Installation, T accessories for conn	_	ommissionir	g of Telep	hone of ap	proved mal	kes includir	ng all ot
		10					10.000	
		1		ı	Tota	al Quantity	10.000 ea	nch
				To	otal Deducte	-	0.000 eac	
						al Quantity	10.000 ea	
			Say 1	0.000 each	@ Rs 1141	-		410.00
14	od134841/2019_2020 Supply, installation, tes	sting and co	•				1	

	10	10.000
	Total Quantity	10.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	10.000 each
	Say 10.000 each @ Rs 357.83 / each	Rs 3578.30
15	od134842/2019_2020 Supply, Installation, Testing and commissioning of Distribution box for PA distribution SWG CRCA sheet with lockable door arrangement having connectors (10 NOS wire with facity for cable termination of 4cx10 sqmm ALAR. Required at extermination.	s) suitable for 1.5sqm
	1	1.000
	Total Quantity	1.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	1.000 each
	Say 1.000 each @ Rs 836.00 / each	Rs 836.00
16	od134843/2019_2020 Supply, Installation, Testing and commissioning of XLR cables and connectors	
	4	4.000
	Other Engineering Organisa Italia	4.000 each
	Other Engineering Organisations Total Deducted Quantity	0.000 each
	Net Total Quantity	4.000 each
	Say 4.000 each @ Rs 2044.00 / each	Rs 8176.00
17	od134844/2019_2020 Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC conduit.	insulated through PV
	1 120.000	120.000
	Total Quantity	120.000 metre
	Total Deducted Quantity	0.000 metre
	Net Total Quantity	120.000 metre
	Say 120.000 metre @ Rs 66.00 / metre	Rs 7920.00
18	od134845/2019_2020 Supply, installation, testing and commissioning of indoor IR IP dome camera 2 focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.	MP 2.1mm/4mm/6m
	16	16.000

				To	otal Deducte	d Quantity	0.000 eac	h
						al Quantity	16.000 ea	
			Sav 1	6.000 each	@ Rs 5957.			312.00
19	od134846/2019_2020 Supply, installation, test	J	ommissionin	g of Outdoo	or IR IP bulle			
		10					10.000	
					Tota	al Quantity	10.000 ea	ch
				To	otal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	10.000 ea	ch
			Say 10	0.000 each @	@ Rs 10299	.00 / each	Rs 102	2990.00
	Network Video Record 1080P high definition resolution up to 1920 channe, 1080P video capacity up to 4TB.	network vic ×1080P/60I	leo input an Iz Supports	nd storage S s 256Mbps	Support sim bandwidth	ultaneous I throughput	HDMI and V	/GA output Supports 4-
	1	1					1.000	
			no Die	m 1012	Tota	al Quantity	1.000 eac	h
	0	ther En	gineeri	ng Or y o	otal Deducte	d Quantity	0.000 eac	h
		D - 1			Net Tota	al Quantity	1.000 eac	h
			Say 1	.000 each @	® Rs 50375	.00 / each	Rs 50	375.00
21	od134848/2019_2020 Supply, installation, tes	ting and cor	mmissioning	of 32" Flat	Screen VGA	Color Mon	itor.	
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				To	otal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
			Say 1	.000 each @	@ Rs 22215	.00 / each	Rs 22	215.00
22	od134849/2019_2020 Supply and drawing of	CAT6 4 pair	cable inclu	ding all nece	essary conn	ector.		
		1	300.000				300.000	
					Tota	al Quantity	300.000 n	netre
				To	otal Deducte	d Quantity	0.000 met	re
					Net Tota	al Quantity	300.000 n	netre
			Say 3	00.000 metr	e @ Rs 39.0	00 / metre	Rs 11	700.00

23	od134850/2019_2020	tina ond a	mmine!==!	a of Coto 04	Dort un la -	lad Datab D	anal	
	Supply, Installation, tes		mmissioning 	g of Cat6 24	Port un load	led Patch P		
		2					2.000	
					Tota	al Quantity	2.000 eac	:h
				То	tal Deducte	d Quantity	0.000 eac	:h
					Net Tota	al Quantity	2.000 eac	:h
			Say	2.000 each	@ Rs 1614	.00 / each	Rs 32	228.00
24	od134851/2019_2020 Supply, installation, test	ting and cor	mmissionino	of Cat6 I/O	for Patch Pa	anel Shutte	red.	
	Саррту, позащанот, то	48		, o. cate c			48.000	
			m.	-Si-	Tot	L Quantity	48.000 ea	ıch
			1/1	То			0.000 eac	
			£3 B	10	tal Deducte			
		610	N. P.	AS A	. 17	al Quantity	48.000 ea	
		(k	Say	48.000 each	n @ Rs 222.	.00 / each	Rs 10	656.00
	Supplying and draw conductor, unarmored to Pair	A 150 PM						
	conductor,unarmored to	A 150 PM		existing surfa		ed steel/ PV		
	conductor,unarmored to	elephone ca	able in the ϵ	existing surfa	ace/ recesse	ed steel/ PV	C conduit a	s require
	conductor,unarmored to	elephone ca	able in the ϵ	existing surfa	ace/ recesse	ns Quantity	180.000	s require
	conductor,unarmored to	elephone ca	able in the ϵ	existing surfa	Total Deducte	ns Quantity	180.000 n	netre
	conductor,unarmored to	elephone ca	180.000	existing surfa	Total Deducte Net Total	ed steel/ PV al Quantity d Quantity al Quantity	180.000 n 0.000 met 180.000 n	netre
26	conductor,unarmored to	the Er	Say 1	To 80.000 metro	Total Deducte Net Total e @ Rs 25.0	al Quantity d Quantity al Quantity O9 / metre	180.000 n 0.000 me 180.000 n Rs 48	netre tre 516.20
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	the Er	Say 1	To 80.000 metro	Total Deducte Net Total e @ Rs 25.0	al Quantity d Quantity al Quantity O9 / metre	180.000 n 0.000 me 180.000 n Rs 48	netre tre 516.20
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	the Error following so the wall a	Say 1	To 80.000 metro	Total Deducte Net Total e @ Rs 25.0	al Quantity d Quantity al Quantity O9 / metre	180.000 n 180.000 n 0.000 me 180.000 n Rs 4	netre tre netre 516.20 s in surfa
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	the Error following so the wall a	Say 1	To 80.000 metrodium class P good the sar	Total Deducte Net Total e @ Rs 25.0	al Quantity Og / metre along with of recessed	180.000 n 180.000 n 0.000 me 180.000 n Rs 49 accessories conduit as	netre tre netre 516.20 s in surfa required
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	the Error following so the wall a	Say 1	To 80.000 metrodium class P good the sar	Total Deducte Net Total VC conduit me in case of total Deducte Total tal Deducte	al Quantity Og / metre along with of recessed	180.000 n 0.000 mer 180.000 n Rs 49 accessories conduit as 180.000 n	netre tre 516.20 s in surfa required
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	the Error following so the wall a	Say 1 sizes of mediand making (To 80.000 metrodium class P good the sar	Total Deducte Net Total VC conduit me in case of tall Deducte Total Net Total And Deducte Net Total Net Total	al Quantity al Quantity of recessed al Quantity d Quantity of quantity d Quantity al Quantity d Quantity	180.000 n 0.000 mer 180.000 n Rs 4: accessories conduit as 180.000 n 0.000 mer 180.000 n	netre tre 516.20 s in surfa required
26	conductor, unarmored to Pair 1.21.1 Supplying and fixing of recess including cutting	following so the wall a	Say 1 Sizes of medind making (180.000	80.000 metro	Total Deducte Net Total VC conduit me in case of tall Deducte Net Total And Deducte Re @ Rs 25.0	al Quantity d Quantity al Quantity O9 / metre along with of recessed al Quantity d Quantity d Quantity	180.000 n 0.000 me 180.000 n Rs 4! accessories conduit as 180.000 n 0.000 me 180.000 n Rs 13	netre tre netre 516.20 s in surfa required netre

						Tot	al Quantity	1.000 eac	:h
					То	tal Deducte	ed Quantity	0.000 eac	h
						Net Tot	al Quantity	1.000 eac	ch
			Sa	y 1.000 ea	ach	@ Rs 5505	5.00 / each	Rs 5	505.00
SI No	Description	No	L	В		D	CF	Quantity	Remark
	6 NEW	SMART CLA	SS ROOM	(ELECTF	RIC	AL WORK	S - 2 NOS)		
1	od134832/2019_2020 Supply, installation, to LCD/LED display & ke software (Web based	esting and co	PIP LAN, U	•		•			-
		2						2.000	
			Shi	MA)		Tot	al Quantity	2.000 eac	:h
			(1)	MIS	То	tal Deducte	ed Quantity	0.000 eac	:h
		1	K.		W	Net Tot	al Quantity	2.000 eac	:h
		(k)	Sa	y 2.000 ea	ach	@ Rs 7658	3.00 / each	Rs 15	316.00
	Supply, Installation, T	3. 15 1						•	metal gril
	with line matching train	3. 15 1	table for 4	ohm impe	edar rga	nce 200 mr	n dia LBD 0 al Quantity	4.000 4.000 eac 0.000 eac	ch ch
	with line matching train	nsformer sui	ngineer	ohm impe	rga To	anisation Total Deducted Net Total	al Quantity al Quantity al Quantity	4.000 eac 4.000 eac 4.000 eac 4.000 eac	ch ch
3	with line matching train	4 Other En	ngineer Sa	ohm impe	To ach	nce 200 mr Anisation Tot tal Deducte Net Tot @ Rs 1361	al Quantity al Quantity al Quantity	4.000 eac 4.000 eac 4.000 eac 4.000 eac	ch ch
3	with line matching training tr	4 Other En	ngineer Sa	ohm impe	To ach	nce 200 mr Anisation Tot tal Deducte Net Tot @ Rs 1361	al Quantity al Quantity al Quantity	4.000 eac 4.000 eac 4.000 eac 4.000 eac	ch ch
3	with line matching training tr	sting and cor	ngineer Sa	ohm impe	To ach	nce 200 mr Anisatic Tot tal Deducte Net Tot @ Rs 1361	al Quantity al Quantity al Quantity	4.000 eac 4.000 eac 4.000 eac 4.000 eac 4.000 eac	ch ch ch 444.00
3	with line matching training tr	sting and cor	ngineer Sa	ohm impe	To	nce 200 mr anisation Tot tal Deducte Net Tot @ Rs 1361 ket. Tot	al Quantity al Quantity al Quantity .00 / each	4.000 eac 4.000 eac 4.000 eac 4.000 eac 4.000 eac Rs 5	ch ch 444.00
3	with line matching training tr	sting and cor	ngineer Sa	ohm impe	To	nce 200 mr anisation Tot tal Deducte Net Tot @ Rs 1361 ket. Tot tal Deducte	al Quantity al Quantity al Quantity .00 / each	4.000 eac 4.000 eac 4.000 eac 4.000 eac 4.000 eac 2.000	ch
3	with line matching training tr	sting and cor	sammissionin	y 4.000 ea	To To	nce 200 mr anisation Tot tal Deducte Net Tot @ Rs 1361 ket. Tot tal Deducte	al Quantity al Quantity al Quantity .00 / each al Quantity al Quantity	2.000 eac 2.000 eac 2.000 eac 2.000 eac	ch
3	with line matching training tr	sting and cor	sagments soning	y 4.000 ea	To To	nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 Ket. Tot tal Deducte Net Tot n @ Rs 367	al Quantity	2.000 each 2.000 each Rs 7	ch ch ch 444.00
	od134836/2019_2020 Supply, installation, te od134844/2019_2020 Supply & laying of tw	sting and cor	sagments soning	y 4.000 ea	To To	nce 200 mr Tot tal Deducte Net Tot @ Rs 1361 Ket. Tot tal Deducte Net Tot n @ Rs 367	al Quantity	2.000 each 2.000 each Rs 7	ch ch ch 444.00

				To	tal Deducte	d Quantity	0.000 met	re
					Net Tota	al Quantity	30.000 me	etre
			Say 30.00	0 metr	e @ Rs 66.0	00 / metre	Rs 19	00.08
5	od134845/2019_2020 Supply, installation, te focal length lens capa	•	_				MP 2.1mm	/4mm/6mm
		4					4.000	
					Tota	al Quantity	4.000 eac	h
				To	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	4.000 eac	h
			Say 4.000	each	@ Rs 5957.	00 / each	Rs 23	828.00
6	od134849/2019_2020 Supply and drawing of	CAT6 4 pair	r cable including a	all nece	essary conne	ector.		
		1	70.000	N	717		70.000	
		12	THE STATE OF THE S		Tota	al Quantity	70.000 me	etre
		162	Land	To	tal Deducte	d Quantity	0.000 met	re
		TO THE			Net Tota	al Quantity	70.000 me	etre
			Say 70.00	0 metr	e @ Rs 39.0	00 / metre	Rs 27	30.00
7	od133837/2019_2020 Supply, installation, te						complete w	ith all othe
	accessories. Active in	9)	_		ry with Pror	nethean bo	•	un an ouie
	accessories. Active in	9)	_		ry with Pror	nethean bo	•	ur an oure
	accessories. Active in	spire softwa	_			nethean bo	oard.	ur an oure
	accessories. Active in	spire softwa	_	imenta		al Quantity	2.000	ur an oure
	accessories. Active in	spire softwa	_	imenta	Tota	al Quantity	2.000 2.000 no	ur an oure
	accessories. Active in	spire softwa	are will be compl	To	Tota	al Quantity d Quantity al Quantity	2.000 no 2.000 no 2.000 no 2.000 no	000.00
8	od133834/2019_2020 Supply, installation, tes with all accessories as	spire software 2	Say 2	To	Total Deducted Net Total Of @ Rs 3400	al Quantity d Quantity al Quantity 00.00 / no	2.000 2.000 no 0.000 no 2.000 no Rs 68	000.00
8	od133834/2019_2020 Supply, installation, tes	spire software 2	Say 2	To	Total Deducted Net Total Of @ Rs 3400	al Quantity d Quantity al Quantity 00.00 / no	2.000 2.000 no 0.000 no 2.000 no Rs 68	000.00
8	od133834/2019_2020 Supply, installation, tes	spire softwa 2 sting, and corequired.	Say 2	To	Total Deducted Net Total O @ Rs 3400 ector and ro	al Quantity d Quantity al Quantity 00.00 / no	2.000 2.000 no 0.000 no 2.000 no Rs 68	000.00
8	od133834/2019_2020 Supply, installation, tes	spire softwa 2 sting, and corequired.	Say 2	To .000 no	Total Deducted Net Total O @ Rs 3400 ector and ro	al Quantity d Quantity al Quantity 00.00 / no of mount fo	2.000 no 2.000 no 2.000 no Rs 68	000.00
8	od133834/2019_2020 Supply, installation, tes	spire softwa 2 sting, and corequired.	Say 2	To .000 no	Total Deducted Net Total O @ Rs 3400 ector and ro	al Quantity d Quantity al Quantity 00.00 / no of mount fo	2.000 no 2.000 no 2.000 no 2.000 no Rs 68 r LT projecto 2.000 2.000 set	000.00
8	od133834/2019_2020 Supply, installation, tes	spire softwa 2 sting, and corequired.	Say 2	To .000 no	Total Deducted Net Total O @ Rs 3400 ector and ro	al Quantity d Quantity al Quantity 00.00 / no of mount fo	2.000 no 2.000 no 2.000 no 2.000 no Rs 68 r LT projecto 2.000 2.000 set 0.000 set 2.000 set	000.00

				•	L WORKS - 12 N	•		
1	od134832/2019_2020 Supply, installation, te LCD/LED display & ke	•	_		•	•		
	software (Web based			Connectivity	along with Atten	dance monitoring & rep		
		12				12.000		
				•	Total Quanti	y 12.000 each		
				Total I	Deducted Quanti	y 0.000 each		
					Net Total Quanti	y 12.000 each		
			Say 12.	000 each @ F	Rs 7658.00 / eacl	Rs 91896.00		
2	od134834/2019_2020		0.0					
	Supply, Installation, Towith line matching trans	ū			•			
		24	N. 3 60	1 30		24.000		
		11	MAG	DAIL	Total Quanti	y 24.000 each		
		NA	TDIE	Total I	Deducted Quanti	y 0.000 each		
		16/42			Net Total Quanti	y 24.000 each		
			Say 24.	000 each @ F	Rs 1361.00 / eacl	Rs 32664.00		
3	od134836/2019_2020 Supply, installation, testing and commissioning of LAN socket.							
		12	DI			12.000		
	and the state of t				Total Quanti	y 12.000 each		
			1/ 1	Total I	Total Quanti			
						y 0.000 each		
			Say 12		Deducted Quanti	y 0.000 each y 12.000 each		
4	od134844/2019_2020 Supply & laying of twi	in twisted 2		2.000 each @	Deducted Quanti Net Total Quanti Rs 367.70 / eacl	y 0.000 each y 12.000 each Rs 4412.40		
4	Supply & laying of twi	in twisted 2		2.000 each @	Deducted Quanti Net Total Quanti Rs 367.70 / eacl	y 0.000 each y 12.000 each Rs 4412.40		
4	Supply & laying of twi		2x1.5 sqmm Cu	2.000 each @	Deducted Quanti Net Total Quanti Rs 367.70 / eacl	y 0.000 each y 12.000 each Rs 4412.40 C insulated through F		
4	Supply & laying of twi		2x1.5 sqmm Cu	2.000 each @	Deducted Quantin Net Total Quantin Rs 367.70 / each	y 0.000 each y 12.000 each Rs 4412.40 C insulated through F 260.000 y 260.000 metre		
4	Supply & laying of twi		2x1.5 sqmm Cu	2.000 each @	Deducted Quantino Net Total Quantino Rs 367.70 / each 1.1 kv grade PV	y 0.000 each y 12.000 each Rs 4412.40 C insulated through F 260.000 y 260.000 metre y 0.000 metre		
4	Supply & laying of twi		2x1.5 sqmm Cu 260.000	2.000 each @	Deducted Quantit Net Total Quantit Rs 367.70 / eacl 1.1 kv grade PV Total Quantit Deducted Quantit	y 0.000 each y 12.000 each Rs 4412.40 C insulated through F 260.000 y 260.000 metre y 0.000 metre y 260.000 metre		
5	Supply & laying of twi		2x1.5 sqmm Cu 260.000	2.000 each @	Deducted Quantit Net Total Quantit Rs 367.70 / each 1.1 kv grade PV Total Quantit Deducted Quantit Net Total Quantit	y 0.000 each y 12.000 each Rs 4412.40 C insulated through F 260.000 y 260.000 metre y 0.000 metre y 260.000 metre		

						ı		
		24					24.000	
					Tota	al Quantity	24.000 ea	ıch
				To	tal Deducte	d Quantity	0.000 eac	:h
					Net Tota	al Quantity	24.000 ea	ıch
			Say 2	24.000 each	@ Rs 5957.	.00 / each	Rs 14	2968.00
6	od134849/2019_2020							
	Supply and drawing of (CAT6 4 pair	cable inclu	ding all nece	essary conne	ector.		
		1	460.000				460.000	
					Tota	al Quantity	460.000 n	netre
				To	tal Deducte	d Quantity	0.000 me	tre
			//60	<u> </u>	Net Tota	al Quantity	460.000 n	netre
			Say 4	60.000 metr	e @ Rs 39.0	00 / metre	Rs 17	940.00
7	od133837/2019_2020 Supply, installation, test accessories. Active installation						-	ith all othe
		12	1		والواري	1	12.000	
	75				Tota	al Quantity	12.000 nc)
			Dis Resi		tal Deducte		0.000 no	
	0	ther En	igineeri	ng Orga			0.000 no)
	0	ther En			aniset Tota	al Quantity	12.000 nc	8000.00
8	od133834/2019_2020 Supply, installation, tes with all accessories as	ting, and co	S	ng Orga ay 12.000 no	Net Tota © Rs 3400	Quantity 00.00 / no	12.000 no	8000.00
8	od133834/2019_2020 Supply, installation, tes	ting, and co	S	ng Orga ay 12.000 no	Net Tota © Rs 3400	Quantity 00.00 / no	12.000 no	8000.00
8	od133834/2019_2020 Supply, installation, tes	ting, and corequired.	S	ng Orga ay 12.000 no	Net Total	Quantity 00.00 / no	12.000 no	8000.00 or complet
8	od133834/2019_2020 Supply, installation, tes	ting, and corequired.	S	ay 12.000 no	Net Total	Quantity 00.00 / no nof mount fo	12.000 no Rs 406 r LT project 12.000	8000.00 or complet
8	od133834/2019_2020 Supply, installation, tes	ting, and corequired.	S	ay 12.000 no	Net Total O @ Rs 3400 ector and ro Total	Quantity 00.00 / no nof mount fo	12.000 no Rs 406 r LT project 12.000 12.000 se	or complete
8	od133834/2019_2020 Supply, installation, tes	ting, and corequired.	Sammissionin	ay 12.000 no	Net Total Office Rs 3400 ector and ro Total otal Deducte Net Total	Quantity 00.00 / no of mount for al Quantity d Quantity al Quantity	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set	or complete
8	od133834/2019_2020 Supply, installation, tes	ting, and corequired.	ommissionin	ng Organy 12.000 no	Net Total O @ Rs 3400 ector and ro Total otal Deducte Net Total it @ Rs 2459	al Quantity 00.00 / no of mount for al Quantity d Quantity al Quantity 00.00 / set	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set 12.000 set Rs 296	or complete
	od133834/2019_2020 Supply, installation, tes with all accessories as od134996/2019_2020	ting, and corequired.	ommissionin	ng Organy 12.000 no	Net Total O @ Rs 3400 ector and ro Total otal Deducte Net Total it @ Rs 2459	al Quantity 00.00 / no of mount for al Quantity d Quantity al Quantity 00.00 / set	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set 12.000 set Rs 296	or complet
	od133834/2019_2020 Supply, installation, tes with all accessories as od134996/2019_2020	ting, and correquired. 12	ommissionin	ng Organy 12.000 no	Net Total O @ Rs 3400 ector and ro Total otal Deducte Net Total i @ Rs 2459 Port un loac	al Quantity 00.00 / no of mount for al Quantity d Quantity al Quantity 00.00 / set	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set 12.000 set Rs 296 anel.	8000.00 or complet
	od133834/2019_2020 Supply, installation, tes with all accessories as od134996/2019_2020	ting, and correquired. 12	ommissionin	ay 12.000 no ag of LT Proj To y 12.000 set	Net Total O @ Rs 3400 ector and ro Total otal Deducte Net Total i @ Rs 2459 Port un loac	al Quantity 20.00 / no 20.00 / no 20.00 / no 21 Quantity 22 Quantity 23 Quantity 24 Quantity 26 Quantity 27 Quantity 28 Quantity 29 Quantity 29 Quantity 20 Quantity	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set 12.000 set 2.000	8000.00 or complet tt 5080.00
	od133834/2019_2020 Supply, installation, tes with all accessories as od134996/2019_2020	ting, and correquired. 12	ommissionin	ay 12.000 no ag of LT Proj To y 12.000 set	Total Deducte Net Total Orange Rs 3400 Rs 3400 Total Otal Deducte Rs 2459 Port un load Otal Deducte	al Quantity 20.00 / no 20.00 / no 20.00 / no 21 Quantity 22 Quantity 23 Quantity 24 Quantity 26 Quantity 27 Quantity 28 Quantity 29 Quantity 29 Quantity 20 Quantity	12.000 no Rs 406 r LT project 12.000 12.000 set 12.000 set 12.000 set 2.000 eac	or complete t 5080.00

10	od134997/2019_2020 Supply, installation, testin	g and co	mmissioning	of 16 Port	10/100/1000) Mbps PoE	Switch.		
	,	2				•	2.000		
					Tot	al Quantity	2.000 ead	ch	
				To	otal Deducte	ed Quantity	0.000 ead	ch	
					Net Tot	al Quantity	2.000 ead	ch	
			Say 2	2.000 each	@ Rs 14353	.00 / each	Rs 28	3706.00	
11	2.10.1 Supplying and fixing 5 a suitable for inductive load and commissioning etc. a	of follow	wing poles ir	n the existin					
		12	1/46	1/65			12.000		
			C. 03	11 1	Tot	al Quantity	12.000 ea	ach	
			JY 3	To	otal Deducte	ed Quantity	0.000 ead	ch	
		k			Net Tot	al Quantity	12.000 ea	ach	
	- 2	155	Say	12.000 eac	h @ Rs 228	.43 / each	Rs 2	741.16	
12	od134851/2019_2020 Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered.								
	Oth	acr Er	lgineeri	ng Org		ns al Quantity	32.000 32.000 ea	ach	
	-		Q	To	otal Deducte	ed Quantity	0.000 ead	ch	
		J			Net Tot	al Quantity	32.000 ea	ach	
			Say	32.000 eac	h @ Rs 222	2.00 / each	Rs 7	104.00	
13	1.14.1 Wiring for circuit/ submaicopper conductor, single sq.mm + 1x1.5 sq.mm ea	core cat arth wire	ole in surfac			•	onduit as re		
		1	150.000				150.000		
						al Quantity	150.000 r		
				То	otal Deducte		0.000 me		
						al Quantity	150.000 r		
			Say 15	0.000 metre	e @ Rs 147.	88 / metre	Rs 22	2182.00	
14	1.14.2 Wiring for circuit/ submail copper conductor, single sq. mm + 1 X 2.5 sq. mm	core cab	le in surface			•			

		1	150.000				150.000	
		ı	150.000		Total	al Occapita		
				Т.		al Quantity	150.000 n	
				10	otal Deducte		0.000 me	
			0- 45	0.000		al Quantity	150.000 n	
			Say 15	0.000 metre	@ RS 180.8	39 / metre	RS 27	133.50
15	1.32 Supplying and fixing so including providing and switch, connection etc.	d fixing 6 pi	in 5/6 & 15/	•				
		12					12.000	
			0	6	Tota	al Quantity	12.000 ea	ıch
			1900	To	tal Deducte	d Quantity	0.000 eac	:h
		1	E-2 1		Net Tota	al Quantity	12.000 ea	ıch
		610	Say	12.000 each	n @ Rs 536	.08 / each	Rs 6	432.96
	With Lock & Key,Side	7 7 7 8	1 40 / 1 20	1. 1 Br		600Wx600D PDU,1U C		
	With Lock & Key,Side Fan,H/W Kit10	Openable	1 40 / 1 20	1. 1 Br			Cable Mana	
	Fan,H/W Kit10	Openable 1	Panels with	1. 1 Br	ey,6Way 5A	PDU,1U C		ger,Cooli
	Fan,H/W Kit10	Openable 1	Panels with	ng Orga	ey,6Way 5A	PDU,1U C	1.000	ger,Cooli
	Fan,H/W Kit10	Openable 1	Panels with	ng Orga	ey,6Way 5A anisa Tota tal Deducte	PDU,1U C	1.000 eac	ger,Cooli h
	Fan,H/W Kit10	Openable 1	Panels with	ng Orga	ey,6Way 5A anisa Tota tal Deducte Net Tota	al Quantity d Quantity al Quantity	1.000 1.000 eac 1.000 eac	ger,Cooli h
17	Fan,H/W Kit10	1 Other En	Panels with a gineeri Say anodular swith	ng Orga To 1.000 each	ey,6Way 5A an1Sa Tota tal Deducte Net Tota @ Rs 8699 on the exis	al Quantity d Quantity al Quantity al Quantity .00 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 86	ger,Cooli h h h 699.00
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	1 Other En	Panels with a gineeri Say anodular swith	ng Orga To 1.000 each	ey,6Way 5A an1Sa Tota tal Deducte Net Tota @ Rs 8699 on the exis	al Quantity d Quantity al Quantity al Quantity .00 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 86	ger,Cooli h h h 699.00
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	1 Openable 1 Other En	Panels with a gineeri Say anodular swith	ng Orga To 1.000 each	ey,6Way 5A Total Deducte Net Tota @ Rs 8699 on the exist.	al Quantity d Quantity al Quantity al Quantity .00 / each	1.000 1.000 eac 0.000 eac 1.000 eac Rs 86 lar plate & s switch	ger,Cooli
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	1 Openable 1 Other En	Panels with a gineeri Say anodular swith	ng Orga To 1.000 each tch/ socket ar plate etc	ey,6Way 5A Total Deducte Net Tota @ Rs 8699 on the exist.	al Quantity d Quantity al Quantity .00 / each sting modu ed.5/6 amp	1.000 1.000 eac 0.000 eac 1.000 eac Rs 86 lar plate & s switch 24.000	ger,Cooli ch sh sepsoo
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	1 Openable 1 Other En	Panels with a gineeri Say anodular swith	ng Orga To 1.000 each tch/ socket ar plate etc	ey,6Way 5A Total Total Peducte Net Total Rs 8699 on the exist. as require Total	al Quantity d Quantity al Quantity .00 / each sting modu ed.5/6 amp	1.000 1.000 eac 0.000 eac 1.000 eac Rs 86 lar plate & s switch 24.000 24.000 eac	ger,Cooli h h sh switch b
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	1 Openable 1 Other En	Say nodular switching modular	ng Orga To 1.000 each tch/ socket ar plate etc	ey,6Way 5A Total Deducte Net Total @ Rs 8699 on the exist as require Total total Deducte Net Total	al Quantity d Quantity al Quantity .00 / each sting modu ed.5/6 amp al Quantity d Quantity	1.000 1.000 eac 0.000 eac 1.000 eac 1.000 eac 1.000 eac 24.000 eac 24.000 eac 24.000 eac	ger,Cooli h h sh switch b
17	Fan,H/W Kit10 1.24.1 Supplying and fixing	following management of the fo	Say nodular swith Say	ng Orga 1.000 each tch/ socket ar plate etc 24.000 each	ey,6Way 5A an1Sa Tota tal Deducte Net Tota @ Rs 8699 on the exist as require Tota tal Deducte Net Tota of Rs 110 on the exist on the exist	al Quantity d Quantity al Quantity .00 / each sting modu ed.5/6 amp al Quantity d Quantity d Quantity al Quantity sting modu	1.000 1.000 eac 0.000 eac 1.000 eac 1.000 eac 1.000 eac 24.000 24.000 eac 24.000 eac Rs 26 lar plate &	ger,Cooli
	1.24.4 Supplying and fixing including connections	following management of the fo	Say nodular swith Say	ng Orga 1.000 each tch/ socket ar plate etc 24.000 each	ey,6Way 5A an1Sa Tota tal Deducte Net Tota @ Rs 8699 on the exist as require Tota tal Deducte Net Tota of Rs 110 on the exist on the exist	al Quantity d Quantity al Quantity .00 / each sting modu ed.5/6 amp al Quantity d Quantity d Quantity al Quantity sting modu	1.000 1.000 eac 0.000 eac 1.000 eac 1.000 eac 1.000 eac 24.000 24.000 eac 24.000 eac Rs 26 lar plate &	ger,Cooli h h 699.00 switch b ch ch sch sch sch bch

				To	otal Deducte	d Quantity	0.000 eac	h
						al Quantity	24.000 ea	
			Sav	24.000 each		<u> </u>		566.80
19	1.27.4 Supplying and fixing for switches in recess etc.	-	e/ modules,	GI box alon	gwith modu		I	
		12					12.000	
					Tota	al Quantity	12.000 ea	ch
				To	otal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	12.000 ea	ch
			Say	12.000 each	n @ Rs 340	.66 / each	Rs 40	087.92
20	1.31 Supplying and fixing sincluding providing a connection etc. as re	nd fixing 3	pin 5/6 am	ps modular	socket out	let and 5/6	ampsmod	
		4	LE		3 10	1	4.000	
		144			Tota	al Quantity	4.000 eac	h
			FIGURE .	To	tal Deducte	d Quantity	0.000 eac	h
04	0.40.4	Other En	ngineeri Sa	ng Orgo y 4.000 each	anisatio	al Quantity 129 / each	4.000 eac	653.16
21	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete wit connections, testing and commissioning etc. as required.40 amps							
		1					1.000	
					Tota	al Quantity	1.000 eac	h
				To	tal Deducte	d Quantity	0.000 eac	h
					Net Tota	al Quantity	1.000 eac	h
			Sa	y 1.000 eacl	n @ Rs 880	.71 / each	Rs 8	80.71
22	od134830/2019_2020 SITC Of 350W RMS MIC,FREQUENCY RI LESS THAN 1% AT INPUT SIGNALS WITH SWITCH;BASS: 10DB	ESPONSE (1 KHZ,1/3 R H 0-30 DB A	(50 HZ-160 RATED POV TTENUATION	00HZ),S/N VER, MUTI ON,CONTRO	RATIO-MIC NG FUNCT OLS-INDIVI	1,2,3,4:66[ION-MIC 1	DB;AUX 1:8 OVERRIDI	0 DB,THD ES OTHE
		1					1.000	
					•		1	

								_	
				Tot	al Deducte	d Quantity	0.000 eac	:h	
					Net Tota	l Quantity	1.000 eac	:h	
			Say 1.0	000 each @	Rs 28129.	00 / each	Rs 28	129.00	
23	2.15.2 Supplying and fixing circuit breaker (RC complete with conn	CB), having a	a sensitivity c	urrent upto	o 300 millia	amperes in	the existin		
		1					1.000		
					Tota	l Quantity	1.000 eac	:h	
				Tot	al Deducte	d Quantity	0.000 eac	:h	
			(A)	A	Net Tota	l Quantity	1.000 eac	:h	
			Say 1	.000 each	@ Rs 2813.	77 / each	Rs 28	813.77	
24	od134974/2019_202 Supply, installation, networks and interne	testing and co		of 10/100/1	000 Mbps	16 Port Ne		h to provide	
		1	LAN		1 10	L	1.000		
		1445		939 X 5 A	Tota	I Quantity	1.000 eac	:h	
			M. Com	Tot	al Deducte	d Quantity	0.000 eac	:h	
		Other Er	ainearin	a Orga	Net Tota	l Quantity	1.000 eac	:h	
25	Say 1,000 each @ Rs 6305.00 / each 7.7.1 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)								
25	Laying and fixing of							KVgrade of	
2 5	Laying and fixing of							KVgrade of	
<u></u>	Laying and fixing of	surface as re	equired.Upto 3		clamped wi		k saddle)		
	Laying and fixing of	surface as re	equired.Upto 3	5 sq. mm (clamped wi	th 1mm thic	k saddle) 25.000	etre	
	Laying and fixing of	surface as re	equired.Upto 3	5 sq. mm (clamped wi Tota al Deducte	th 1mm thic	25.000 mg	etre tre	
	Laying and fixing of	surface as re	equired.Upto 3 25.000	5 sq. mm (clamped wi Tota al Deducte	th 1mm thic al Quantity d Quantity al Quantity	25.000 me 25.000 me 25.000 me	etre tre	
26	Laying and fixing of	ion of sheet scopper /brass wall using su	Say 25 Steel, phospha bus bar, neur	Tot 5.000 metre atised and tral link, ear	Total all Deducted Net Total e @ Rs 33.0 painted, durith bus and ed in recess	th 1mm thice al Quantity d Quantity al Quantity 1 / metre ust and ver d DIN rail s including of	25.000 med 25.000 med 25.000 med Rs 8	etre tre etre 25.25 enclosure of fixing MCB/on the wall	
	90.11.1.10 Supply and installat MCB DB including cisolator etc. fixed on making good the dar	ion of sheet scopper /brass wall using su	Say 25 Steel, phospha bus bar, neur	Tot 5.000 metre atised and tral link, ear	Total all Deducted Net Total e @ Rs 33.0 painted, durith bus and ed in recess	th 1mm thice al Quantity d Quantity al Quantity 1 / metre ust and ver d DIN rail s including of	25.000 med 25.000 med 25.000 med Rs 8	etre tre etre 25.25 enclosure of fixing MCB/on the wall	

	Total Deducted Quantity	0.000 each
	Net Total Quantity	1.000 each
	Say 1.000 each @ Rs 2760.54 / each	Rs 2760.54
27	9.1.32 Supplying and making end termination with brass compression gland and alumi size of PVC insulated and PVC sheathed / XLPE aluminium conductor cabl required.4 X 10 sq. mm (25mm)	-
	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 268.04 / set	Rs 536.08
28	od135048/2019_2020 Supply of 10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC I	-
	1 25.000	25.000
	Total Quantity	25.000 metre
	Total Deducted Quantity	0.000 metre
	Other Engineering Organisations Say 25.000 metre @ Rs 139.00 / metre	25.000 metre Rs 3475.00
29	od136286/2019_2020 SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Mo	dem)
	1	1.000
	Total Quantity	1.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	1.000 each
	Say 1.000 each @ Rs 5505.00 / each	Rs 5505.00
30	od136298/2019_2020 Supply, installation, testing and commissioning of 24" Monitor for CCTV	
	1	1.000
	Total Quantity	1.000 no
	Total Deducted Quantity	0.000 no
	Net Total Quantity	1.000 no
	Say 1.000 no @ Rs 8051.00 / no	Rs 8051.00

1 oc (K M ru wi th (fc	d254856/2019_2020 Kannur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	nd Piping :- s as per rele , bolts, wash strip clamps g with a prir	Providing, fi vant IS 1239 ners or welde /brackets str	Say 1.000 r B I Floor Fire F xing, welding 0/3589 with sed joint with fructural mem d two coats of	Net Tota Net Tota Net Tota Net Tota Respect of the pecial access Stange joints bers dash far foostal red Tota Stall Deducte	al Quantity 03.00 / no CF rks testing of 10 ssories tees on bends, astener,civil enamel etc.	Quantity O mm Dia. , elbows, flatincluding fix breakage,m	anged joir ing the p naking go as requir er metre
1 oc (K M ru wi th (fc	d254856/2019_2020 (annur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	Main Build and Piping:- as per rele by bolts, wash strip clamps g with a prin	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	Say 1.000 r B I Floor Fire F xing, welding 0/3589 with sed joint with fructural mem d two coats of	Net Tota Net Tota Net Tota Net Tota Respect of the pecial access Stange joints bers dash far foostal red Tota Stall Deducte	d Quantity al Quantity 03.00 / no CF rks testing of 10 ssories tees on bends, astener,civil enamel etc	0.000 no 1.000 no Rs 72 Quantity 00 mm Dia. c, elbows, flatincluding fix breakage,mc. complete 17.000 17.000 pe	heavy cla anged joir ing the p naking go as requir
2 oc (K su re	d254856/2019_2020 (annur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	Main Build and Piping:- as per rele by bolts, wash strip clamps g with a prin	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	Say 1.000 r B I Floor Fire F xing, welding 0/3589 with sed joint with fructural mem d two coats of	Net Total no @ Rs 720 p Fighting wo g joints and g pecial access flange joints bers dash fa f postal red Total stal Deducte	al Quantity 03.00 / no CF rks testing of 10 ssories tees on bends, astener,civil enamel etc.	1.000 no Rs 7: Quantity 00 mm Dia. , elbows, flatincluding fix breakage,mc. complete 17.000 17.000 pe	heavy cla anged joir ing the p naking go as requir
1 oc (K M ru wi th (fc	d254856/2019_2020 (annur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	Main Build and Piping:- as per rele by bolts, wash strip clamps g with a prin	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	B I Floor Fire F xing, welding 3/3589 with sed joint with fructural mem If two coats of	righting wo joints and to pecial access flange joints bers dash fa f postal red Tota tal Deducte	o3.00 / no CF rks testing of 10 ssories tees on bends, astener,civil enamel etc	Quantity O mm Dia. , elbows, flatincluding fix breakage,mc. complete 17.000 17.000 pe	heavy cla anged join ing the p naking go as requir
1 oc (K M ru wi th (fc	d254856/2019_2020 (annur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	Main Build and Piping:- as per rele by bolts, wash strip clamps g with a prin	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	B I Floor Fire F xing, welding 3/3589 with sed joint with fructural mem If two coats of	pioints and to pecial accessifiange joints bers dash far frostal red	testing of 10 ssories tees on bends, astener,civil enamel eto	Quantity O mm Dia. I, elbows, flatincluding fix breakage,mc. complete 17.000 17.000 pe	heavy cla anged join ing the p naking go as requir
2 oc (K su re	d254856/2019_2020 Kannur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	nd Piping :- s as per rele , bolts, wash strip clamps g with a prir	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	xing, welding 0/3589 with sped joint with fructural mem of two coats o	j joints and to pecial access flange joints bers dash fa f postal red Tota	testing of 10 ssories tees on bends, astener,civil enamel etc	t, elbows, flatincluding fix breakage,mc. complete 17.000	anged joing the penaking go as required
2 oc (K su re	d254856/2019_2020 Kannur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	nd Piping :- s as per rele , bolts, wash strip clamps g with a prir	Providing, fix vant IS 1239 hers or welde /brackets str mer coat and	xing, welding 0/3589 with sped joint with fructural mem of two coats o	j joints and to pecial access flange joints bers dash fa f postal red Tota	testing of 10 ssories tees on bends, astener,civil enamel etc	t, elbows, flatincluding fix breakage,mc. complete 17.000	anged joi ing the p naking go as requir
2 oc (K su re	Kannur) Below Grour IS ERW Black pipes ubber insertion, nuts, ith suitable flat iron s ie same etc. painting or wet riser system).	nd Piping :- s as per rele , bolts, wash strip clamps g with a prir cbr> 1	vant IS 1239 hers or welde /brackets str mer coat and	n/3589 with sped joint with fructural mem	pecial acces flange joints bers dash fa f postal red Tota	ssories tees on bends, astener,civil enamel etc	t, elbows, flatincluding fix breakage,mc. complete 17.000	anged joing the penaking go as required
2 oo (K			17.000	То	tal Deducte	2	17.000 pe	
(K su re		1/1	17.000	То	tal Deducte	2	17.000 pe	
(K su re		Other E		То	tal Deducte	2		
(K su re		Other E		To		d Quantity	0.000 per	metre
(K su re		Other E	Vis de		N			
(K su re		Other E			Net Lota	al Quantity	17.000 pe	er metre
(K su re		Juici 18	ay 17.000 pe	er metre @ R	s 1724.00 /	permetre	Rs 29	308.00
so su in bo	d254565/2019_2020 Kannur)4.1P: Supplication of autoequired: equired: equired: cody & bronze cuirell cage induction upply with IP55 classisulation, conforming olts etc.as br equired: ads. 900lpm @ 35 m	olying, instated omatic open e Pump) < brain peller with some motor TE ass of protect to IS-325. Mared. < br. > Suited. < br.	eration and short and stainless stee EFC type suition for end. S.fabricate	consisting type, multista el shaft, mech itable for ope closure, hor ed common b	of followin age, centrifunanical conferation on 4 iziontal foo ase plate, c	ng, comple ugal, split ca irming to IS 415 volts, 3 t mounted< oupling, cou	te in all reasing pump : 1520 d tor>type will upling guard	espects, of cast i Suitable , 50 Hz, th Class
•		1					1.000	
		<u> </u>	1		Tota	L Quantity	1.000 eac	 :h
				To	tal Deducte	-	0.000 eac	
				10		al Quantity	1.000 eac	
			Sav 1	.000 each @				0387.06
3			Jay 1		1.0 100001	,	1.0.10	

	with two or more : 100mm dia pip	е	1				T	T
		1	65.000				65.000	
					Tota	l Quantity	65.000 pe	r metre
				Tota	al Deducte	d Quantity	0.000 per	metre
					Net Tota	l Quantity	65.000 pe	r metre
		Sa	y 65.000 per me	etre @ Rs	1437.02 /	per metre	Rs 93	406.30
4	od254567/2019_2020 (Kannur(14.5) Provided sizes br>confirming to the size of the size	ding, installa	•		_			
		2	-//WW	1			2.000	
		1	43 600	340	Tota	l Quantity	2.000 eac	:h
		11	YUG	Tota	al Deducte		0.000 eac	:h
		NA	DIE	20	Net Tota	l Quantity	2.000 eac	h
			Say 2.00	0 each @	Rs 10695.	34 / each	Rs 21	390.68
5	od254568/2019_2020 (Kannur) 19.1 : Sup male br>instantaneo	plying and	fixing of fire b	rigade co	onnection	of cast iror	n body with	gun m
5	(Kannur) 19.1 : Sup	pplying and	fixing of fire b	rigade co	onnection ap and ch 2 way-10	of cast iron ain as req 0 mm dia	n body with d. for suita M.S. Pipe<	gun me ble dia
5	(Kannur) 19.1 : Sup male br>instantaneo	oplying and ous inlet con conforming	fixing of fire b	rigade co	onnection ap and ch 2 way-10	of cast iron ain as req 0 mm dia al Quantity	n body with d. for suita M.S. Pipe< 1.000 1.000 eac	gun me ble dia :br>
5	(Kannur) 19.1 : Sup male br>instantaneo	oplying and ous inlet con conforming	fixing of fire b	rigade co	ap and ch 2 way-10 Tota al Deducte	of cast ironain as req 0 mm dia 1 Quantity d Quantity	n body with d. for suita M.S. Pipe< 1.000 1.000 eac	gun moble dia
5	(Kannur) 19.1 : Sup male br>instantaneo	oplying and ous inlet con conforming	fixing of fire buplings completo IS 904 as r	rigade co te with c equired :	onnection ap and ch 2 way-10 Tota al Deducte Net Tota	of cast ironain as req 0 mm dia 1 Quantity d Quantity	n body with d. for suita M.S. Pipe 1.000 1.000 eac 0.000 eac 1.000 eac	gun meble dia ble dia br> h
6	(Kannur) 19.1 : Sup male br>instantaneo	oplying and ous inlet con conforming	fixing of fire buplings completo IS 904 as r	rigade content with content of the with content of the with content of the with content of the without the witness of the without the without the without the without the witn	Tota al Deducte Net Tota Rs 6488.	of cast ironain as req 0 mm dia 1 Quantity d Quantity 1 Quantity 34 / each	n body with d. for suita M.S. Pipe 1.000 1.000 eac 0.000 eac 1.000 eac	gun meble dia
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	oplying and ous inlet con conforming	fixing of fire buplings completo IS 904 as r	rigade content with content of the with content of the with content of the with content of the without the witness of the without the without the without the without the witn	Tota al Deducte Net Tota Rs 6488.	of cast ironain as req 0 mm dia 1 Quantity d Quantity 1 Quantity 34 / each	n body with d. for suita M.S. Pipe 1.000 1.000 eac 0.000 eac 1.000 eac	gun meble dia ble dia br> h
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	ixing 25mm	fixing of fire buplings completo IS 904 as r	rigade content with content of the with content of the with content of the with content of the without the witness of the without the without the without the without the witn	Total Deducted Rs 6488.	of cast ironain as req 0 mm dia 1 Quantity d Quantity 1 Quantity 34 / each	1.000 eac 1.000 eac 1.000 eac Rs 6	gun moble dia
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	ixing 25mm	fixing of fire buplings completo IS 904 as r	rigade conte with content of the with content	Total Deducted Rs 6488.	of cast ironain as req 0 mm dia 1 Quantity d Quantity 1 Quantity 34 / each I Marked	1.000 eac 1.000 eac 1.000 eac 1.000 eac	gun moble dia
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	ixing 25mm	fixing of fire buplings completo IS 904 as r	rigade conte with content of the with content	Tota Rs 6488. S:14845 IS Tota Tota	of cast ironain as req 0 mm dia 1 Quantity d Quantity 1 Quantity 34 / each I Marked	1.000 each	gun meble dia br> h h h 488.34
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	ixing 25mm	fixing of fire buplings completo IS 904 as r	rigade conte with content of the with content	Tota Rs 6488. S:14845 IS Tota Tota	of cast ironain as req 0 mm dia 1 Quantity d Quantity 34 / each I Marked I Quantity d Quantity	1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac	gun meble dia br> h h h 488.34
	(Kannur) 19.1 : Sup male br>instantaned pipe br>connection od254569/2019_2020	ixing 25mm	fixing of fire buplings completo IS 904 as r Say 1.0	rigade content with content with content conte	Total Deducted Net Total Deducted Net Total All Deducted Net Total All Deducted Net Total All Deducted Net Total Rs 1857.	of cast ironain as req 0 mm dia 1 Quantity d Quantity 34 / each I Marked I Quantity d Quantity d Quantity d Quantity	1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac 1.000 eac	gun meble dia br> h h h 488.34

	Total Quantity	1.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	1.000 each
	Say 1.000 each @ Rs 1482.19 / each	Rs 1482.19
8	od254571/2019_2020 (Kannur) 11.5 : Supplying, fixing, testing and commissioning of butterfly with with bronze/gunmetal seat duly ISI marked complete with number gaskets conforming to IS 13095 of following sizes as requir	ıts, bolts, washeı
	3	3.000
	Total Quantity	3.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	3.000 each
9	Say 3.000 each @ Rs 6310.34 / each od254572/2019_2020	Rs 18931.02
	instantaneous drype -A) with blank Gunmetal/Stainless Steel cap :Single headed Stainless steel	and chain as requi
		2.000
	Other Engineering Organisa Total Quantity	2.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	2.000 each
	Say 2.000 each @ Rs 5885.34 / each	Rs 11770.68
10	od254573/2019_2020 (Kannur) 7.1: Supplying and fixing first-aid Hose Reel with MS construction office office dia water hose thermoplastic (Textile reinforced) type -2 as per IS: dia gun metal globe valve & nozzle. brychtal wall. connections from riser with 25 mm dia stop gun metal valve & M.S.	20 mm nominal inter 20 mm nominal inter g the equipmets
	2	2.000
	Total Quantity	2.000 each
	Total Deducted Quantity	0.000 each
	Net Total Quantity	2.000 each
	Say 2.000 each @ Rs 8259.35 / each	Rs 16518.70
11	od163566/2019_2020 FIRE DUCT :- Supply & installing in position self glowing " FIRE DUCT " sign boa mm made of luminescent safely, rigid sheet in green colour, photo luminescent right.	

	hanging chains / or fi	ixed on wall &	necessarry	supports to	hang it on c	eiling / or or	wall.	1
		2					2.000	
					Tota	al Quantity	2.000 eac	:h
				To	otal Deducte	d Quantity	0.000 eac	:h
					Net Tota	al Quantity	2.000 eac	:h
			Sa	ay 2.000 eac	h @ Rs 510	.00 / each	Rs 10	020.00
12	od163569/2019_202 FIRE EXIT :- Supply mm made of lumines hanging chains & ne	/ & installing in scent safely, r	igid sheet in	n green colo	ur, photo lun	•		
		2		6			2.000	
		1	JAM	1400	Tota	al Quantity	2.000 eac	:h
		Spinson)	6.21	To	otal Deducte	d Quantity	0.000 eac	:h
		610	N. P.	25 N	Net Tota	al Quantity	2.000 eac	:h
		12	Sa	ay 2.000 eac	h @ Rs 510	.00 / each	Rs 10	020.00
	ceiling.	Other Er		each hanging Org	_ ,	necessarry	/ supports to	eet in gre o hang it
	ceiling.				anisatio	necessarry	2.000 2.000 eac	o hang it
	ceiling.	Other Er		ing Org	anisatio	necessarry	2.000	o hang it
	ceiling.	Other Er		ing Org	Total Deducte	necessarry	2.000 2.000 eac	o hang it
	ceiling.	Other Er	Rigineeri	ing Org	Total Deducte Net Total	a necessarry ns al Quantity d Quantity al Quantity	2.000 2.000 eac 0.000 eac 2.000 eac	o hang it
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to according to internal hydrant of	Other Er 2 20 - Providing & form wide, 2100 commodate 2-h	Sa fixing M.S H Omm height loses, one b	ay 2.000 each ose cabinet of Moranch pipe a	Total Deducte Net Total h @ Rs 713 door with po	anecessarry al Quantity d Quantity al Quantity output out	2.000 2.000 eac 0.000 eac 2.000 eac Rs 14	ch hang it ch ch ch ch color and lock
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to acco	Other Er 2 20 - Providing & form wide, 2100 commodate 2-h	Sa fixing M.S H Omm height loses, one b	ay 2.000 each ose cabinet of Moranch pipe a	Total Deducte Net Total h @ Rs 713 door with po	anecessarry al Quantity d Quantity al Quantity output out	2.000 2.000 eac 0.000 eac 2.000 eac Rs 14	ch hang it ch ch ch ch color and lock
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to acco	Other Er 2 20 - Providing & f nm wide, 2100 commodate 2-h complete as per	Sa fixing M.S H Omm height loses, one b	ay 2.000 each ose cabinet of Moranch pipe a	Total Deducte Net Total h @ Rs 713 door with po	anecessarry al Quantity d Quantity al Quantity output out	2.000 2.000 eac 2.000 eac 2.000 eac Rs 14 ag of postal rs front door A. hose ree	chang it chang it chang it chang it chang it chang it change it ch
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to acco	Other Er 2 20 - Providing & f nm wide, 2100 commodate 2-h complete as per	Sa fixing M.S H Omm height loses, one b	ay 2.000 eac lose cabinet) made of M pranch pipe a of Engineer	Total Deducte Net Total h @ Rs 713 door with po	a necessarry al Quantity d Quantity al Quantity 00 / each wder coatir G with glass mmodate F. or>	2.000 2.000 eac 2.000 eac 2.000 eac Rs 14 ag of postal rs front door A. hose ree	chang it change it ch
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to acco	Other Er 2 20 - Providing & f nm wide, 2100 commodate 2-h complete as per	Sa fixing M.S H Omm height loses, one b	ay 2.000 eac lose cabinet) made of M pranch pipe a of Engineer	Total Deducte Net Total Met Total	a necessarry al Quantity d Quantity al Quantity 00 / each wder coatir G with glass mmodate F. or>	2.000 2.000 eac 0.000 eac 2.000 eac Rs 14 ag of postal rs front door A. hose ree 2.000 2.000 eac	chang it has had been seen and lock I in additions the seen seen seen seen seen seen seen se
14	od134479/2019_202 M.S Hose Cabinet: size minimum 1200n arrangement to acco	Other Er 2 20 - Providing & f nm wide, 2100 commodate 2-h complete as per	Sa fixing M.S H Omm height loses, one beer direction	ay 2.000 eac lose cabinet) made of M pranch pipe a of Engineer	Total Deducte Net Total door with po S sheet 14 and to accordincharge. Total Deducte Net Total	anecessarry al Quantity d Quantity al Quantity output outpu	2.000 2.000 eac 0.000 eac 2.000 eac Rs 14 g of postal rs front door A. hose ree 2.000 2.000 eac 0.000 eac 2.000 eac	ch hang it heh

		/ Warrior /		
	3		3.000	
	Tota	I Quantity	3.000 eac	:h
	Total Deducted	d Quantity	0.000 eac	:h
	Net Tota	I Quantity	3.000 eac	:h
	Say 3.000 each @ Rs 2105.	00 / each	Rs 6	315.00
16	od134483/2019_2020 Providing 63mm (2½)" dia 15 m long canvas hose pipe complete w coupling stainless steel wire wound with the pipe The pipe shall confirm			
	2		2.000	
	Tota	I Quantity	2.000 eac	:h
	Total Deducted	d Quantity	0.000 eac	:h
	Net Tota	l Quantity	2.000 eac	:h
	Say 2.000 each @ Rs 5406.	00 / each	Rs 10	812.00
	complete with shut off valve duly calibrated before installation.Make Other Engineering Organisatio Tota		0.000 0.000 eac	:h
	Total Deducted Net Total		0.000 eac	h
		Quantity I Quantity	0.000 eac	h
18	Net Total	Quantity Quantity 00 / each	0.000 eac	ch ch 0.00 with cop
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi	Quantity Quantity 00 / each	0.000 eac	ch ch 0.00
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi and IS 7098 Part I for XLPE 1 30.000	Quantity Quantity 00 / each	0.000 each	ch ch 0.00 with cop 988 for P
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi and IS 7098 Part I for XLPE 1 30.000	Quantity I Quantity 00 / each coured conting to IS 15	0.000 each Rs trol cables 554 part I 19 30.000	ch ch 0.00 with cop 088 for P
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi and IS 7098 Part I for XLPE 1 30.000 Total	Quantity I Quantity 00 / each coured conting to IS 15	0.000 each Rs trol cables to 54 part I 19 30.000 m	ch ch 0.00 with cop 088 for P etre tre
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi and IS 7098 Part I for XLPE 1 30.000 Total	Quantity Quantity Oo / each coured conting to IS 15 Il Quantity d Quantity Il Quantity	0.000 each Rs trol cables of 54 part I 19 30.000 m 0.000 me 30.000 m	ch ch 0.00 with cop 088 for P etre tre
18	Say 0.000 each @ Rs 972. od134489/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated arm conductors for working voltages up to and including 1100 V conformi and IS 7098 Part I for XLPE 1 30.000 Total Total Deducted Net Total	Quantity I Quantity O0 / each I Quantity	0.000 each Rs trol cables of 554 part I 19 30.000 me 30.000 me 30.000 me Rs 10	etre etre etre etre onecess

			ı		
	Total Quantity		1.000 no		
	Total Deducted Quantity			0.000 no	
	Net Tota	Net Total Quantity		1.000 no	
	Say 1.000 no @ Rs 66237	000 no @ Rs 662372.00 / no		Rs 662372.00	
20	90.14.28.2 S & F Motor starters of the following ratingsThree phase DOL starters f	or 0.25HP t	o 7.5 HP mo	otor	
	1		1.000		
	Total Quanti		1.000 each		
	Total Deducted Quantity Net Total Quantity			0.000 each	
				1.000 each	
	Say 1.000 each @ Rs 1623.	@ Rs 1623.69 / each		Rs 1623.69	
21	od254878/2019_2020 Providing and fixing Fire Man axe as required with Test Certificate of 20,000 volts.Make : - ISI Ap				
	2		2.000		
	Total Quantity Total Deducted Quantity Net Total Quantity Say 2.000 each @ Rs 1524.00 / each		2.000 each		
			0.000 each		
			2.000 each		
			Rs 3048.00		
SI No	Description Other Engineering Drganisations CF		Quantity	Remark	
9 Contingencies Lump-Sum Total Rs 64099.00					
	Provision for GST payments (in %) @		12.0%		
Amount reserved for GST payments		776875.48			
	Total		7250837.48		
	Lumpsum for round off		0.00		
TOTAL Rs 7250837.48					
Rounded Total Rs 72,50,837					
	Rupees Seventy Two Lakh Fifty Thousand Eig	ght Hundred	and Thirty S	Seven Only	

(Cost Index Applied for this estimate is 32.04%)