

ABSTRACT

**Name of the Work: Providing Electrification for Hostel, Tutorial and Dining Hall Blocks, IIIT
Srikakulam, S.M.Puram, Srikakulam (Dist).**

S No	Description	Estimated Amount
1	Cost of Electrification Works for 2 Hostel Blocks	21636421.00
2	Cost of Electrification Works for 1 Tutorial Block	13383009.00
3	Cost of Electrification Works for 2 Dining Hall Blocks	9822239.00
	TOTAL for Electrification works (1 to 3)	44841669.00

ESTIMATE						
Name of the Work(Hostel): Providing Electrification for Hostel, Tutorial and Dining Hall Blocks, IIIT Srikakulam, S.M.Puram, Srikakulam (Dist).						
S. NO.	Quantity		Description of Work	Unit	Rate (Rs.)	Amount (Rs.)
					in fig.	
1	3000	RM	CONDUIT PIPE Supply and fixing of 25mm outer dia 2.20 mm thick Heavy grade PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete. Makes:- Sudhakar/ Modi.	ONE RM	70.52	211560.00
2	670	RM	Supply and Fixing of 32mm outer dia Medium grade (2.1 mm Thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS Deep Boxes and all accessories including masonry work for light, fan and separate plug point with MS modular switch box including all labour charges etc., complete. for EPABX, LAN, and CCTV, Run of mains, light, fan points. Makes:- Sudhakar	ONE RM	94.30	63181.00
3	2700	RM	Supply and fixing of 25mm outer dia Medium grade (1.8 mm thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS junction boxes and all accessories including masonry work for light, Fan and separate plug point with MS Modular switch box including all labour charges etc., complete for EPABX, LAN, and CCTV, Bell, light, Fan points. Makes:- Sudhakar/ Modi.	ONE RM	78.30	211410.00
4	300	Nos	Supply and erecting MS galvanised Fan hook box with hook in RCC slab including all Labour charges etc., complete.	EACH	60.00	18000.00
5	1300	PTS	WIRING Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete. (for Residential Building) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	491.86	639414.29
6	10	PTS	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete (Residential Building) for Staircase points. (2 way Switch) . Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells /Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	670.53	6705.33
7	200	PTS	Wiring with 3 runs of 1.5 sq.mm FRLS P.V.C. insulated flexible copper cable (phase, neutral, earth) in the existing conduit pipe with 6 Amps Modular type switch, and 6 A 3/2 pin Modular type socket with cover plate on common switch board etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / /Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	290.00	58000.00

8	300	PTS	Wiring with 2 of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A switch and 6A, 3/2 pin socket Modular type with 6A switch control and MS boxes with cover plate fixing on separate board including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	461.53	138460.00
9	750	PTS	Wiring with 2 of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch control- 3nos and 6A, 3/2 pin Modular sockets - 3 nos fixing on separate board including all labour charges etc., complete. (for LABs & Computer Use) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH POINT	892.00	669000.00
10	120	NOS	S&D of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH	980.00	117600.00
11	10000	RM	RUN of MAINS Supply and run of 1 of 22 /0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells /Power Flex / RPG / Orbit / V Guard.	ONE RM	21.00	209960.00
12	600	RM	Supply and run of 3 of 1.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for sub-circuits including labour charges etc., complete as required for small switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	62.94	37764.00
13	6000	RM	Supply and run of 2 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards.(From Switch boards to DBS) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	58.73	352392.00
14	4500	RM	Supply and run of 3 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards.(From Switch boards to DBS) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	88.24	397089.00
15	7000	RM	Supply and 2 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	82.13	574896.00

16	3000	RM	Supply and 3 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	123.19	369576.00
17	600	RM	Supply & run of 3 of 6.0 Sqmm (84/0.3mm) (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for run of mains including labour charges etc. complete for AC points & SDB's etc as required. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	179.89	107935.20
18	1000	RM	Supply and run of 5 of 6 Sq mm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for circuits including labour charges etc. complete as required for run of mains from Lighting panel board to TPN DB'S with pin type lugs and connections. [for LDBs] Makes of wires:- KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	299.82	299820.00
19	600	RM	Supply & run of 2 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB"s with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	181.80	109080.00
20	600	RM	Supply & run of 5 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB"s with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	454.50	272700.00
21	40	NOS	DISTRIBUTION BOARDS Supply and fixing single phase DB in sheet steel enclosure with metallic plug and socket with 1 No. 20/32A, 10KA 'c' curve SPMCB (Motor characteristics MCBs) control including making connections etc., complete concealing in wall for A.C. points etc. Makes : Legrand / Schneider.	EACH	1610.00	64400.00
22	10	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Module) with provision to accommodate the ELCB incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 32A 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' Curve MCB outgoing including making connections etc., complete concealing in wall. (LIGHTING DB's) Makes : Legrand / Schneider.	EACH	7023.50	70235.00
23	15	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Mofule) with provision to accommodate ELCB as incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 63 Amps 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' curve MCBs as outgoing including making connections etc., complete concealing in wall. (POWER DB's) Makes : Legrand / Schneider.	EACH	8108.50	121627.50
24	3	NOS	SPN 8 way D.B with IP-43, 63A FP MCB - 1 No for incomer, 10kA-6-32A SP MCBs - 6 Nos for outgoing.	EACH	5182.50	15547.50
25	6	NOS	Supply and fixing TPN - 8 way Vertical type Distribution board with IP-43 Protection (Metal Door) suitable to accommodate MCCB as incomer and single/three pole MCBs as outgoing with 125A, 50 KA MCCB 6 nos, 4Pole 25 kA MCCB as incomer with 6No of 40/63A, , 6-32A, 10 kA SP MCBs 'c' curve as outgoing including making connections and labour charges etc., complete concealing in wall. Makes : Legrand / Schneider.	EACH	33418.50	200511.00

26	6	NOS	Supply and Installation of 125 Amps TPN MCCB with cable end boxes on suitable angle iron frame work for the areas mentioned in the drawings including all Labours charges, massonry work etc. complete for finished item of work. Makes: L&T/Siemens/ Schneider.	EACH	11200.00	67200.00
27	35	Nos	Supply and fixing of cable adopteres box with cover for DBs including, massanory work etc., complete., Makes : Legrand / Schneider.	EACH	600.00	21000.00
28	6	No	EARTHINGS Providing independent earthing by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 100mm dia Heavy Gauge C.I (Cast iron) pipe of 2.5 Mtrs length with Heavy gauge Flange with necessary accessories including filling with Bentonite powder and all labour charges etc., complete. (for Main Panels and DG sets)	Each	4740.40	28442.40
29	300	RM	Supply and run of No. 8SWG GI wire including cost of all accessories and labour charges etc complete.	ONE RM	16.13	4839.60
30	100	Rmt	Supply and Run of 25mm x 6mm Copper Strip including cost of all accessories and labour charges etc., complete.	ONE RM	830.31	83031.00
31	600	NOS	FIXTURES Supply, Transportaton, and fixing of 36W/40W, 1200mm length, 1665 lumins, LED tube light , input voltage AC 240 Volts with ≥0.95 PF with driver and frosted cover etc complete with 5 years warranty. Makes: Philips / GE / Crompton / Bajaj /	EACH	1214.40	728640.00
32	390	NOS	Supply and fixing of BH/SBH in lieu of ceiling rose with 1 NO 3-5 W bulb with connections etc., complete with labour charges (Gold Medal/ Anchor / Million)	EACH	11.00	4290.00
33	2	NOS	Supply and fixing of calling bell on 6"x 8" decolam block including giving connections, cost of all accessories and all labour charges etc., complete. Make: Gold Medal/ Anchor / Million	EACH	174.52	349.04
34	240	NOS	Supply, Transportation of Ceiling fan 48"(1200mm) ceiling fans with 3 blades & double ball bearings with out Regulators and all standard accessories and giving connections etc., complete. Make: Crompton / Orient.	EACH	1780.00	427200.00
35	240	NOS	Supply and fixing of modular Electronic step type fan regulator hum free step type socket size with MS box, front plate in the existing switch board (Modular Type) Make: Anchor roma / MK / Cabtree / Salzar / Legrand / Mosaic model as per Dept., Direction.	EACH	378.00	90720.00
36	240	NOS	Supply and erecting 19/20mm steel tube down rod of one meter length with bolts & nuts duly painted with matching colour of fan complete.	EACH	116.00	27840.00
37	240	NOS	Labour charges for Fixing of Ceiling fan including giving connections with twin core wire etc., complete.	EACH	130.40	31296.00
38	30	NOS	Supply,Transportation of Light duty exhaust fan 12"(300 mm) size1350 rpm with metal blades wiremesh with all accessories etc complete Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air / MIIT.	EACH	1450.00	43500.00
39	15	NOS	Supply,Transportation of Heavy duty exhaust fan 12"(300 mm) size with all accessories such as louver shutter etc., Makes: Crompton / Almounard / Havells Turbo Force.	EACH	2700.00	40500.00
40	45	NOS	Labour charges for fixing of Exhaust fan in wall with necessary connections and masonary work of making hole, finishing etc., complete.	EACH	541.65	24374.25
41	45	NOS	Supply and fixing of louver shutter suitable for 12" Exhaust fan including all labour charges etc complete with connections and colouring matching to the wall with enamel paint.	EACH	257.50	11587.50
42	600	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminimum conductor complete Make: RPG/ POLY CAB/ Havells/Finolex/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 3.5 Core 50 Sq.mm.	ONE RM	280.00	168000.00

43	500	Rmt	Supply, Transportation and laying XLPE armoured under ground HT cable of size 3 Core 185.00 Sqmm 11KV grade of make Torrent / Universal / Polycab / Havells / KEI / RPG / Unicab. with ISI mark standard / Solid aluminium conductor etc., complete by making trench in all soils up to 0.90Mtr deep and filling the Sand at the bottom of trench before laying the cable and embedding the cable complete on sand layer and bricks placed on top of the cable width wise all over the run and back filling the excavated earth without stones and making the surface proper with 15cm crown on the top duly providing root indicators at every 8 Mtrs embeded in CC as per IS 1255 and as directed by the department including cost and conveyance of all materials and labour charges etc., complete.	ONE RM	1859.53	929765.00
44	400	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminium conductor complete Make: RPG/ POLY CAB/ Havells/Finox/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 4.0 Core 16 Sq.mm.	ONE RM	140.00	56000.00
45	400	RM	Earth work excavation of Trench in hard ground soil, laying of U.G cables of size up to 70 Sqmm on sand cushion covering the cable with bricks and back filling of Trench duly providing route indicator (as per general instruction S.No. 14 of SSR) embedded in C.C including cost and conveyance of materials and labour charges etc., complete.	ONE RM	144.67	57869.92
46	400	RM	Labour charges for run of U.G cable on wall / existing pipe with necessary fixing arrangements such as saddles, clamps, wooden separators etc., (as directed by departmental official) for the cables.	ONE RM	35.70	14280.00
47	4	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. 25 to 50Sq.mm	EACH	138.00	552.00
48	50	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. up to 16 Sq.mm	EACH	94.00	4700.00
49	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 50Sq.mm	EACH	20.00	200.00
50	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 35Sq.mm	EACH	17.00	170.00
51	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 16 Sq.mm	EACH	12.00	120.00
52	10	NOS	STREET LIGHTS Supply and transportation of 150 W LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temprature < 70°C, with Ingress protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution , THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE :PHILIPS (GREEN LINE) / OSRAM / SCHREDER (BRIKA) / GE / VIN (STO) / CROMPTON (LEXUS+) / BAJAJ (EDGE+) / HALONIX (LUMOS - SUPER) / HAVELLS (ENDURA CITYLINER NEO) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	EACH	16518.00	165180.00
53	10	NOS	Fixing of LED street light luminary with 1.0 Mtr., 25mm Nominal Bore Medium grade G.I.Pipe bracket and anti tilting MS flat etc., including giving connections and labour charges etc., complete.	EACH	460.93	4609.25
54	200	RM	TV WIRING Supply and laying of RG6 co-axial cable in the existing metallic/non metallic conduit pipe with connections etc.,complete for TVs and CCTV Net work. Makes: Finox/ Polycab	ONE RM	24.00	4800.00

55	6	Nos	Supply and fixing of TV outlet Modular type in existing MS/modular box with modular front cover plate with screws connections etc., complete. Makes: GM G Home / Penta Cherry / Great white Omega	Each	233.00	1398.00
56	6	NOS	WATER COOLERS Supply and fixing of water cooler fully stainless steel of capacity 60/120 to be operated on single phase supply with ISI mark. Makes Blue star / Voltas / Usha.	Each	42994.00	257964.00
57	200	RM	EPABX - TELEPHONE WIRING Supply and laying of 2 pair telephone wire 0.5mm copper in the existing metallic/non metallic conduit pipe with connections etc., complete. Makes: Finolex / Delton / Surabi / Polycab	ONE RM	17.56	3512.80
58	6	NOS	Supply and fixing of 2 Line telephone jack socket model modular type with connector front and back plate in existing modular box with screws connections etc., complete. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus /Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	Each	229.32	1375.92
59	300	Nos	LAN Supply and termination of cat-6 RJ 45 out lets including dual face plate of Makes: D Link / AMP / Molex /	Each	404.32	121296.00
60	5000	RM	Supply and laying of Cat 6 UTP cable including all taxes etc complete. Makes: D Link / AMP / Molex /	ONE RM	34.59	172950.00
61			MAIN POWER PANEL			
62	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.	EACH	282997.00	565994.00
63			MAIN LIGHTING PANEL			
64	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.	EACH	189000.00	378000.00
65			SUB FLOOR POWER PANEL			

66	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.	EACH	190000.00	380000.00
67			Incomer : 400A Four Pole MCCB, 50 KA - Make: L&T d sine Model/Siemens/Schneider - 1 No			
68	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.	EACH	260000.00	520000.00
69	6	Nos	V - FIRE EXTINGUISHERS Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. (SSR - 15-16 - 9.4.8)	EACH	6300.00	37800.00
TOTAL						10818210

ESTIMATE						
Name of the Work(Tutorial): Providing Electrification for Hostel,Tutorial and Dining Hall Blocks, IIT Srikakulam, S.M.Puram, Srikakulam (Dist).						
S. NO.	Quantity		Description of Work	Unit	Rate (Rs.) in fig.	Amount (Rs.)
1	4500	RM	CONDUIT PIPE Supply and fixing of 25mm outer dia 2.20 mm thick Heavy grade PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete. Makes:- Sudhakar/ Modi.	ONE RM	70.52	317340.00
2	600	RM	Supply and Fixing of 32mm outer dia Medium grade (2.1 mm Thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS Deep Boxes and all accessories including masonry work for light, fan and separate plug point with MS modular switch box including all labour charges etc., complete. for EPABX, LAN, and CCTV, Run of mains, light, fan points. Makes:- Sudhakar	ONE RM	94.30	56580.00
3	600	RM	Supply and Fixing of 20 mm outer dia 2.10 mm thick Heavy grade PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete. Makes:- Sudhakar	ONE RM	60.28	36168.00
4	2000	RM	Supply and fixing of 25mm outer dia Medium grade (1.8 mm thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS junction boxes and all accessories including masonry work for light, Fan and separate plug point with MS Modular switch box including all labour charges etc., complete for EPABX, LAN, and CCTV, Bell, light, Fan points. Makes:- Sudhakar/ Modi.	ONE RM	78.30	156600.00
5	300	Nos	Supply and erecting MS galvanized Fan hook box with hook in RCC slab including all Labour charges etc., complete.	EACH	60.00	18000.00
6	800	PTS	WIRING Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete. (for Residential Building) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells /Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / / CPL / Panasonic Vision.	EACH POINT	491.86	393485.71
7	12	PTS	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete (Residential Building) for Staircase points. (2 way Switch). Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells /Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	670.53	8046.40
8	600	PTS	Wiring with 3 runs of 1.5 sq.mm FRLS P.V.C. insulated flexible copper cable (phase, neutral, earth) in the existing conduit pipe with 6 Amps Modular type switch, and 6 A 3/2 pin Modular type socket with cover plate on common switch board etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells /Power Flex / RPG / / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	290.00	174000.00

9	150	PTS	Wiring with 2 of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A switch and 6A, 3/2 pin socket Modular type with 6A switch control and MS boxes with cover plate fixing on separate board including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / GM Four Five / CPL / Panasonic Vision.	EACH POINT	461.53	69230.00
10	300	PTS	Wiring with 2 of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch control- 3nos and 6A, 3/2 pin Modular sockets - 3 nos fixing on separate board including all labour charges etc., complete. (for LABS & Computer Use) Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells //Power Flex / RPG / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH POINT	892.00	267600.00
11	200	NOS	S&D of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / CPL / Panasonic Vision.	EACH	980.00	196000.00
12	15000	RM	RUN of MAINS Supply and run of 1 of 22 /0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V Guard.	ONE RM	21.00	314940.00
13	2000	RM	Supply and run of 3 of 1.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for sub-circuits including labour charges etc., complete as required for small switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	62.94	125880.00
14	6000	RM	Supply and run of 1 of 36/0.3mm (2.5 Sq.mm) F.R.L.S P.V.C. insulated flexible copper cable in existing pipe for mains including all labour charges etc., complete.	ONE RM	29.41	176484.00
15	1200	RM	Supply and run of 2 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	58.73	70478.40
16	9000	RM	Supply and run of 3 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	88.24	794178.00
17	6000	RM	Supply and 2 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	82.13	492768.00
18	5000	RM	Supply and 3 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	123.19	615960.00

19	600	RM	Supply & run of 3 of 6.0 Sqmm (84/0.3mm) (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for run of mains including labour charges etc. complete for AC points & SDB's etc as required. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	179.89	107935.20
20	2500	RM	Supply and run of 5 of 6 Sq mm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for circuits including labour charges etc. complete as required for run of mains from Lighting panel board to TPN DB'S with pin type lugs and connections. [for LDBs] Makes of wires:- KEI / Anchor / Polycab / Havells //Power Flex / RPG / Orbit / V-Guard.	ONE RM	299.82	749550.00
21	300	RM	Supply & run of 2 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB's with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	181.80	54540.00
22	2000	RM	Supply & run of 5 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB's with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / Power Flex / RPG / Orbit / V-Guard.	ONE RM	454.50	909000.00
23	100	Each	Supply and fixing of 1 or 2 modular GI box concealed in wall with modular cover frame with all required accessories including masonry work and all labour charges etc., complete of Makes: Legrand Myrius / Cabtree Thames Platinum / GM Four Five / Million Logus / Gold Medal Curve / CPL / Panasonic Vision / Salzer S 90 Series.	EACH ONE	165.96	16596.00
24	80	Each	Supply and fixing of 4 modular GI box concealed in wall with modular cover frame with all required accessories including masonry work and all labour charges etc., complete of Makes: Legrand Myrius / Cabtree Thames Platinum / GM Four Five / Million Logus / Gold Medal Curve / CPL / Panasonic Vision / Salzer S 90 Series.	EACH ONE	239.56	19164.80
25	40	Each	Supply and fixing of 8 modular GI box concealed in wall with modular cover frame with all required accessories including masonry work and all labour charges etc., complete of Makes: Legrand Myrius / Cabtree Thames Platinum / GM Four Five / Million Logus / Gold Medal Curve / CPL / Panasonic Vision / Salzer S 90 Series.	EACH ONE	398.83	15953.20
26	20	Each	Supply and fixing of 12 modular GI box concealed in wall with modular cover frame with all required accessories including masonry work and all labour charges etc., complete of Makes: Legrand Myrius / Cabtree Thames Platinum / GM Four Five / Million Logus / Gold Medal Curve / CPL / Panasonic Vision / Salzer S 90 Series.	EACH ONE	491.63	9832.60
27	40	NOS	DISTRIBUTION BOARDS Supply and fixing single phase DB in sheet steel enclosure with metallic plug and socket with 1 No. 20/32A, 10KA 'c' curve SPMCB (Motor characteristics MCBs) control including making connections etc., complete concealing in wall for A.C. points etc. Makes : Legrand / Schneider.	EACH	1610.00	64400.00
28	3	NOS	SPN 6 way D.B with IP-43, 63A FP MCB - 1 No for incomer, 10kA-6-32A SP MCBs - 6 Nos for outgoing.	EACH	4245.00	12735.00
29	40	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Module) with provision to accommodate the ELCB incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 32A 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' Curve MCB outgoing including making connections etc., complete concealing in wall. (LIGHTING DB's) Makes : Legrand / Schneider.	EACH	7023.50	280940.00

30	40	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Mofule) with provision to accommodate ELCB as incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 63 Amps 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' curve MCBs as outgoing including making connections etc., complete concealing in wall. (POWER DB's) Makes : Legrand / Schneider.	EACH	8108.50	324340.00
31	12	NOS	Supply and fixing TPN - 8 way Vertical type Distribution board with IP-43 Protection (Metal Door) suitable to accommodate MCCB as incomer and single/three pole MCBs as outgoing with 125A, 4 Pole 25 kA MCCB as incomer with 6No of 40/63A, 10 KA TP MCBs 'c' curve and 6 No, 6-32A, 10 kA SP MCBs 'c' curve as outgoing including making connections and labour charges etc., complete concealing in wall. Makes : Legrand / Schneider.	EACH	33418.50	401022.00
32	6	NO	Supply and Installation of 125 Amps TPN MCCB with cable end boxes on suitable angle iron frame work for the areas mentioned in the drawings including all Labours charges, massonry work etc. complete for finished item of work. Makes: L&T/Siemens/ Schneider.	EACH	11200.00	67200.00
33	80	Nos	Supply and fixing of cable adopteres box with cover for DBs including, massanory work etc., complete., Makes : Legrand / Schneider.	EACH	600.00	48000.00
34	10	No	EARTHINGS Providing independent earthling by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 100mm dia Heavy Gauge C.I (Cast iron) pipe of 2.5 Mtrs length with Heavy gauge Flange with necessary accessories including filling with Bentonite powder and all labour charges etc., complete. (for Main Panels and DG sets)	Each	4740.40	47404.00
35	500	RM	Supply and run of No. 8SWG GI wire including cost of all accessories and labour charges etc complete.	ONE RM	16.13	8066.00
36	200	Rmt	Supply and Run of 25mm x 6mm Copper Strip including cost of all accessories and labour charges etc., complete.	ONE RM	830.31	166062.00
37	500	NOS	FIXTURES Supply, Transportaton, and fixing of 16W, 1200mm length, 1665 lumins, LED tube light , input voltage AC 240 Volts with ≥0.95 PF with driver and frosted cover etc complete with 5 years warranty. Makes: Syska / Philips / / Anchor / GE / Crompton / Bajaj / VIN LED / Halonix / Surya / BLU / Kripa / Fortune / MIC / Semtronics.,	EACH	1214.40	607200.00
38	100	NOS	Supply and fixing of BH/SBH in lieu of ceiling rose with 1 NO 3-5 W bulb with connections etc., complete with labour charges (Gold Medal/ Anchor / Million)	EACH	11.00	1100.00
39	25	NOS	Supply and fixing of calling bell on 6"x 8" decolam block including giving connections, cost of all accessories and all labour charges etc., complete. Make: Gold Medal/ Anchor / Million	EACH	174.52	4363.00
40	300	NOS	Supply, Transportation of Ceiling fan 48"(1200mm) ceiling fans with 3 blades & double ball bearings with out Regulators and all standard accessories and giving connections etc., complete. Make: Crompton / Orient.	EACH	1780.00	534000.00
41	300	NOS	Supply and fixing of modular Electronic step type fan regulator hum free step type socket size with MS box, front plate in the existing switch board (Modular Type) Make: Anchor roma / MK / Cabtree / Salzar / Legrand / Mosaic model as per Dept., Direction.	EACH	378.00	113400.00
42	300	NOS	Supply and erecting 19/20mm steel tube down rod of one meter length with bolts & nuts duly painted with matching colour of fan complete.	EACH	116.00	34800.00
43	300	NOS	Labour charges for Fixing of Ceiling fan including giving connections with twin core wire etc., complete.	EACH	130.40	39120.00
44	50	NOS	Supply,Transportation of Light duty exhaust fan 12"(300 mm) size 1350 rpm with metal blades wiremesh with all accessories etc complete Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air / MIIT.	EACH	1450.00	72500.00

45	50	NOS	Labour charges for fixing of Exhaust fan in wall with necessary connections and masonry work of making hole, finishing etc., complete.	EACH	541.65	27082.50
46	50	NOS	Supply and fixing of louver shutter suitable for 12" Exhaust fan including all labour charges etc complete with connections and colouring matching to the wall with enamel paint.	EACH	257.50	12875.00
47	300	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminium conductor complete Make: RPG/ POLY CAB/ Havells/Finolex/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 3.5 Core 50 Sq.mm.	ONE RM	280.00	84000.00
48	300	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminium conductor complete Make: RPG/ POLY CAB/ Havells/Finolex/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 4.0 Core 16 Sq.mm.	ONE RM	140.00	42000.00
49	300	Rmt	Supply, Transportation and laying XLPE armoured under ground HT cable of size 3 Core 185.00 Sqmm 11KV grade of make Torrent / Universal / Polycab / Havells / KEI / RPG / Unicab. with ISI mark standard / Solid aluminium conductor etc., complete by making trench in all soils up to 0.90Mtr deep and filling the Sand at the bottom of trench before laying the cable and embedding the cable complete on sand layer and bricks placed on top of the cable width wise all over the run and back filling the excavated earth without stones and making the surface proper with 15cm crown on the top duly providing root indicators at every 8 Mtrs embeded in CC as per IS 1255 and as directed by the department including cost and conveyance of all materials and labour charges etc., complete.	ONE RM	1859.53	557859.00
50	300	RM	Earth work excavation of Trench in hard ground soil, laying of U.G cables of size up to 70 Sqmm on sand cushion covering the cable with bricks and back filling of Trench duly providing route indicator (as per general instruction S.No. 14 of SSR) embedded in C.C including cost and conveyance of materials and labour charges etc., complete.	ONE RM	144.67	43402.44
51	300	RM	Labour charges for run of U.G cable on wall / existing pipe with necessary fixing arrangements such as saddles, clamps, wooden separators etc., (as directed by departmental official) for the cables.	ONE RM	35.70	10710.00
52	50	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. 25 to 50Sq.mm	EACH	138.00	6900.00
53	50	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. up to 16 Sq.mm	EACH	94.00	4700.00
54	30	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 50Sq.mm	EACH	20.00	600.00
55	30	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 35Sq.mm	EACH	17.00	510.00
56	30	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 16 Sq.mm	EACH	12.00	360.00

57	10	NOS	STREET LIGHTS Supply and transportation of 150 W LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingrees protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution, THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE :PHILIPS (GREEN LINE) / OSRAM / SCHREDER (BRIKA) / GE / VIN (STO) / CROMPTON (LEXUS+) / BAJAJ (EDGE+) / HALONIX (LUMOS - SUPER) / HAVELLS (ENDURA CITYLINER NEO) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	EACH	16518.00	165180.00
58	10	NOS	Fixing of LED street light luminary with 1.0 Mtr., 25mm Nominal Bore Medium grade G.I.Pipe bracket and anti tilting MS flat etc., including giving connections and labour charges etc., complete.	EACH	460.93	4609.25
60	600	RM	TV WIRING Supply and laying of RG6 co-axial cable in the existing metallic/non metallic conduit pipe with connections etc.,complete for TVs and CCTV Net work. Makes: Finolex/ Million / Gold Medal / Anchor / Polycab	ONE RM	24.00	14400.00
61	120	Nos	Supply and fixing of TV outlet Modular type in existing MS/modular box with modular front cover plate with screws connections etc., complete. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	Each	233.00	27960.00
62	6	NOS	WATER COOLERS Supply and fixing of water cooler fully stainless steel of capacity 60/120 to be operated on single phase supply with ISI mark. Makes Blue star / Voltas / Usha.	Each	42994.00	257964.00
63	200	RM	EPABX - TELEPHONE WIRING Supply and laying of 2 pair telephone wire 0.5mm copper in the existing metallic/non metallic conduit pipe with connections etc., complete. Makes: Finolex / Delton / Surabi / Polycab	ONE RM	17.56	3512.80
64	6	NOS	Supply and fixing of 2 Line telephone jack socket model modular type with connector front and back plate in existing modular box with screws connections etc., complete. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus /Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	Each	229.32	1375.92
65	300	Nos	LAN Supply and termination of cat-6 RJ 45 out lets including dual face plate of Makes: D Link / AMP /	Each	404.32	121296.00
66	10000	RM	Supply and laying of Cat 6 UTP cable including all taxes etc complete. Makes: D Link / AMP / Molex /	ONE RM	34.59	345900.00
67	48	RM	Supply and fixing of 12 U Floor mounting net work Rack with power spike including all accessories etc., complete. (HCL Vall / D-Link /AMP / Krone)	ONE RM	6772.00	325056.00
			MAIN POWER PANEL			
68	2.0	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coated with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		282997.0	565994.00
			MAIN LIGHTING PANEL			

69	2.0	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		189000.0	378000.00
			SUB FLOOR POWER PANEL			
70	3.0	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		190000.0	570000.00
			Incomer : 400A Four Pole MCCB, 50 KA - Make: L&T d sine Model/Siemens/Schneider - 1 No			
71	3.0	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		260000.0	780000.00
72	6.0	Nos	V - FIRE EXTINGUISHERS Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. (SSR - 15-16 - 9.4.8)	EACH	6300.0	37800.00
					TOTAL	13383009

ESTIMATE						
Name of the Work(Dining Hall): Providing Electrification for Hostel,Tutorial and Dining Hall Blocks, IIT Srikakulam, S.M.Puram, Srikakulam (Dist).						
S. NO.	Quantity		Description of Work	Unit	Rate (Rs.)	Amount (Rs.)
					in fig.	
1	1000	RM	CONDUIT PIPE Supply and fixing of 25mm outer dia 2.20 mm thick Heavy grade PVC pipe (ISI MARK) concealed in Roof Slabs with all required MS deep boxes and all accessories including and labour charges etc., complete. Makes:- Sudhakar/ Modi.	ONE RM	70.52	70520.000
2	100	RM	Supply and Fixing of 32mm outer dia Medium grade (2.1 mm Thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS Deep Boxes and all accessories including masonry work for light, fan and separate plug point with MS modular switch box including all labour charges etc., complete. for EPABX, LAN, and CCTV, Run of mains, light, fan points. Makes:- Sudhakar	ONE RM	94.30	9430.000
3	500	RM	Supply and fixing of 25mm outer dia Medium grade (1.8 mm thick) P.V.C. pipe (ISI MARK) concealed in wall with all required MS junction boxes and all accessories including masonry work for light, Fan and separate plug point with MS Modular switch box including all labour charges etc., complete for EPABX, LAN, and CCTV, Bell, light, Fan points. Makes:- Sudhakar/ Modi.	ONE RM	78.30	39150.000
4	65	Nos	Supply and erecting MS galvanised Fan hook box with hook in RCC slab including all Labour charges etc., complete.	EACH	60.00	3900.000
5	500	PTS	WIRING Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete. (for Residential Building) Makes of wires:- Finolex / RR kabel /KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH POINT	491.86	245928.571
6	6	PTS	Wiring with 2 runs of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A Modular switch, Ceiling rose/BH/SBH Modular switches with cover plate including all labour charges etc., complete (Residential Building) for Staircase points. (2 way Switch). Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH POINT	670.53	4023.200

7	30	PTS	Wiring with 3 runs of 1.5 sq.mm FRLS P.V.C. insulated flexible copper cable (phase, neutral, earth) in the existing conduit pipe with 6 Amps Modular type switch, and 6 A 3/2 pin Modular type socket with cover plate on common switch board etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH POINT	290.00	8700.000
8	60	PTS	Wiring with 2 of 22/0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable (ISI MARK) in existing pipe with 6A switch and 6A, 3/2 pin socket Modular type with 6A switch control and MS boxes with cover plate fixing on separate board including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH POINT	461.53	27692.000
9	45	NOS	S&D of 16A/6A, 2 in one socket with 16A switch control modular type with MS flush boxes with front cover plate including all labour charges etc., complete. Makes of switches:- Legrand Myrius / Anchor Roma viola / Cabtree Thames Platinum / Million Logus / Gold Medal Curve / GM Four Five / CPL / Panasonic Vision.	EACH	359.32	16169.400
10	4000	RM	RUN of MAINS Supply and run of 1 of 22 /0.3mm (1.5 Sq.mm) FRLS P.V.C. insulated flexible copper cable in existing pipe for earth continuity including all labour charges etc., complete. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	21.00	83984.000
11	500	RM	Supply and run of 3 of 1.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for sub-circuits including labour charges etc., complete as required for small switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	62.94	31470.000
12	2500	RM	Supply and run of 2 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	58.73	146830.000
13	1500	RM	Supply and run of 3 of 2.5 sq.mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for individual lighting circuits including labour charges etc., complete as required for switch boards. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	88.24	132363.000

14	2000	RM	Supply and 2 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	82.13	164256.000
15	1200	RM	Supply and 3 runs of 4.0 sq mm (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing conduit pipe for run of mains including labour charges etc., complete as required including labour charges for 16A sockets. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	123.19	147830.400
16	300	RM	Supply & run of 3 of 6.0 Sqmm (84/0.3mm) (phase neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for run of mains including labour charges etc. complete for AC points & SDB's etc as required. Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	179.89	53967.600
17	600	RM	Supply and run of 5 of 6 Sq mm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in existing MS conduit pipe for circuits including labour charges etc. complete as required for run of mains from Lighting panel board to TPN DB'S with pin type lugs and connections. [for LDBs] Makes of wires:- KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	299.82	179892.000
18	300	RM	Supply & run of 2 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB"s with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	181.80	54540.000
19	600	RM	Supply & run of 5 of 10.0 Sqmm (phases, neutral and earth) FRLS PVC insulated flexible copper cable in the existing conduit pipe for run of mains from Power panel board to TPN DB"s with pin type lugs and connections etc., complete. [for PDBs] Makes of wires:- Finolex / RR kabel / KEI / Anchor / Polycab / Havells / GM / Million / HPL / Goldmedal / Kundancab /Power Flex / RPG / Sun Cab / Fortune Art / Great white / Orbit / V-Guard.	ONE RM	454.50	272700.000
20	15	NOS	DISTRIBUTION BOARDS Supply and fixing single phase DB in sheet steel enclosure with metallic plug and socket with 1 No. 20/32A,10KA 'c' curve SPMCB (Motor characteristics MCBs) control including making connections etc., complete concealing in wall for A.C. points etc. Makes : Legrand / Schneider.	EACH	1610.00	24150.000

21	3	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Module) with provision to accommodate the ELCB incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 32A 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' Curve MCB outgoing including making connections etc., complete concealing in wall. (LIGHTING DB's) Makes : Legrand / Schneider.	EACH	7023.50	21070.500
22	3	NOS	Supply and fixing of TPN 4 way distribution board IP-43 (8+12 Mofule) with provision to accommodate ELCB as incomer and suitable for single pole outgoing MCB's in sheet Steel enclosure with 63 Amps 4 pole MCB as incomer and 12 No of 6 to 32 Amps single pole, 10 KA breaking capacity 'c' curve MCBs as outgoing including making connections etc., complete concealing in wall. (POWER DB's) Makes : Legrand / Schneider.	EACH	8108.50	24325.500
23	4	NOS	Supply and fixing TPN - 8 way Vertical type Distribution board with IP-43 Protection (Metal Door) suitable to accommodate MCCB as incomer and single/three pole MCBs as outgoing with 125A, 4Pole 25 kA MCCB as incomer with 6No of 40/63A, 10 KA TP MCBs 'c' curve and 6 No, 6-32A, 10 kA SP MCBs 'c' curve as outgoing including making connections and labour charges etc., complete concealing in wall. Makes : Legrand / Schneider.	EACH	33418.50	133674.000
24	2	NOS	Supply and Installation of 125 Amps TPN MCCB with cable end boxes on suitable angle iron frame work for the areas mentioned in the drawings including all Labours charges, massonry work etc. complete for finished item of work. Makes: L&T/Siemens/ Schneider.	EACH	11200.00	22400.000
25	10	Nos	Supply and fixing of cable adopteres box with cover for DBs including, massanory work etc., complete., Makes : Legrand / Schneider.	EACH	600.00	6000.000
26	6	No	EARTHINGS Providing independent earthing by excavating a trench to a depth of 2.5 M in all soils, as per size specified in the Data, using 100mm dia Heavy Gauge C.I (Cast iron) pipe of 2.5 Mtrs length with Heavy gauge Flange with necessary accessories including filling with Bentonite powder and all labour charges etc., complete. (for Main Panels and DG sets)	Each	4740.40	28442.400
27	50	Rmt	Supply and Run of 25mm x 6mm Copper Strip including cost of all accessories and labour charges etc., complete.	ONE RM	830.31	41515.500
28	100	RM	Supply and run of No. 8SWG GI wire including cost of all accessories and labour charges etc complete.	ONE RM	16.13	1613.200
29	160	NOS	FIXTURES Supply, Transportaton, and fixing of 36W/40W, 1200mm length, 1665 lumens, LED tube light , input voltage AC 240 Volts with ≥0.95 PF with driver and frosted cover etc complete with 5 years warranty. Makes: Syska / Philips / / Anchor / GE / Crompton / Bajaj / VIN LED / Halonix / Surya / BLU / Kripa / Fortune / MIC / Semtronics.,	EACH	1214.40	194304.000
30	60	NOS	Supply and fixing of BH/SBH in lieu of ceiling rose with 1 NO 3-5 W bulb with connections etc., complete with labour charges (Gold Medal/ Anchor / Million)	EACH	11.00	660.000
31	2	NOS	Supply and fixing of calling bell on 6"x 8" decolam block including giving connections, cost of all accessories and all labour charges etc., complete. Make: Gold Medal/ Anchor / Million	EACH	174.52	349.040

32	65	NOS	Supply, Transportation of Ceiling fan 48"(1200mm) ceiling fans with 3 blades & double ball bearings with out Regulators and all standard accessories and giving connections etc., complete. Make: Crompton / Orient.	EACH	1780.00	115700.000
33	65	NOS	Supply and fixing of modular Electronic step type fan regulator hum free step type socket size with MS box, front plate in the existing switch board (Modular Type) Make: Anchor roma / MK / Cabtree / Salzar / Legrand / Mosaic model as per Dept., Direction.	EACH	378.00	24570.000
34	65	NOS	Supply and erecting 19/20mm steel tube down rod of one meter length with bolts & nuts duly painted with matching colour of fan complete.	EACH	116.00	7540.000
35	65	NOS	Labour charges for Fixing of Ceiling fan including giving connections with twin core wire etc., complete.	EACH	130.40	8476.000
36	20	NOS	Supply,Transportation of Light duty exhaust fan 12"(300 mm) size1350 rpm with metal blades wiremesh with all accessories etc complete Makes: Crompton / Bajaj Bahar WG / Havells Ventil Air-DB / Orient hill air / MIIT.	EACH	1450.00	29000.000
37	6	NOS	Supply,Transportation of Heavy duty exhaust fan 12"(300 mm) size with all accessories such as louver shutter etc., Makes: Crompton / Almounard / Havells Turbo Force.	EACH	2700.00	16200.000
38	26	NOS	Labour charges for fixing of Exhaust fan in wall with necessary connections and masonry work of making hole, finishing etc., complete.	EACH	541.65	14082.900
39	6	Each	Supply and fixing following 415 V AC, 50 Hz, 32 A, 3P + E industrial power socket with plug in a metal enclosure including 32 A TP MCB	EACH	5653.00	33918.000
40	26	NOS	Supply and fixing of louver shutter suitable for 12" Exhaust fan including all labour charges etc complete with connections and colouring matching to the wall with enamel paint.	EACH	257.50	6695.000
41	300	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminium conductor complete Make: RPG/ POLY CAB/ Havells/Finolex/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 3.5 Core 50 Sq.mm.	ONE RM	280.00	84000.000
42	300	RM	U.G CABLES Supply of the Following PVC XLPE armoured cable 1100 V Grade with ISI mark stranded / solid, aluminium conductor complete Make: RPG/ POLY CAB/ Havells/Finolex/ Paragan / Unicab/ V-Guard/ fortune Art EBXL. 4.0 Core 16 Sq.mm.	ONE RM	140.00	42000.000
43	100	Rmt	Supply, Transportation and laying XLPE armoured under ground HT cable of size 3 Core 185.00 Sqmm 11KV grade of make Torrent / Universal / Polycab / Havells / KEI / RPG / Unicab. with ISI mark standard / Solid alluminium conductor etc., complete by making trench in all soils up to 0.90Mtr deep and filling the Sand at the bottom of trench before laying the cable and emmbedding the cable complete on sand layer and bricks placed on top of the cable width wise all over the run and back filling the excavated earth without stones and making the surface proper with 15cm crown on the top duly providng root indicators at every 8 Mtrs embeded in CC as per IS 1255 and as directed by the department including cost and conveyance of all materials and labour charges etc., complete.	ONE RM	1859.53	185953.000
44	300	RM	Earth work excavation of Trench in hard ground soil, laying of U.G cables of size up to 70 Sqmm on sand cushion covering the cable with bricks and back filling of Trench duly providing route indicator (as per general instruction S.No. 14 of SSR) embedded in C.C including cost and conveyance of materials and labour charges etc., complete.	ONE RM	144.67	43402.440

45	300	RM	Labour charges for run of U.G cable on wall / existing pipe with necessary fixing arrangements such as saddles, clamps, wooden separators etc., (as directed by departmental official) for the cables.	ONE RM	35.70	10710.000
46	20	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. 25 to 50Sq.mm	EACH	138.00	2760.000
47	15	NO	CABLE GLANDS: S&fixing of heavy duty flange type brass cable glands of following sizes for PVC armoured cables with brass washers, earth tag etc complete including all labour charges. up to 16 Sq.mm	EACH	94.00	1410.000
48	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 50Sq.mm	EACH	20.00	200.000
49	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 35Sq.mm	EACH	17.00	170.000
50	10	NO	ALUMINIUM LUGS: Supply and fixing of crimping type Aluminium lugs confirming to IS specifications for following cables including nuts and bolts with connections. 16 Sq.mm	EACH	12.00	120.000
51	8	NOS	STREET LIGHTS Supply and transportation of 150 W LED Street light Luminaire made of pressure diecast aluminium body with powder coated, having protective toughened glass, Supply Input voltage 120 - 270 V AC, P.F > 0.90, high power LED's having efficacy >120 lumines/watt, System efficacy >95lm/W and junction temperature < 70°C, with Ingress protection IP65, Luminaire performance complies to IS 10322 (Part 5 / Sec-3), Driver surge protection 4KV, external Surge protection ≥ 5KV with optics distribution , THD<10% at 110 Volts AC, driver efficiency >90%, CCT: 3000K - 5700K, minimum CRI>70, etc., complete a) LUMINAIRE MAKE : PHILIPS (GREEN LINE) / OSRAM / SCHREDER (BRIKA) / GE / VIN (STO) / CROMPTON (LEXUS+) / BAJAJ (EDGE+) / HALONIX (LUMOS - SUPER) / HAVELLS (ENDURA CITYLINER NEO) b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG / LG LEDs.	EACH	16518.00	132144.000
52	8	NOS	Fixing of LED street light luminary with 1.0 Mtr., 25mm Nominal Bore Medium grade G.I.Pipe bracket and anti tilting MS flat etc., including giving connections and labour charges etc., complete.	EACH	460.93	3687.400
54	100	RM	TV WIRING Supply and laying of RG6 co-axial cable in the existing metallic/non metallic conduit pipe with connections etc., complete for TVs and CCTV Net work. Makes: Finolex/ Million / Gold Medal / Anchor / Polycab	ONE RM	24.00	2400.000
55	3	Nos	Supply and fixing of TV outlet Modular type in existing MS/modular box with modular front cover plate with screws connections etc., complete. Makes: GM G Home / Gold Medal Olive / Million Zoom / Anchor Penta Cherry / Great white Omega	Each	233.00	699.000
56	6	NOS	WATER COOLERS Supply and fixing of water cooler fully stainless steel of capacity 60/120 to be operated on single phase supply with ISI mark. Makes Blue star / Voltas / Usha.	Each	42994.00	257964.000

57	100	RM	EPABX - TELEPHONE WIRING Supply and laying of 2 pair telephone wire 0.5mm copper in the existing metallic/non metallic conduit pipe with connections etc., complete. Makes: Finolex / Delton / Surabi / Polycab	ONE RM	17.56	1756.400
58	4	NOS	Supply and fixing of 2 Line telephone jack socket model modular type with connector front and back plate in existing modular box with screws connections etc., complete. Makes: Legrand Myrius / Cabtree Thames Platinum / Million Logus /Gold Medal Curve / GM Four Five / Anchor Roma viola / CPL / Panasonic Vision.	Each	229.32	917.280
			MAIN POWER PANEL			
59	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		282997.0	565994.000
			MAIN LIGHTING PANEL			
60	1	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		189000.0	189000.000
			SUB FLOOR POWER PANEL			
61	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		190000.0	380000.000
			Incomer : 400A Four Pole MCCB, 50 KA - Make: L&T d sine Model/Siemens/Schneider - 1 No			

62	2	NOS	Supply installation testing and commissioning of 3 phase and neutral 415V free standing floor mounted MV panel made out of No.14/16 gauge CRCA sheet steel after 7 tank process and painting with powder coating. The panel shall consists of suitable rating TPN with suitable bus bars (with rating of 0.8A/ Sqmm) supported with DMC /SMC barriers and colour coaded with heat shrinkable sleeves. The metering shall be provided as specified. The panel shall have short-circuit with standing capacities of minimum 50KA and consists of switchgear as mentioned below.The panel shall be got manufactured from the manufacturers of CPRI test certificate only. The panel shall be mounting on U channels including supply and fixing including painting with powder coating including internal connections cost and conveyance of all materials & labour charges.		260000.0	520000.000
63	6	Nos	V - FIRE EXTINGUISHERS Supply and fixing of ISI mark (IS:15683) Mono ammonium phosphate powder 90 (MAP) 6 Kg Fire extinguisher, stored pressure type, pressure gauge, gross wt. 9.4 kg, empty wt.3.4 kg, Discharge time minimum 13 sec, controllable discharge mechanism, range min. 4 mts applicable on classes A,B, C & electrically started fire, A rating - 4 A, B rating -34 B, can construction: Deep drawn and Co2 mig welding, Valve construction: Forging & Machining, internal coating of can: Epoxy powder coating, External coating of Can:Epoxy polyster powder coating, sheet metal thickness:1.60mm, Helium leak detection tested with 5 years warranty Including transportation, all taxes and all labour charges etc complete. Makes: Safex / Kenex / Bharat / Reliance. (SSR - 15-16 - 9.4.8)	EACH	6300.0	37800.000
			TOTAL			4911120