

TS Register No: 2088/2019-2020

AS Register No:2190/2019-2020

**UP-GRADATION OF GOVT. ITI CHANDHANATHOPE ON PAR WITH
INTERNATIONAL STANDARDS - PHASE 1 - ANNEXURE 2 : ELECTRICAL, ELV,
HVAC AND FIRE FIGHTING WORKS**

Detailed Estimate

(Dsr year: 2016, Cost Index Applied for this estimate is 41.85%)

Sl No	Description	No	L	B	D	CF	Quantity	Remark
1 MAIN BUILDING GROUND FLOOR ELECTRICAL WORKS								
1	od133467/2019_2020 Supply of 240 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	100.000				100.000	
							Total Quantity	100.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	100.000 metre
							Say 100.000 metre @ Rs 1221.00 / metre	Rs 122100.00
2	od133468/2019_2020 Supply of 120 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	20.000				20.000	
							Total Quantity	20.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	20.000 metre
							Say 20.000 metre @ Rs 640.00 / metre	Rs 12800.00
3	od131869/2019_2020 Supply of 10 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	20.000				20.000	
							Total Quantity	20.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	20.000 metre
							Say 20.000 metre @ Rs 121.00 / metre	Rs 2420.00
4	od131821/2019_2020 Supply of 10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working							

	voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
	1	75.000					75.000
	Total Quantity						75.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						75.000 metre
	Say 75.000 metre @ Rs 118.00 / metre						Rs 8850.00
5	od131873/2019_2020 Supply of 16 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
	1	55.000					55.000
	Total Quantity						55.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						55.000 metre
	Say 55.000 metre @ Rs 153.00 / metre						Rs 8415.00
6	9.1.25 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2 X 120 sq. mm (45mm)						
	4						4.000
	Total Quantity						4.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						4.000 set
	Say 4.000 set @ Rs 709.25 / set						Rs 2837.00
7	9.1.29 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 240 sq. mm (62mm)						
	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 1402.90 / set						Rs 2805.80
8	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 10 sq. mm (25mm)						

		6					6.000	
	Total Quantity						6.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						6.000 set	
	Say 6.000 set @ Rs 287.96 / set						Rs 1727.76	
9	9.1.7 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 X 10 sq. mm (22mm)							
		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 242.56 / set						Rs 485.12	
10	9.1.33 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.4 X 16 sq. mm (28mm)							
		4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 361.72 / set						Rs 1446.88	
11	7.7.1 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)							
		1	100.000				100.000	
	Total Quantity						100.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						100.000 metre	
	Say 100.000 metre @ Rs 35.46 / metre						Rs 3546.00	
12	7.3.4 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.Above 185 sq. mm and upto 400 sq. mm							
		1	85.000				85.000	

						Total Quantity	85.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	85.000 metre
						Say 85.000 metre @ Rs 197.17 / metre	Rs 16759.45
13	7.3.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size direct in ground including excavation and refilling the trench etc as required, butexcluding sand cushioning and protective covering.Upto 35 sq. mm					
		1	220.000				220.000
						Total Quantity	220.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	220.000 metre
						Say 220.000 metre @ Rs 137.59 / metre	Rs 30269.80
14	7.5.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing RCC/ HUME/ METAL pipe as required.Upto 35 sq. mm					
		1	14.000				14.000
						Total Quantity	14.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	14.000 metre
						Say 14.000 metre @ Rs 25.53 / metre	Rs 357.42
15	7.5.4	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing RCC/ HUME/ METAL pipe as required.Above 185 sq. mm and upto 400 sq. mm					
		1	7.000				7.000
						Total Quantity	7.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	7.000 metre
						Say 7.000 metre @ Rs 92.20 / metre	Rs 645.40
16	7.8.1	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Upto 35 sq. mm (clamped with 1mm thick saddle)					
		1	40.000				40.000
						Total Quantity	40.000 metre
						Total Deducted Quantity	0.000 metre
						Net Total Quantity	40.000 metre

	Say 40.000 metre @ Rs 29.79 / metre							Rs 1191.60
17	7.8.4 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)							
		1	10.000				10.000	
	Total Quantity							10.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							10.000 metre
	Say 10.000 metre @ Rs 136.18 / metre							Rs 1361.80
18	7.8.3 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KVgrade of following size on cable tray as required.Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)							
		1	12.000				12.000	
	Total Quantity							12.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							12.000 metre
	Say 12.000 metre @ Rs 86.53 / metre							Rs 1038.36
19	90.16.1.3 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required3.15 mm copper conductor (10 SWG)							
		1	200.000				200.000	
	Total Quantity							200.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							200.000 metre
	Say 200.000 metre @ Rs 57.77 / metre							Rs 11554.00
20	90.11.1.15 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required6 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)							
		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 7168.17 / each					Rs 7168.17	
21	90.11.1.12 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+24) - three phase double cover (IP 42/43)							
		3				3.000		
		Total Quantity					3.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					3.000 each	
		Say 3.000 each @ Rs 4743.17 / each					Rs 14229.51	
22	90.11.1.20 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 8 way (8+12) - double cover TPN vertical DB with provision for fixing MCCB as incomer and SP/ TP MCB as outgoing (IP 42/43)							
		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 9555.36 / each					Rs 9555.36	
23	90.11.1.14 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required 4 way (8+12) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)							
		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 6481.17 / each					Rs 6481.17	
24	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker							

	suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole						
		54					54.000
	Total Quantity						54.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						54.000 each
	Say 54.000 each @ Rs 245.40 / each						Rs 13251.60
25	2.10.4 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Triple pole						
		8					8.000
	Total Quantity						8.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						8.000 each
	Say 8.000 each @ Rs 992.95 / each						Rs 7943.60
26	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
		6					6.000
	Total Quantity						6.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						6.000 each
	Say 6.000 each @ Rs 3022.82 / each						Rs 18136.92
27	2.2.1 Providing and fixing following rating and breaking capacity and pole MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.100 Amp, 16 KA, TPMCCB						
		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 4564.73 / each						Rs 4564.73
28	2.15.3 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current						

	circuit breaker (RCCB), having a sensitivity current upto 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps						
		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 3265.39 / each						Rs 6530.78
29	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
		4					4.000
	Total Quantity						4.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						4.000 each
	Say 4.000 each @ Rs 946.14 / each						Rs 3784.56
30	2.13.2 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.63 amps						
		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 961.74 / each						Rs 1923.48
31	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire						
		350					350.000
		100					100.000
	Total Quantity						450.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						450.000 metre
	Say 450.000 metre @ Rs 158.87 / metre						Rs 71491.50
32	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5						

	sq. mm + 1 X 2.5 sq. mm earth wire							
		400					400.000	
	Total Quantity						400.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						400.000 metre	
	Say 400.000 metre @ Rs 194.33 / metre						Rs 77732.00	
33	1.14.7 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire							
		120					120.000	
	Total Quantity						120.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						120.000 metre	
	Say 120.000 metre @ Rs 304.98 / metre						Rs 36597.60	
34	1.14.8 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 4 X 4 sq. mm + 2 X 4 sq. mm earth wire							
		120					120.000	
	Total Quantity						120.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						120.000 metre	
	Say 120.000 metre @ Rs 398.60 / metre						Rs 47832.00	
35	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C							
		67					67.000	
	Total Quantity						67.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						67.000 point	
	Say 67.000 point @ Rs 1073.80 / point						Rs 71944.60	
36	1.11 Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable							

	in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.							
		5					5.000	
	Total Quantity						5.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						5.000 point	
	Say 5.000 point @ Rs 1147.57 / point						Rs 5737.85	
37	1.55.3 Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.Group C							
		3					3.000	
	Total Quantity						3.000 point	
	Total Deducted Quantity						0.000 point	
	Net Total Quantity						3.000 point	
	Say 3.000 point @ Rs 588.68 / point						Rs 1766.04	
38	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch							
		80					80.000	
	Total Quantity						80.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						80.000 each	
	Say 80.000 each @ Rs 119.15 / each						Rs 9532.00	
39	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch							
		13					13.000	
	Total Quantity						13.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						13.000 each	
	Say 13.000 each @ Rs 161.71 / each						Rs 2102.23	
40	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box							

	including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet							
		80						80.000
	Total Quantity							80.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							80.000 each
	Say 80.000 each @ Rs 114.90 / each							Rs 9192.00
41	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet							
		13						13.000
	Total Quantity							13.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							13.000 each
	Say 13.000 each @ Rs 217.03 / each							Rs 2821.39
42	1.24.7 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.TV antenna socket outlet							
		1	1.000	1.000	1.000			1.000
	Total Quantity							1.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							1.000 each
	Say 1.000 each @ Rs 137.59 / each							Rs 137.59
43	1.24.8 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.Bell push							
		1	1.000	1.000	1.000			1.000
	Total Quantity							1.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							1.000 each
	Say 1.000 each @ Rs 161.71 / each							Rs 161.71
44	1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.							
		34						34.000
	Total Quantity							34.000 each

							Total Deducted Quantity	0.000 each
							Net Total Quantity	34.000 each
							Say 34.000 each @ Rs 408.53 / each	Rs 13890.02
45	1.27.1	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm)						
		34	1.000	1.000	1.000		34.000	
							Total Quantity	34.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	34.000 each
							Say 34.000 each @ Rs 248.24 / each	Rs 8440.16
46	1.27.2	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)						
		16					16.000	
							Total Quantity	16.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	16.000 each
							Say 16.000 each @ Rs 262.42 / each	Rs 4198.72
47	1.27.4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)						
		24					24.000	
							Total Quantity	24.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	24.000 each
							Say 24.000 each @ Rs 365.97 / each	Rs 8783.28
48	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 volts, complete as required.						
		1	1.000	1.000	1.000		1.000	
							Total Quantity	1.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 86.53 / each	Rs 86.53
49	90.4.5.2							

	Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.1200mm sweep -5star rated ceiling fan complete with 300mm down rod , canopies, shackeles and blades and resistance type regulator working on 230V/240V single phase A/C							
		14						14.000
		Total Quantity					14.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					14.000 each	
		Say 14.000 each @ Rs 1864.62 / each					Rs 26104.68	
50	od132252/2019_2020 Supply, conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories excluding resistance type regulator, wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required. 1400mm sweep ceiling fan complete with 300mm down rod , canopies, shackeles and blades and excluding resistance type regulator working on 230V/240V single phase A/C							
		20						20.000
		Total Quantity					20.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					20.000 each	
		Say 20.000 each @ Rs 1807.63 / each					Rs 36152.60	
51	od132253/2019_2020 Supply, installation , testing and commissioning of exhaust fans of size up to 8 Inch(Round type) in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan. 300/305 mm sweep Light Duty Exhaust fan in metal frame working on 230 V A/C							
		3						3.000
		Total Quantity					3.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					3.000 each	
		Say 3.000 each @ Rs 1789.74 / each					Rs 5369.22	
52	2.21 Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.							
		6						6.000
		Total Quantity					6.000 each	

							Total Deducted Quantity	0.000 each
							Net Total Quantity	6.000 each
							Say 6.000 each @ Rs 211.36 / each	Rs 1268.16
53	90.2.1.6	Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No.14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. (RoHS compliant modular accessories). Combined plug point with 6 A, 5 pin plug socket controlled by 6 A, switch in the same switch board as that of light points						
			21					21.000
							Total Quantity	21.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	21.000 each
							Say 21.000 each @ Rs 445.19 / each	Rs 9348.99
54	90.3.19.3	Supply conveyance, installation, testing and commissioning the light fittings of following types made from CRCA sheet 0.5mm thickness with all accessories and lamps directly on wall and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required 1200 mm 1X20W LED Lamp with box type fixture						
			40					40.000
							Total Quantity	40.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	40.000 each
							Say 40.000 each @ Rs 1181.46 / each	Rs 47258.40
55	90.3.24.4	Supply & installation of light fittings suspended on ball & socket arrangement with 19 mm down rod Supply, conveyance, installation, testing and commissioning the light fittings of following types made of .5mm thick CRCA sheet accessories and lamps etc. including supplying and fixing ball and socket arrangements on PVC round block, suspension down rod of 19mm dia MS conduit up to 2x30cm length including painting and wiring the down rod with 16/0.20mm 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connections etc. a required. 1200 mm 2X20W LED Lamp with box type fixture						

		28					28.000	
	Total Quantity						28.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						28.000	each
	Say 28.000 each @ Rs 2024.14 / each						Rs 56675.92	
56	4.1.3 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 225 mm width X 50 mm depth X 1.6 mm thickness							
		10					10.000	
	Total Quantity						10.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						10.000	metre
	Say 10.000 metre @ Rs 652.51 / metre						Rs 6525.10	
57	4.1.4 Supplying and installing following size of perforated pre-painted M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required. 300 mm width X 50 mm depth X 1.6 mm thickness							
		8					8.000	
	Total Quantity						8.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						8.000	metre
	Say 8.000 metre @ Rs 746.13 / metre						Rs 5969.04	
58	od133547/2019_2020 Providing and fixing 25 mm X 3 mm copper strip on surface or in recess for connections etc. as required.							
		1	24.000				24.000	
	Total Quantity						24.000	metre
	Total Deducted Quantity						0.000	metre
	Net Total Quantity						24.000	metre
	Say 24.000 metre @ Rs 554.89 / metre						Rs 13317.36	
59	od133548/2019_2020 Supplying and laying 25 mm X 3 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)							

		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 408.79 / metre						Rs 12263.70	
60	5.6 Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.							
		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 11757.95 / set						Rs 23515.90	
61	od162330/2019_2020 SITC of 20KVA UPS with 80Ah SMF battery for 1 hour back-up complete with all accessories as required.							
		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 576450.69 / each						Rs 576450.69	
62	od162331/2019_2020 SITC of MDB (Chandanathope) 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 with 14swg 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, surge protection device, ON/OFF, RYB phase indicators, two earthing terminal busbar of size 25 x 5 mm copper with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent. Incomer: 200A TPN Isolator Outgoing: 125A 25kA 3P MCCB - 2 no & 63A 25kA 3P MCCB - 2 no.							
		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 95853.77 / each				Rs 95853.77	
63	<p>od162332/2019_2020 SITC of SSB 1 (Main Building , L&P, Chandanathope) 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 with 14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), 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 with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc. comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent. Incomer: 100A TPN Isolator Outgoing: 32A 16kA 3P MCCB - 7 no, 32A 10kA 3P MCB - 1 no, 40A SP MCB - 2 no</p>						
		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 89520.10 / each				Rs 89520.10	
64	<p>od162333/2019_2020 SITC of SSB 2 (Workshops, lift, solar)
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 with 14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), 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 with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc. comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent.
Incomer: 125A 4P Isolator
Outgoing: 40A 16kA 3P MCCB - 3 no
32A 16kA 3P MCCB - 2 no
63A 16kA 3P MCCB - 1 no
50A 16kA 3P MCCB - 1 no</p>						
		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 79573.24 / each					Rs 79573.24	
65	od162334/2019_2020 Supply, installation, testing and commissioning of 5W LED lamp (Make: Luker, Model: LBPC05CL) working on 230V, 50Hz AC, including giving connections as required.						10.000	
		10						
		Total Quantity					10.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					10.000 each	
		Say 10.000 each @ Rs 271.36 / each					Rs 2713.60	
66	7.10 Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.						4.000	
		4						
		Total Quantity					4.000 no	
		Total Deducted Quantity					0.000 no	
		Net Total Quantity					4.000 no	
		Say 4.000 no @ Rs 381.58 / no					Rs 1526.32	
67	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.						8.000	
		8						
		Total Quantity					8.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					8.000 each	
		Say 8.000 each @ Rs 65.25 / each					Rs 522.00	
SI No	Description	No	L	B	D	CF	Quantity	Remark
2 FRONT GATE WITH SECURITY CABIN M AND E WORKS AND COMPOUND WALL LIGHTING								
1	90.11.1.10 Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall, making good the damages, colour washing etc. as required 4 way (8+12) - three phase double cover (IP 42/43)						1.000	
		1						
		Total Quantity					1.000 each	
		Total Deducted Quantity					0.000 each	

		Net Total Quantity					1.000 each
		Say 1.000 each @ Rs 2774.17 / each					Rs 2774.17
2	od131821/2019_2020 Supply of 10 sqmm 4 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
		1	50.000				50.000
		Total Quantity					50.000 metre
		Total Deducted Quantity					0.000 metre
		Net Total Quantity					50.000 metre
		Say 50.000 metre @ Rs 118.00 / metre					Rs 5900.00
3	9.1.32 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as 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 287.96 / set					Rs 575.92
4	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
		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 946.14 / each					Rs 946.14
5	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps						
		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 3022.82 / each					Rs 3022.82

6	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole							
		12						12.000
		Total Quantity						12.000 each
		Total Deducted Quantity						0.000 each
		Net Total Quantity						12.000 each
		Say 12.000 each @ Rs 245.40 / each						Rs 2944.80
7	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire							
		1	50.000					50.000
		1	240.000					240.000
		Total Quantity						290.000 metre
		Total Deducted Quantity						0.000 metre
		Net Total Quantity						290.000 metre
		Say 290.000 metre @ Rs 158.87 / metre						Rs 46072.30
8	1.10.3 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group C							
		6						6.000
		Total Quantity						6.000 point
		Total Deducted Quantity						0.000 point
		Net Total Quantity						6.000 point
		Say 6.000 point @ Rs 1073.80 / point						Rs 6442.80
9	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch							
		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 119.15 / each						Rs 238.30	
10	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet							
		1	15.000					15.000	
		Total Quantity						15.000 each	
		Total Deducted Quantity						0.000 each	
		Net Total Quantity						15.000 each	
		Say 15.000 each @ Rs 114.90 / each						Rs 1723.50	
11	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire							
		15						15.000	
		Total Quantity						15.000 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						15.000 metre	
		Say 15.000 metre @ Rs 194.33 / metre						Rs 2914.95	
12	1.27.4	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)							
		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 365.97 / each						Rs 365.97	
13	1.24.3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch							
		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 161.71 / each						Rs 161.71	
14	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box							

	including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet						
		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 217.03 / each						Rs 217.03
15	1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)						
		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 262.42 / each						Rs 524.84
16	od132383/2019_2020 Supply, installation , testing and commissioning of Wall fan of 300mm sweep dia on wall, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the Wall fan. 300mm sweep wall fan working on 230 V A/C 						
		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 2014.00 / each						Rs 4028.00
17	7.5.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required.Upto 35 sq. mm						
		1	32.000				32.000
	Total Quantity						32.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						32.000 metre
	Say 32.000 metre @ Rs 25.53 / metre						Rs 816.96
18	14.14.2 Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia						
		1	16.000				16.000

		10					10.000	
	Total Quantity						26.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						26.000 metre	
	Say 26.000 metre @ Rs 574.49 / metre						Rs 14936.74	
19	7.7.1 Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required.Upto 35 sq. mm (clamped with 1mm thick saddle)							
		1	15.000				15.000	
	Total Quantity						15.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						15.000 metre	
	Say 15.000 metre @ Rs 35.46 / metre						Rs 531.90	
20	7.3.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation and refilling the trench etc as required, but excluding sand cushioning and protective covering.Upto 35 sq. mm							
		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 137.59 / metre						Rs 4127.70	
21	od132386/2019_2020 Supplying and laying 8 SWG Cu wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.							
		1	30.000				30.000	
	Total Quantity						30.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						30.000 metre	
	Say 30.000 metre @ Rs 89.95 / metre						Rs 2698.50	
22	90.2.1.6 Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm with specials conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm FRLS PVC insulated stranded single core copper conductor cable 650V grade, including providing switch board main and continuous earthing with No.14 SWG bare copper, required quantity of copper earth socket, brass bolt and nut crimping/ soldering etc complete with suitable size modular type							

	metal switch boxes, modular type front plates (white) etc. up to and including 6A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. (RoHS compliant modular accessories). Combined plug point with 6 A, 5 pin plug socket controlled by 6 A, switch in the same switch board as that of light points								
		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 445.19 / each					Rs 445.19		
23	5.2 Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required								
		1					1.000		
		Total Quantity					1.000	set	
		Total Deducted Quantity					0.000	set	
		Net Total Quantity					1.000	set	
		Say 1,000 set @ Rs 5208.73 / set					Rs 5208.73		
24	od162354/2019_2020 SITC of weather proof pillar light fittings with 9W LED lamp, IP65 for outdoor purpose pre wired and complete with all other accessories as required.								
		12					12.000		
		Total Quantity					12.000	no	
		Total Deducted Quantity					0.000	no	
		Net Total Quantity					12.000	no	
		Say 12.000 no @ Rs 1138.07 / no					Rs 13656.84		
25	od162355/2019_2020 Supply, installation, testing and commissioning of LED 3W Spike light, IP65 with all other accessories as required.								
		6					6.000		
		Total Quantity					6.000	no	
		Total Deducted Quantity					0.000	no	
		Net Total Quantity					6.000	no	
		Say 6.000 no @ Rs 624.48 / no					Rs 3746.88		

26	od162334/2019_2020 Supply, installation, testing and commissioning of 5W LED lamp (Make: Luker, Model: LBPC05CL) working on 230V, 50Hz AC, including giving connections as required.							
		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 271.36 / each						Rs 542.72	
27	od162365/2019_2020 SITC of 3W LED Recessed Spot light pre wired, working on 230V, 50Hz AC, complete with all other accessories as required.							
		6					6.000	
	Total Quantity						6.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						6.000 no	
	Say 6.000 no @ Rs 386.88 / no						Rs 2321.28	
28	od162366/2019_2020 SITC of 20/25W LED Surface mounting down light, working on 230V, 50Hz AC, complete with all other accessories as required.							
		2					2.000	
	Total Quantity						2.000 no	
	Total Deducted Quantity						0.000 no	
	Net Total Quantity						2.000 no	
	Say 2.000 no @ Rs 1515.65 / no						Rs 3031.30	
29	1.33 Supplying and fixing 3 pin, 5 amp ceiling rose on the existing junction box/ wooden block including connection etc as required.							
		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 65.25 / each						Rs 130.50	
SI No	Description	No	L	B	D	CF	Quantity	Remark
3 EXTERNAL LIGHTING								

1	7.3.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size direct in ground including excavation and refilling the trench etc as required, butexcluding sand cushioning and protective covering.Upto 35 sq. mm	1	420.000			420.000	
		Total Quantity				420.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				420.000 metre	
		Say 420.000 metre @ Rs 137.59 / metre				Rs 57787.80	
2	7.5.1 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing RCC/ HUME/ METAL pipe as required.Upto 35 sq. mm	1	24.000			24.000	
		Total Quantity				24.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				24.000 metre	
		Say 24.000 metre @ Rs 25.53 / metre				Rs 612.72	
3	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)	20				20.000	
		Total Quantity				20.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				20.000 metre	
		Say 20.000 metre @ Rs 35.46 / metre				Rs 709.20	
4	14.14.2 Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete withRCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc as required.150 mm dia	1	8.000			8.000	
		Total Quantity				8.000 metre	
		Total Deducted Quantity				0.000 metre	
		Net Total Quantity				8.000 metre	
		Say 8.000 metre @ Rs 574.49 / metre				Rs 4595.92	
5	od132537/2019_2020 Supply of 4 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working						

	voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
	1	480.000				480.000	
	Total Quantity					480.000 metre	
	Total Deducted Quantity					0.000 metre	
	Net Total Quantity					480.000 metre	
	Say 480.000 metre @ Rs 81.00 / metre					Rs 38880.00	
6	od132386/2019_2020 Supplying and laying 8 SWG Cu wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.						
	1	40.000				40.000	
	Total Quantity					40.000 metre	
	Total Deducted Quantity					0.000 metre	
	Net Total Quantity					40.000 metre	
	Say 40.000 metre @ Rs 89.95 / metre					Rs 3598.00	
7	5.2 Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required						
	4					4.000	
	Total Quantity					4.000 set	
	Total Deducted Quantity					0.000 set	
	Net Total Quantity					4.000 set	
	Say 4.000 set @ Rs 5208.73 / set					Rs 20834.92	
8	od131896/2019_2020 SITC of 5 metre Hot dipped galvanised Octogonal pole in single section with 70mm top diameter, 130mm bottom diameter, 3mm sheet thickness, base plate dimensions of 200 x 200x 12 mm with 1.0 M long single arm bracket with 36W LED street light complete with all other accessories as required.						
	6					6.000	
	Total Quantity					6.000 each	
	Total Deducted Quantity					0.000 each	
	Net Total Quantity					6.000 each	
	Say 6.000 each @ Rs 22699.48 / each					Rs 136196.88	
9	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire						

		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 158.87 / metre						Rs 19064.40	
10	od131904/2019_2020 Supply of 16 sqmm 3 core PVC/ XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE							
		1	320.000				320.000	
	Total Quantity						320.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						320.000 metre	
	Say 320.000 metre @ Rs 128.00 / metre						Rs 40960.00	
11	9.1.8 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 X 16 sq. mm (25mm)							
		4					4.000	
	Total Quantity						4.000 set	
	Total Deducted Quantity						0.000 set	
	Net Total Quantity						4.000 set	
	Say 4.000 set @ Rs 286.54 / set						Rs 1146.16	
12	od162382/2019_2020 SITC Of Legrand make feeder pillar complete with the following accessories. Incomer: 40A, DP Isolator. 40A, DP, RCCB, 100mA. Timer control with contactor. Auto/ Manual switch. Outgoing: 10A, SP MCB - 4 Nos.							
		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 19426.00 / each						Rs 38852.00	
13	od162383/2019_2020 Supply installation testing commissioning of 6 meter Octogaonal Pole made of hot dip galvanised GI sheet 70mm top diameter, 130mm bottom diameter thickness 3mm base plate dimensions of 200x200x12mm suitable for wind speed as per IS 875 Part III single arm bracket 0.5mt including connector foundation bolt 4 nos fixed in existing RCC foundation and junctions box etc. with 45W LED street light output greater than 105lumen/W 4000-6000 K with IP 65/66 protection complete with all other							

	accessories as required.								
		11						11.000	
	Total Quantity							11.000	each
	Total Deducted Quantity							0.000	each
	Net Total Quantity							11.000	each
	Say 11.000 each @ Rs 23214.98 / each							Rs 255364.78	
SI No	Description	No	L	B	D	CF	Quantity	Remark	
4 HVAC SYSTEM									
1	16.12.2.1 Supply, Installation, balancing and commissioning of fabricated at site GSS sheet metal rectangular / round ducting complete with neoprene rubber gaskets, elbows, splitter dampers, vanes, hangers, supports, etc as per approved drawings and specifications of following sheet thickness complete as required. Site fabricated GSS sheet metal rectangular ducting as per IS 655-2006 for 0.63 mm thick								
	For internal toilets	32					32.000		
	Total Quantity							32.000	metre
	Total Deducted Quantity							0.000	metre
	Net Total Quantity							32.000	metre
	Say 32.000 metre @ Rs 893.66 / metre							Rs 28597.12	
2	16.16.a Supplying and Fixing of powder coated extruded aluminium Return Air Grills with louvers but without volume control dampers complete as required.								
	for toilets and Urinals	1	16.500				16.500		
	Total Quantity							16.500	metre
	Total Deducted Quantity							0.000	metre
	Net Total Quantity							16.500	metre
	Say 16.500 metre @ Rs 5766.20 / metre							Rs 95142.30	
3	od132922/2019_2020 Supply, installation , testing and commissioning of heavy duty exhaust fan of size 450mm in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan.								
		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 3963.52 / each							Rs 7927.04	
SI No	Description	No	L	B	D	CF	Quantity	Remark	

5 DG SET AND CHANGE OVER PANEL							
1	od206122/2019_2020 Supply, installation, testing and commissioning of radiator cooled 320KVA 415V 50Hz 3 phase prime (actual) diesel generator set along with powder coated acoustic enclosure, AVM pads including cable end termination box with all associated equipments/ work as per specifications. Alternations shall have class F insulation 415V and p.f 0.8 at site, suitable for outdoor applications.						
		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 2562752.00 / each						Rs 2562752.00
2	od131814/2019_2020 Supply of 300 sqmm 3.5 core PVC/XLPE insulated armoured cable with aluminium conductors for working voltages up to and including 1100 volts conforming IS 1584/part I/1988 for PVC IS 7098 part I for XLPE						
		1	70.000				70.000
	Total Quantity						70.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						70.000 metre
	Say 70.000 metre @ Rs 1467.00 / metre						Rs 102690.00
3	9.1.30 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 1/2X 300 sq. mm (70mm)						
		8					8.000
	Total Quantity						8.000 set
	Total Deducted Quantity						0.000 set
	Net Total Quantity						8.000 set
	Say 8.000 set @ Rs 1568.86 / set						Rs 12550.88
4	7.1.4 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Above 185 sq. mm and upto 400 sq. mm						
		1	8.000				8.000
	Total Quantity						8.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						8.000 metre

		Say 8.000 metre @ Rs 351.79 / metre						Rs 2814.32	
5	7.6.4 Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade offollowing size in the existing masonry open duct as required.Above 185 sq. mm and upto 400 sq. mm								
		1	62.000				62.000		
		Total Quantity						62.000 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						62.000 metre	
		Say 62.000 metre @ Rs 79.44 / metre						Rs 4925.28	
6	5.4 Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, andproviding masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.								
		4					4.000		
		Total Quantity						4.000 set	
		Total Deducted Quantity						0.000 set	
		Net Total Quantity						4.000 set	
		Say 4.000 set @ Rs 6137.85 / set						Rs 24551.40	
7	od131826/2019_2020 Supplying and laying 25 mm X 3 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)								
		1	65.000				65.000		
		Total Quantity						65.000 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						65.000 metre	
		Say 65.000 metre @ Rs 408.79 / metre						Rs 26571.35	
8	od131833/2019_2020 Providing and fixing 25 mm X 3 mm copper strip on surface or in recess for connections etc. as required.								
		1	20.000				20.000		
		Total Quantity						20.000 metre	
		Total Deducted Quantity						0.000 metre	
		Net Total Quantity						20.000 metre	
		Say 20.000 metre @ Rs 554.89 / metre						Rs 11097.80	
9	od162426/2019_2020								

	SITC of Change Over Panel -(Chandanathope) 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 with 14swg and 16swg of CRCA M.S. sheet, powder coated , bus-bar chamber ,outgoing switchgear etc. (all feeder unit Would be compartmentalized), 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 with nut & bolts at outside of the panel, rating and name plates for all incoming & outgoing etc comprising with the followings as per the KEI standard. Switch gears – ABB/ Equivalent, Contactors – ABB, L&T/Equivalent. Incomer - 630A 50kA 4P MCCB with microprocessor control & 630A 4P Isolator Outgoing - 630A 50kA 4P MCCB							
		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 272878.78 / each						Rs 272878.78	
10	od162427/2019_2020 Modification of Existing MSB to add 200A 36kA 3P MCCB (for new connected loads)							
		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 35894.52 / each						Rs 35894.52	
11	od206087/2019_2020 Supply, erection and commissioning of exhaust pipe using 6" MS pipe 'C' Class with high temperature (532 degree Celsius) with thermal insulation (Make: Jindal/Tata/ equivalent)							
		1	5.000				5.000	
	Total Quantity						5.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						5.000 metre	
	Say 5.000 metre @ Rs 3269.64 / metre						Rs 16348.20	
SI No	Description	No	L	B	D	CF	Quantity	Remark
6 ELV SYSTEM								

1	od131855/2019_2020 Supply, Installation, Testing and commissioning Of distribution box for CCTV 6Ux600Wx600D With Front Glass Door,Side Openable Panels with Lock & Key,4Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10		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 7611.00 / no					Rs 7611.00	
2	od132653/2019_2020 SITC Of 350W RMS MIXER AMPLIFIER, 3 MIC, 2 AUX, 100V/70V AND 4OHMS , BALANCED MIC,FREQUENCY RESPONSE (50 HZ-16000HZ),S/N RATIO-MIC1,2,3,4:66DB;AUX 1:80 DB,THD- LESS THAN 1% AT 1 KHZ,1/3 RATED POWER, MUTING FUNCTION-MIC 1 OVERRIDES OTHER INPUT SIGNALS WITH 0-30 DB ATTENUATION,CONTROLS-INDIVIDUAL GAIN CONTROLS, POWER SWITCH;BASS: 10DB AT 100HZ,TREBLE: 10DB AT10000HZ.		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 28129.00 / each					Rs 28129.00	
3	od132654/2019_2020 Supply Installation testing and Commissioning of 10/100/1000 Mbps 24 Port Network Switch to provide networks and internet on class room etc		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 9083.00 / each					Rs 9083.00	
4	od132655/2019_2020 Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal) 		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 7658.00 / each					Rs 7658.00	

5	od132656/2019_2020 Supply and laying of Cat6 outdoor cable including necessary connectors 						
		1	320.000				320.000
	Total Quantity						320.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						320.000 metre
	Say 320.000 metre @ Rs 85.00 / metre						Rs 27200.00
6	od132657/2019_2020 Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10						
		6					6.000
	Total Quantity						6.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						6.000 each
	Say 6.000 each @ Rs 1361.00 / each						Rs 8166.00
7	od132658/2019_2020 Supply, installation, testing and commissioning of 24 Port 10/100/1000 Mbps PoE Switch.						
		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 26881.00 / each						Rs 26881.00
8	od132659/2019_2020 Supply, installation, testing and commissioning of LAN socket.						
		11					11.000
	Total Quantity						11.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						11.000 each
	Say 11.000 each @ Rs 382.61 / each						Rs 4208.71
9	od132660/2019_2020 Supply, installation, testing and commissioning of 20 PAIR BOX WITH KRONE MODULES						
		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 1182.00 / each							Rs 1182.00
10	od134106/2019_2020 SITC of PANASONIC KX-TA 824 24 port hybrid analog Telephone system control unit intercom with 16 extensions							
		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 24110.00 / each							Rs 24110.00
11	od132661/2019_2020 Supply & Installation of telephone cable 10 pair through PVC conduit.							
		1	30.000				30.000	
	Total Quantity							30.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							30.000 metre
	Say 30.000 metre @ Rs 66.00 / metre							Rs 1980.00
12	od132662/2019_2020 Supply & Installation of UG telephone cable jelly filled, 10 pair							
		1	100.000				100.000	
	Total Quantity							100.000 metre
	Total Deducted Quantity							0.000 metre
	Net Total Quantity							100.000 metre
	Say 100.000 metre @ Rs 123.00 / metre							Rs 12300.00
13	od132663/2019_2020 Supply, Installation, Testing & commissioning of Telephone of approved makes including all other accessories for connection.							
		3					3.000	
	Total Quantity							3.000 each
	Total Deducted Quantity							0.000 each
	Net Total Quantity							3.000 each
	Say 3.000 each @ Rs 1141.00 / each							Rs 3423.00
14	od132664/2019_2020 Supply, installation, testing and commissioning of Telephone socket.							
		3					3.000	
	Total Quantity							3.000 each

							Total Deducted Quantity	0.000 each
							Net Total Quantity	3.000 each
							Say 3.000 each @ Rs 384.41 / each	Rs 1153.23
15	od132665/2019_2020 Supply, Installation, Testing and commissioning of Distribution box for PA distribution made out of 16 SWG CRCA sheet with lockable door arrangement having connectors (10 NOS) suitable for 1.5sqmm wire with facility for cable termination of 4cx10 sqmm ALAR. Required at each floor for PA wire termination.							
		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	od132666/2019_2020 Supply, Installation, Testing and commissioning of XLR cables and connectors							
		4						4.000
							Total Quantity	4.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	4.000 each
							Say 4.000 each @ Rs 2044.00 / each	Rs 8176.00
17	od132667/2019_2020 Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.							
		1	80.000					80.000
							Total Quantity	80.000 metre
							Total Deducted Quantity	0.000 metre
							Net Total Quantity	80.000 metre
							Say 80.000 metre @ Rs 66.00 / metre	Rs 5280.00
18	od132668/2019_2020 Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.							
		8						8.000
							Total Quantity	8.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	8.000 each
							Say 8.000 each @ Rs 5957.00 / each	Rs 47656.00

19	od132669/2019_2020 Supply, installation, testing and commissioning of Outdoor IR IP bullet camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity,with IR 480TV lines.						
		12					12.000
	Total Quantity						12.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						12.000 each
	Say 12.000 each @ Rs 10299.00 / each						Rs 123588.00
20	od132670/2019_2020 Network Video Recorder: Providing & fixing Network Video Recorder 32-channel 720P or 24-channel 1080P high definition network video input and storage Support simultaneous HDMI and VGA output, resolution up to 1920x1080P/60Hz Supports 256Mbps bandwidth throughput handling, Supports 4-channe, 1080P video real-time decoding and synchronous playback Supports 8 SATA hard disk with capacity up to 4TB.						
		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 50375.00 / each						Rs 50375.00
21	od132671/2019_2020 Supply, installation, testing and commissioning of 32" Flat Screen VGA Color Monitor. 						
		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 22215.00 / each						Rs 22215.00
22	od132672/2019_2020 Supply and drawing of CAT6 4 pair cable including all necessary connector.						
		1	460.000				460.000
	Total Quantity						460.000 metre
	Total Deducted Quantity						0.000 metre
	Net Total Quantity						460.000 metre
	Say 460.000 metre @ Rs 39.00 / metre						Rs 17940.00
23	od132673/2019_2020 Supply, Installation, testing and commissioning of Cat6 24 Port un loaded Patch Panel.						
		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 1614.00 / each	Rs 1614.00
24	od132674/2019_2020 Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered.							
		32						32.000
							Total Quantity	32.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	32.000 each
							Say 32.000 each @ Rs 222.00 / each	Rs 7104.00
25	od132683/2019_2020 Supply, Installation, testing and commissioning of Cat6 8 Port un loaded Patch Panel.							
		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 685.00 / each	Rs 685.00
26	od132685/2019_2020 Supply, installation, testing and commissioning of wall mounted 15Ux600Wx600D With Front Glass Door With Lock & Key,Side Openable Panels with Lock & Key,6Way 5A PDU,1U Cable Manager,Cooling Fan,H/W Kit10							
		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 8699.00 / each	Rs 8699.00
27	od132686/2019_2020 Supply, installation, testing and commissioning of 8 port PoE switch							
		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 6250.00 / no	Rs 6250.00
28	1.18.2							

	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor,unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.2 Pair							
		1	75.000				75.000	
	Total Quantity						75.000 metre	
	Total Deducted Quantity						0.000 metre	
	Net Total Quantity						75.000 metre	
	Say 75.000 metre @ Rs 26.95 / metre						Rs 2021.25	
29	od136279/2019_2020 SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Modem)							
		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	
SI No	Description	No	L	B	D	CF	Quantity	Remark
7 EXISTING SMART CLASSROOM ELECTRICAL AND ELV WORKS								
1	od132653/2019_2020 SITC Of 350W RMS MIXER AMPLIFIER, 3 MIC, 2 AUX, 100V/70V AND 4OHMS , BALANCED MIC,FREQUENCY RESPONSE (50 HZ-16000HZ),S/N RATIO-MIC1,2,3,4:66DB;AUX 1:80 DB,THD-LESS THAN 1% AT 1 KHZ,1/3 RATED POWER, MUTING FUNCTION-MIC 1 OVERRIDES OTHER INPUT SIGNALS WITH 0-30 DB ATTENUATION,CONTROLS-INDIVIDUAL GAIN CONTROLS, POWER SWITCH;BASS: 10DB AT 100HZ,TREBLE: 10DB AT10000HZ.							
		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 28129.00 / each						Rs 28129.00	
2	od132697/2019_2020 Supply, installation, testing and commissioning of 10/100/1000 Mbps 16 Port Network Switch to provide networks and internet on class room etc							
		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 6305.00 / each						Rs 6305.00	

3	od132655/2019_2020 Supply, installation, testing and commissioning of Bio Metric Finger Print scan attendance system with LCD/LED display & keypad & TCPIP LAN, USB Connectivity along with Attendance monitoring & report software (Web based Terminal) 						
		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 7658.00 / each						Rs 76580.00
4	od132657/2019_2020 Supply, Installation, Testing and commissioning of 6W Wall mount speakers with perforated metal grille with line matching transformer suitable for 4 ohm impedance 200 mm dia LBD 0606/10						
		20					20.000
	Total Quantity						20.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						20.000 each
	Say 20.000 each @ Rs 1361.00 / each						Rs 27220.00
5	od132658/2019_2020 Supply, installation, testing and commissioning of 24 Port 10/100/1000 Mbps PoE Switch.						
		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 26881.00 / each						Rs 26881.00
6	od132659/2019_2020 Supply, installation, testing and commissioning of LAN socket.						
		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 382.61 / each						Rs 3826.10
7	od132667/2019_2020 Supply & laying of twin twisted 2x1.5 sqmm Cu flexible wire 1.1 kv grade PVC insulated through PVC conduit.						
		1	220.000				220.000
	Total Quantity						220.000 metre

	Total Deducted Quantity							0.000	metre
	Net Total Quantity							220.000	metre
	Say 220.000 metre @ Rs 66.00 / metre							Rs 14520.00	
8	od132668/2019_2020 Supply, installation, testing and commissioning of indoor IR IP dome camera 2 MP 2.1mm/4mm/6mm focal length lens capable to 1.0 lux sensitivity, with IR n 480 TV lines.								
			20					20.000	
	Total Quantity							20.000	each
	Total Deducted Quantity							0.000	each
	Net Total Quantity							20.000	each
	Say 20.000 each @ Rs 5957.00 / each							Rs 119140.00	
9	od132671/2019_2020 Supply, installation, testing and commissioning of 32" Flat Screen VGA Color Monitor. 								
			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 22215.00 / each							Rs 22215.00	
10	od132672/2019_2020 Supply and drawing of CAT6 4 pair cable including all necessary connector.								
			1		620.000			620.000	
	Total Quantity							620.000	metre
	Total Deducted Quantity							0.000	metre
	Net Total Quantity							620.000	metre
	Say 620.000 metre @ Rs 39.00 / metre							Rs 24180.00	
11	od132673/2019_2020 Supply, Installation, testing and commissioning of Cat6 24 Port un loaded Patch Panel.								
			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 1614.00 / each							Rs 1614.00	
12	od132674/2019_2020 Supply, installation, testing and commissioning of Cat6 I/O for Patch Panel Shuttered.								

		24					24.000		
	Total Quantity						24.000	each	
	Total Deducted Quantity						0.000	each	
	Net Total Quantity						24.000	each	
	Say 24.000 each @ Rs 222.00 / each						Rs 5328.00		
13	od131808/2019_2020 Supply, installation, testing and commissioning of Promethean Board AB2T78 complete with all other accessories. Active inspire software will be complimentary with Promethean board.								
		10					10.000		
	Total Quantity						10.000	no	
	Total Deducted Quantity						0.000	no	
	Net Total Quantity						10.000	no	
	Say 10.000 no @ Rs 34000.00 / no						Rs 340000.00		
14	od131802/2019_2020 Supply, installation, testing, and commissioning of LT Projector and roof mount for LT projector complete with all accessories as required.								
		10					10.000		
	Total Quantity						10.000	set	
	Total Deducted Quantity						0.000	set	
	Net Total Quantity						10.000	set	
	Say 10.000 set @ Rs 24590.00 / set						Rs 245900.00		
15	od132698/2019_2020 SITC Of NVR 8 Channel 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 7203.00 / no						Rs 7203.00		
16	od132666/2019_2020 Supply, Installation, Testing and commissioning of XLR cables and connectors								
		6					6.000		
	Total Quantity						6.000	each	
	Total Deducted Quantity						0.000	each	
	Net Total Quantity						6.000	each	
	Say 6.000 each @ Rs 2044.00 / each						Rs 12264.00		

17	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	1	200.000				200.000	
		Total Quantity					200.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					200.000 metre	
		Say 200.000 metre @ Rs 158.87 / metre					Rs 31774.00	
18	1.14.2 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1	200.000				200.000	
		Total Quantity					200.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					200.000 metre	
		Say 200.000 metre @ Rs 194.33 / metre					Rs 38866.00	
19	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 5/6 amps switch	20					20.000	
		Total Quantity					20.000 each	
		Total Deducted Quantity					0.000 each	
		Net Total Quantity					20.000 each	
		Say 20.000 each @ Rs 119.15 / each					Rs 2383.00	
20	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. 15/16 amp switch	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 161.71 / each					Rs 1617.10	
21	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box							

	including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet							
		20					20.000	
	Total Quantity						20.000 each	
	Total Deducted Quantity						0.000 each	
	Net Total Quantity						20.000 each	
	Say 20.000 each @ Rs 114.90 / each						Rs 2298.00	
22	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet							
		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 217.03 / each						Rs 2170.30	
23	1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)							
		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 262.42 / each						Rs 2624.20	
24	1.27.4 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)							
		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 365.97 / each						Rs 3659.70	
25	od136279/2019_2020 SITC of D-Link (DIR-878) AC1900 MU-MIMO 1900Mbps Wi-Fi Router (Without Modem)							
		1					1.000	
	Total Quantity						1.000 each	
	Total Deducted Quantity						0.000 each	

SI No	Description	No	L	B	D	CF	Quantity	Remark
							Net Total Quantity	1.000 each
							Say 1.000 each @ Rs 5505.00 / each	Rs 5505.00
8 MAIN BUILDING FIRE PROTECTION SYSTEM								
1	od132748/2019_2020 M.S Hose Cabinet : - Providing & fixing M.S Hose cabinet door with powder coating of postal red color (of size minimum 1200mm wide, 2100mm height) made of M.S sheet 14 G with glass front door and locking arrangement to accommodate 2-hoses, one branch pipe and to accommodate F.A. hose reel in addition for internal hydrant complete as per direction of Engineer incharge. 							
		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 6216.33 / each	Rs 12432.66
2	od132751/2019_2020 Supply, installing, testing and commissioning of Fire Extinguisher dry chemical powder type ISI mark, 5 kg capacity with initial charger and installation brackets.Make - Safex / Warrior / Intime							
		3					3.000	
							Total Quantity	3.000 each
							Total Deducted Quantity	0.000 each
							Net Total Quantity	3.000 each
							Say 3.000 each @ Rs 2115.11 / each	Rs 6345.33
3	od132752/2019_2020 Providing 63mm (2½)" dia 15 m long canvas hose pipe complete with stainless steel male & female coupling stainless steel wire wound with the pipe The pipe shall confirm to IS. 4927. Make: ISI Approved.							
		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 5426.21 / each	Rs 10852.42
4	od132756/2019_2020 Providing & fixing pressure gauges of not less than 100mm dia dial of pressure range 0-10 kg/cmsq complete with shut off valve duly calibrated before installation.Make:- ISI Approved.							
		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 982.11 / each					Rs 982.11	
5	od132758/2019_2020 Supply and drawing of 2.5 sqmm 3 core PVC / XLPE insulated armoured control cables with copper conductors for working voltages up to and including 1100 V conforming to IS 1554 part I 1988 for PVC and IS 7098 Part I for XLPE							
		1	25.000				25.000	
		Total Quantity					25.000 metre	
		Total Deducted Quantity					0.000 metre	
		Net Total Quantity					25.000 metre	
		Say 25.000 metre @ Rs 360.78 / metre					Rs 9019.50	
6	od131799/2019_2020 Supply, Installation, Testing and commissioning of Over head tank (Structural Steel) with necessary Accessories (Nuts,Bolt and Support.etc) , Approved Make/Materials :- ISI Approved Materials.							
		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 662372.00 / no					Rs 662372.00	
7	90.14.28.2 S & F Motor starters of the following ratings Three phase DOL starters for 0.25HP to 7.5 HP motor							
		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 1626.04 / each					Rs 1626.04	
8	od162396/2019_2020 Providing and fixing 63 mm dia standard stainless steel short Branch Pipe female instantaneous inlet, male threaded outlet, complete with hexagonal base nozzle as per IS 903 with 20 mm nozzle complete with fixing clamps. Make: Essel/Priyanka/Newage							
		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 2717.79 / each					Rs 5435.58	
9	od162397/2019_2020							

	Providing and fixing Fire Man axe as required with Test Certificate of 20,000 volts.Make : - ISI Approved.						
		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 1524.00 / each						Rs 3048.00
10	od162398/2019_2020 FIRE EXIT :- Supply & installing in position self glowing " FIRE EXIT " sign board of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains & necessary supports to hang it on ceiling.						
		3					3.000
	Total Quantity						3.000 each
	Total Deducted Quantity						0.000 each
	Net Total Quantity						3.000 each
	Say 3.000 each @ Rs 510.00 / each						Rs 1530.00
11	od162436/2019_2020 FIRE DUCT :- Supply & installing in position self glowing " FIRE DUCT " sign board of size 100mm x 300 mm made of luminescent safely, rigid sheet in green colour, photo luminescent rigid sheet with two each hanging chains / or fixed on wall & necessary supports to hang it on ceiling / or on wall.						
		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 587.00 / each						Rs 1174.00
12	od255089/2019_2020 (CHANDANATHOPE) Providing and fixing of 25mm Air release valve as per IS:14845 ISI Marked						
		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 1995.34 / each						Rs 1995.34
13	od255090/2019_2020 (CHANDANATHOPE)22. Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required. 						
		1					1.000
	Total Quantity						1.000 each

		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 6969.55 / each						Rs 6969.55	
18	od255343/2019_2020 (CHANDANATHOPE) 11.5: Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required : 100 MM DIA 							
		3					3.000	
	Total Quantity						3.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						3.000	each
	Say 3.000 each @ Rs 6778.24 / each						Rs 20334.72	
19	od255367/2019_2020 (CHANDANATHOPE) 7.6: Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :80 MM DIA							
		1	1.000				1.000	
	Total Quantity						1.000	per metre
	Total Deducted Quantity						0.000	per metre
	Net Total Quantity						1.000	per metre
	Say 1.000 per metre @ Rs 1145.01 / per metre						Rs 1145.01	
20	od255368/2019_2020 (CHANDANATHOPE) 7.7: Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges, tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required : 100MM DIA							
		1	63.000				63.000	
	Total Quantity						63.000	each
	Total Deducted Quantity						0.000	each
	Net Total Quantity						63.000	each
	Say 63.000 each @ Rs 1543.03 / each						Rs 97210.89	
21	od255369/2019_2020							

	(CHANDANATHOPE) Below Ground Piping :- Providing, fixing, welding joints and testing of 100 mm Dia. heavy class MS ERW Black pipes as per relevant IS 1239/3589 with special accessories tees, elbows, flanged joints, rubber insertion, nuts, bolts, washers or welded joint with flange joints on bends, including fixing the pipe with suitable flat iron strip clamps/brackets structural members dash fastener,civil breakage,making good the same etc. painting with a primer coat and two coats of postal red enamel etc. complete as required. (for wet riser system) 							
		1	18.000				18.000	
	Total Quantity						18.000 per metre	
	Total Deducted Quantity						0.000 per metre	
	Net Total Quantity						18.000 per metre	
	Say 18.000 per metre @ Rs 1809.11 / per metre						Rs 32563.98	
22	od255391/2019_2020 (CHANDANATHOPE) 4.1: Supplying, installation, testing and commissioning of electric driven terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump)Horizontal type,multistage,centrifugal,split casing pump of cast iron body & bronze impeller with stainless steel shaft, mechanical confirming to IS : 1520 Suitable HP squirrel cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, confirming to IS - 325 . M.S.fabricated common base plate, coupling, coupling guard, foundation bolt set etc.as required.Suitable cement concrete foundation duly plastered and with anti vibration pads. 900LPM @35M HEAD							
		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 107837.33 / each						Rs 107837.33	
SI No	Description	No	L	B	D	CF	Quantity	Remark
9 CONTINGENCY								
Lump-Sum Total						Rs 83021.00		
Provision for GST payments (in %) @						12.0%		
Amount reserved for GST payments						1006208.10		
Total						9391276.10		
Lumpsum for round off						0.00		
TOTAL Rs 9391276.10								
Rounded Total Rs 93,91,276								
Rupees Ninety Three Lakh Ninety One Thousand Two Hundred and Seventy Six Only								

(Cost Index Applied for this estimate is 41.85%)



Other Engineering Organisations

PRICE