



**OFFICE OF THE REGISTRAR**  
**মহাপুৰুষ শ্ৰীমন্ত শঙ্কৰদেৱ বিশ্ববিদ্যালয়**  
**MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA**

[Recognised Under Section 2(f) of UGC Act, 1956]  
Srimanta Sankaradeva Sangha Complex, Haladhar Bhuyan Path,  
Kalongpar, Nagaon, PIN-782001, Assam, India

Ref. No.: MSSV/R/59/2015/22598

Date: 22.03.2023

**INVITATION OF QUOTATIONS**

Sealed Quotations are invited from the competent and qualified registered firm/ party for the **internal and external electrification works in connection with construction of Academic Building (Ground Floor)** of Mahapurusha Srimanta Sankaradeva Viswavidyalaya (MSSV) at Atuatika, Raidongia, Nagaon.

The sealed quotations must reach the office of the undersigned **on or before 12.00 P.M. of 29<sup>th</sup> March, 2023** and the same will be opened on 29<sup>th</sup> March, 2023 at 3.00 P.M. The quotations should accompany with a **Bank Draft of Rs. 1,000.00 (Rupees one thousand) only (non-refundable) payable to the Registrar, Mahapurusha Srimanta Sankaradeva Viswavidyalaya, Nagaon** at State Bank of India, Main Branch, Nagaon (code: 0146).

The following terms and condition must be followed by parties while submitting quotation:

1. Quotation should be submitted in plain paper.
2. Rs. 8.25 court fee stamp should be submitted with quotation.
3. The work allotted party will have to make agreement with the undersigned.
4. The work should be done as per approved drawing and as directed by the undersigned.
5. Payment shall be made on the progress of the work as mentioned in the work agreement.
6. All T & P materials should be managed by the party itself.
7. Detail information may be seen in the University website [www.mssv.ac.in](http://www.mssv.ac.in)

The undersigned reserves the right to accept or reject any quotation without assigning any reason.

(Dr. M. K. Borah)  
Registrar

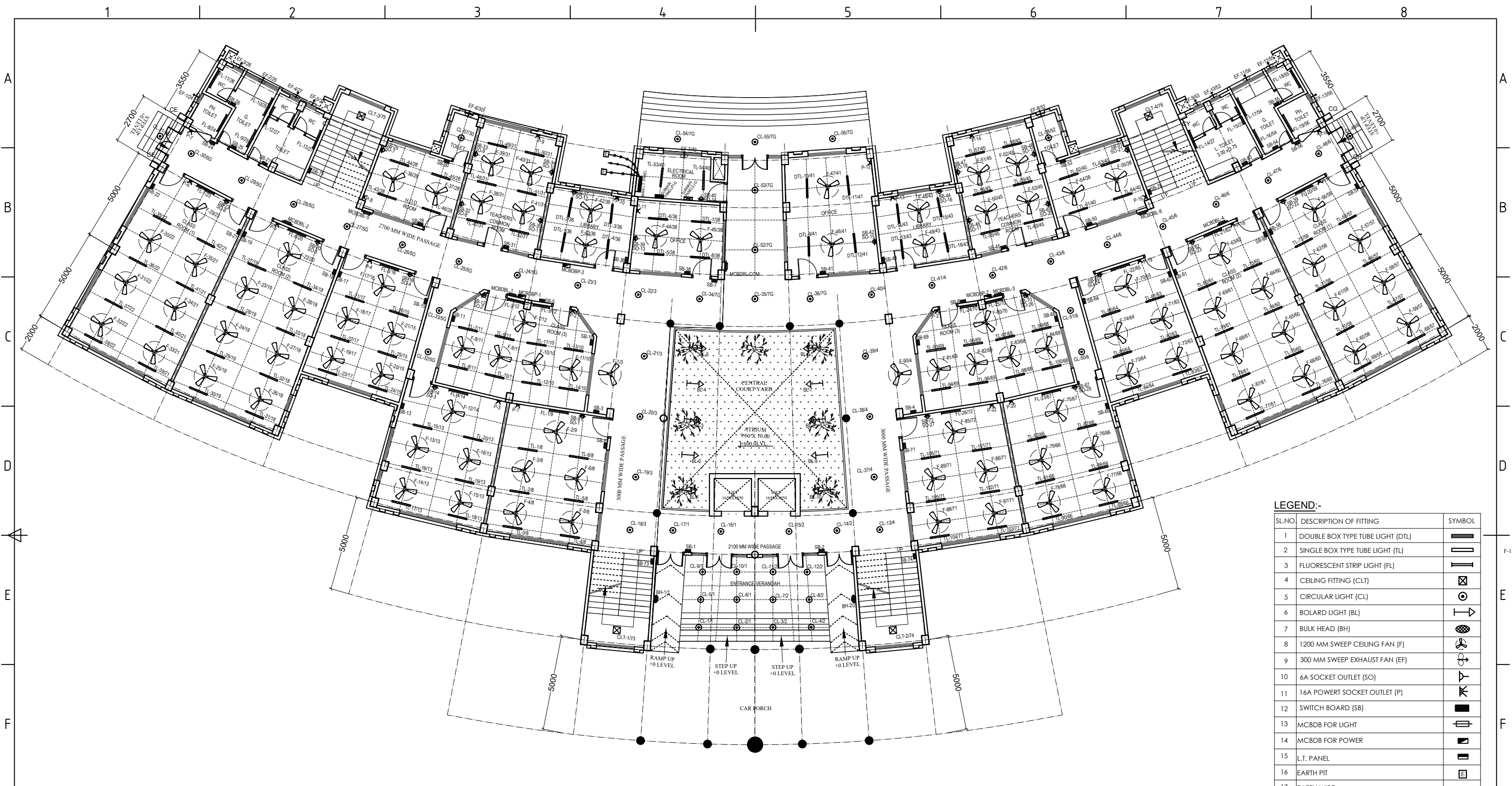
Date: 22.03.2023

Memo No: MSSV/R/59/2015/22599-605

Copy to:

1. The Secretary to the Hon'ble Vice-Chancellor.
2. The Director (Finance & Planning) cum Chief Co-ordinator for favour of information.
3. The Managing Trustee, SSESED Trust for favour of information.
4. Dr. Santanu Kalita, Asstt. Professor & Head (i/c), Deptt. of Computer Application with a request to upload the notification in the University website [www.mssv.ac.in](http://www.mssv.ac.in).
5. The Assistant Registrar (Finance) for information and necessary action.
6. The Project Engineer for information and necessary action.
7. Notice Board.
8. Office file.

(Dr. M.K. Borah)  
Registrar



# GROUND FLOOR ELECTRICAL LAYOUT PLAN

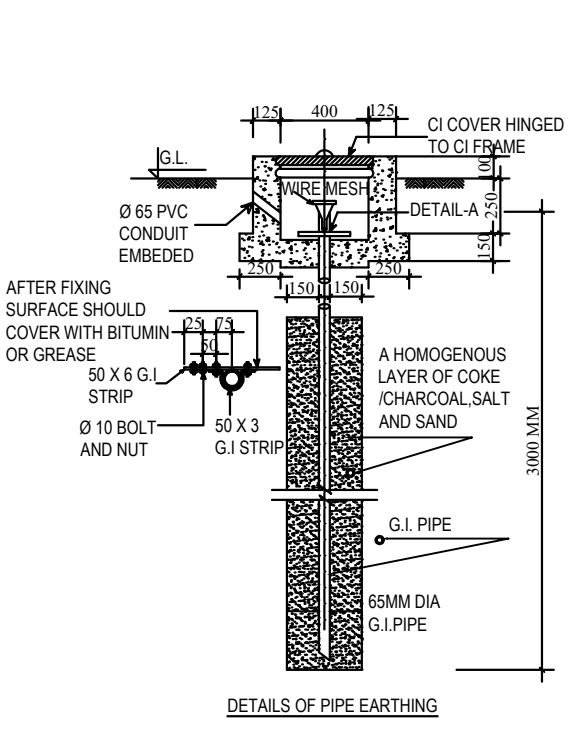
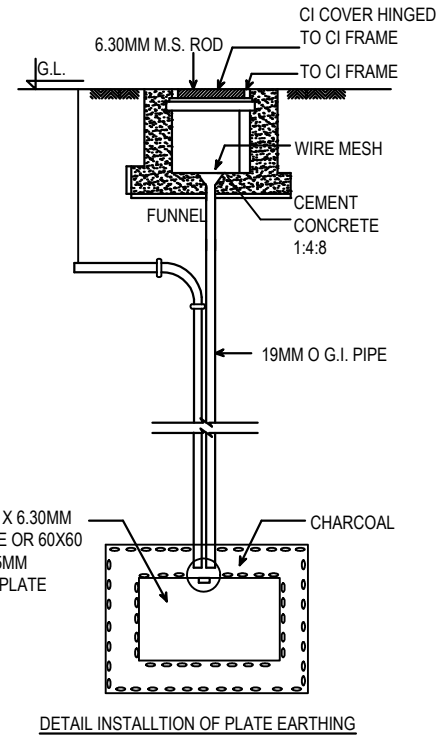
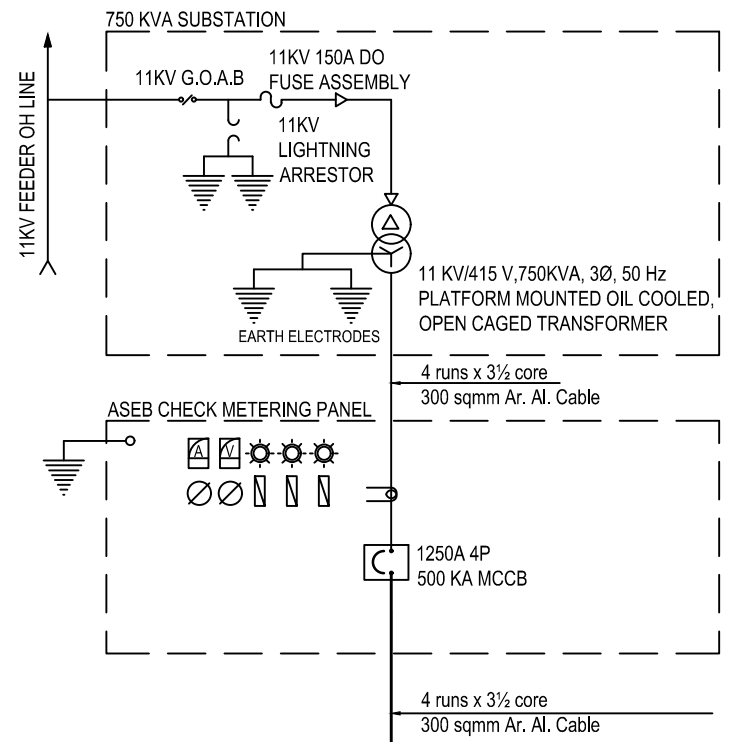
BUILT UP AREA = 1330.00 SQ.M

**LEGEND:-**

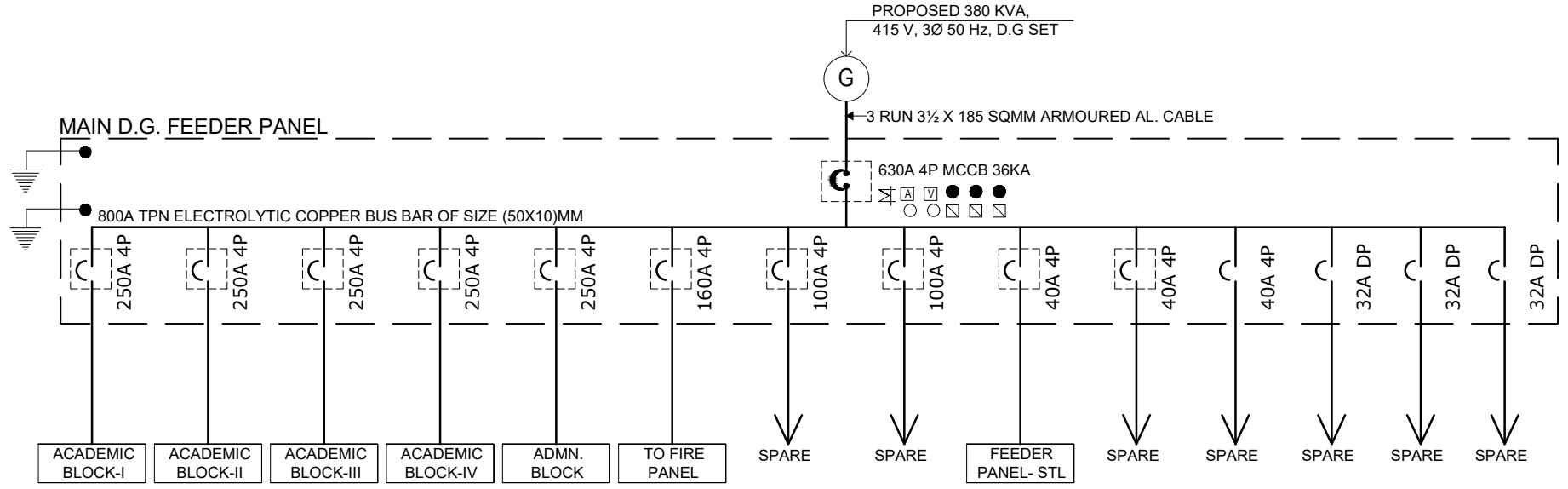
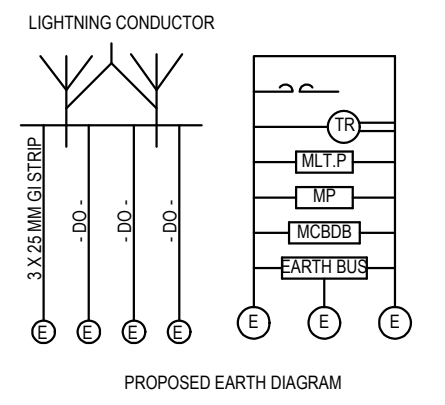
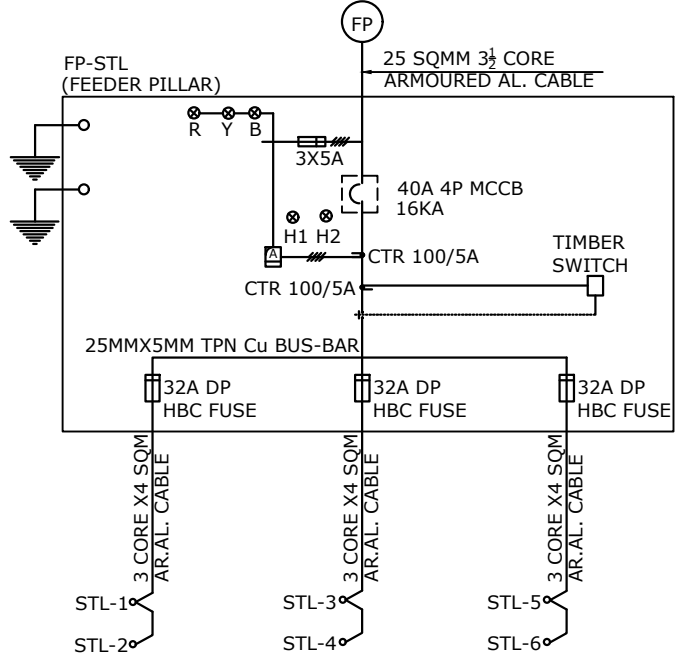
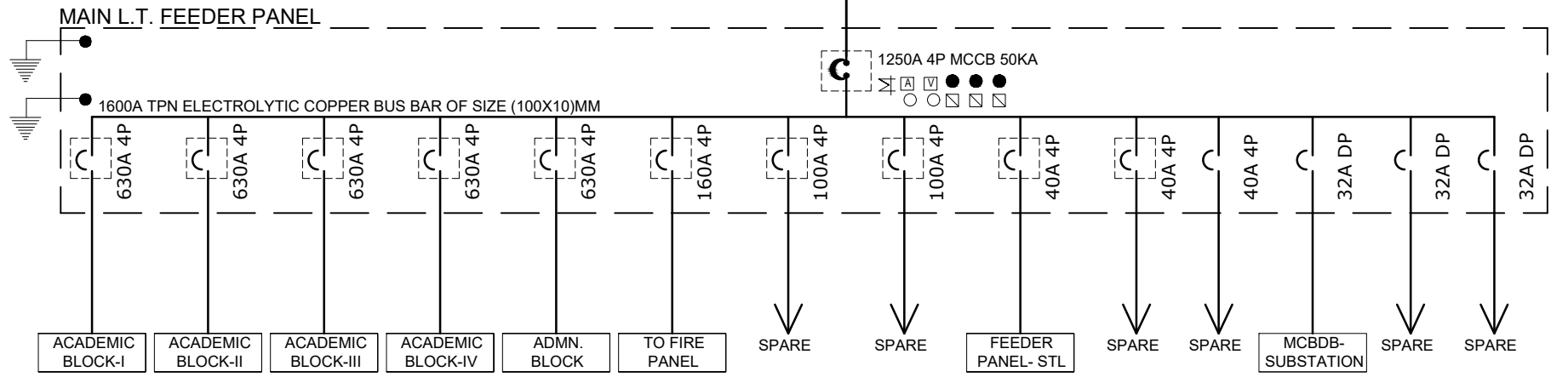
SL.NO	DESCRIPTION OF FITTING	SYMBOL
1	DOUBLE BOX TYPE TUBE LIGHT (DTL)	[Symbol]
2	SINGLE BOX TYPE TUBE LIGHT (TL)	[Symbol]
3	FLUORESCENT STRIP LIGHT (FL)	[Symbol]
4	CEILING FITTING (CLT)	[Symbol]
5	CIRCULAR LIGHT (CL)	[Symbol]
6	BOLARD LIGHT (BL)	[Symbol]
7	BULK HEAD (BH)	[Symbol]
8	1200 MM SWEEP CEILING FAN (F)	[Symbol]
9	300 MM SWEEP EXHAUST FAN (EF)	[Symbol]
10	6A SOCKET OUTLET (SO)	[Symbol]
11	16A POWER SOCKET OUTLET (P)	[Symbol]
12	SWITCH BOARD (SB)	[Symbol]
13	MCBDB FOR LIGHT	[Symbol]
14	MCBDB FOR POWER	[Symbol]
15	L.T. PANEL	[Symbol]
16	EARTH PIT	[Symbol]
17	EARTH WIRE	[Symbol]
18	PVC INSULATED AR. AL. CABLE	[Symbol]

1	24-01-2020	ISSUED FOR EXECUTION	
NO.	DATE	REVISION 1	ENGR.
PROJECT	<b>PROPOSED ACADEMIC BUILDING, PHASE-IV, BLOCK-II, OF MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA AT ATUATIKA, RAIDONGIA, NAGAON, ASSAM.</b>		
CLIENT:	<b>MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA (MSSV) AT H. B. ROAD, KALONGPAR, NAGAON, PIN-782001:ASSAM:INDIA</b>		
DRAWING CONTENT :	GROUND FLOOR ELECTRICAL LAYOUT PLAN		
JOB TITLE	ELECTRICAL DRAWING	ELECTRICAL ENGINEER: PINAHPANI CHAKRAVARTY	
ARCHITECT :	<b>INTEGRATED DESIGN FORUM</b> ARCHITECT, HRIDAI KR. NATH COUNCIL OF ARCHITECTURE REGD. NO. CA/2013/24079 15, 2ND FLOOR, ABOVE MIRA MUSICAL MART, RAJGARH MAIN RODA, CHANDMARI, GUWAHATI, ASSAM. PHONE : +91 78961 89205, +91 70024 02930 email id: hriddai_dpf@gmail.com	STRUCTURAL ENGINEER: CIVILTECH SOLUTION Tiwari Building, House No. - 4, Kacharibasti Near Dispur College, Ganeshguri 781006 PHONE : +91 9954072961	
SCALE	DRG. NO.	JOB NO.	
NTS	IDF/ED/001		

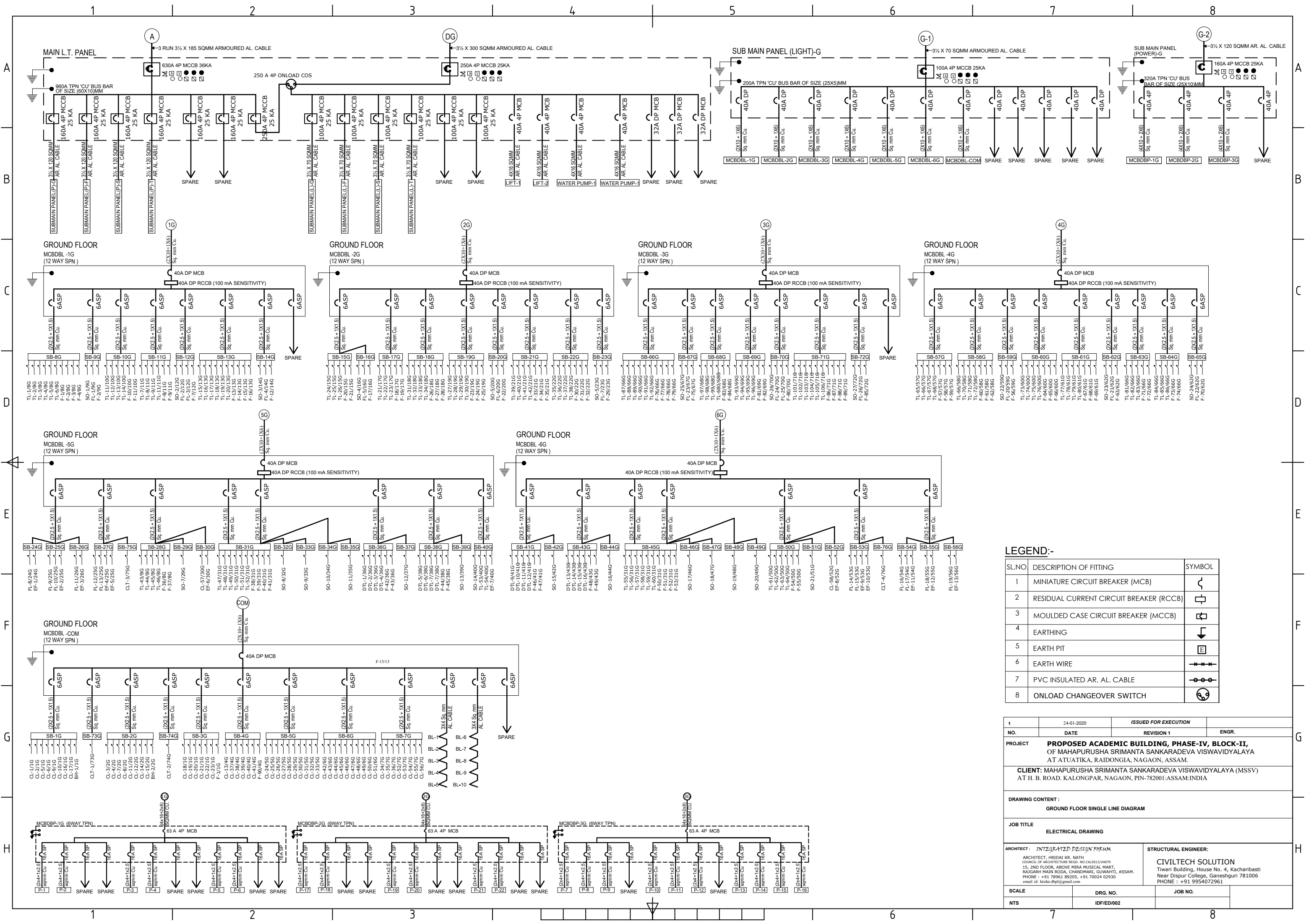
● THE DRAWING AND DESIGN IS THE PROPERTY OF THE ARCHITECT ANY COPYRIGHT VIOLATION WILL RESULT IN PROSECUTION



LEGEND	
	11 KV, GANG OPERATED AIR BREAKER (GOAB)
	11KV LIGHTNING ARRESTOR.
	11KV, DO FUSE ASSEMBLY
	11/0.415 KV, 750KVA, 50 Hz, 3Ø, OIL COOLED, ALLUMINIUM WOUND OPEN CAGED TRANSFORMER
	AMMETER
	VOLTMETER
	PHASE SELECTOR SWITCH
	INDICATING LAMPS
	SLIDING TYPE HBC FUSE UNITS
	CURRENT TRANSFORMER
	EARTH LEAD
	MINIATURE CIRCUIT BREAKER (MCB)
	MOULDED CASE CIRCUIT BREAKER (MCCB)
	L.T. PANEL / FEEDER PANEL
	EARTH WIRE
	PVC INSULATED AR. AL. CABLE
	STREET LIGHT (STL)



1	24-01-2020	ISSUED FOR EXECUTION	
NO.	DATE	REVISION 1	ENGR.
PROJECT: <b>PROPOSED ACADEMIC BUILDING, PHASE-IV, BLOCK-II, OF MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA AT ATUATIKA, RAIDONGIA, NAGAON, ASSAM.</b>			
CLIENT: MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVIDYALAYA (MSSV) AT H. B. ROAD. KALONGPAR, NAGAON, PIN-782001:ASSAM:INDIA			
DRAWING CONTENT : <b>MAIN SINGLE LINE DIAGRAM AND EARTHING DETAILS</b>			
ARCHITECT: INTEGRATED DESIGN FORUM ARCHITECT, HRIDAI KR. NATH COUNCIL OF ARCHITECTURE REGD. NO.CA/2013/24079 15, 2ND FLOOR, ABOVE MIRA MUSICAL MART, RAJGARH MAIN RODA, CHANDMARI, GUWAHTI, ASSAM. PHONE : +91 78961 89205, +91 70024 02930 email id: hridai.dbpl@gmail.com		STRUCTURAL ENGINEER: <b>CIVILTECH SOLUTION</b> Tiwari Building, House No. 4, Kacharibasti Near Dispur College, Ganeshguri 781006 PHONE : +91 9954072961	
SCALE	DRG. NO.	JOB NO.	
NTS	GIA/DIA/002		



**LEGEND:-**

SL.NO	DESCRIPTION OF FITTING	SYMBOL
1	MINIATURE CIRCUIT BREAKER (MCB)	
2	RESIDUAL CURRENT CIRCUIT BREAKER (RCCB)	
3	MOULDED CASE CIRCUIT BREAKER (MCCB)	
4	EARTHING	
5	EARTH PIT	
6	EARTH WIRE	
7	PVC INSULATED AR. AL. CABLE	
8	ONLOAD CHANGEOVER SWITCH	

1	24-01-2020	ISSUED FOR EXECUTION	
NO.	DATE	REVISION 1	ENGR.
PROJECT	<b>PROPOSED ACADEMIC BUILDING, PHASE-IV, BLOCK-II, OF MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVEDYALAYA AT ATUATIKA, RAIDONGIA, NAGAON, ASSAM.</b>		
CLIENT:	<b>MAHAPURUSHA SRIMANTA SANKARADEVA VISWAVEDYALAYA (MSSV) AT H. B. ROAD, KALONGPAR, NAGAON, PIN-782001:ASSAM:INDIA</b>		
DRAWING CONTENT :	GROUND FLOOR SINGLE LINE DIAGRAM		
JOB TITLE	ELECTRICAL DRAWING		
ARCHITECT :	<b>INTEGRATED DESIGN FORUM</b> ARCHITECT, HRIDAI KR. NATH COUNCIL OF ARCHITECTURE REG. NO. CA/2013/24079 15, 2ND FLOOR, ABOVE MERA MUSICAL MART, RAIGARH MAIN RODA, CHANDMARI, GUWAHATI, ASSAM. PHONE : +91 78961 89205, +91 70024 02930 email id: hriddai_dpf@gmail.com		<b>STRUCTURAL ENGINEER:</b>  <b>CIVILTECH SOLUTION</b> Tiwari Building, House No. - 4, Kacharibasti Near Dispur College, Ganeshguri 781006 PHONE : +91 9954072961
SCALE	DRG. NO.	JOB NO.	
NTS	IDF/ED/002		

INTERNAL ELECTRICAL WORK						
L. No.	Item No.	Description	Qty.	Unit	Rate	Total
		<b>WIRING IN STEEL AND PVC CONDUIT</b>				
1	1.1	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 steel conduit, with piano type switch, phenolic laminated sheet, suitable size MS box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	1.1.1	Group A	65	Point	₹ 821.00	₹ 53,365.00
	1.1.2	Group B	71	Point	₹ 937.00	₹ 66,527.00
	1.1.3	Group C	135	Point	₹ 1,189.00	₹ 160,515.00
2	1.7	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.				
	1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	0	Metre	₹ 208.00	₹ 0.00

	1.7.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	2789	Metre	₹ 229.00	₹ 638,681.00
	1.7.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1856	Metre	₹ 363.00	₹ 673,728.00
3	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	55	Each	₹ 401.00	₹ 22,055.00
4	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	38	Each	₹ 495.00	₹ 18,810.00
5	2.5	2.5 Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
	2.5.1	4 way (4 + 12), Double door	2	Each	₹ 5,651.00	₹ 11,302.00
	2.5.2	8 way (4 + 24), Double door	2	Each	₹ 7,744.00	₹ 15,488.00
	2.5.3	12 way (4 + 36), Double door	4	Each	₹ 9,828.00	₹ 39,312.00
6	2.1	2.10 Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "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.				
	2.10.1	Single pole	105	Each	₹ 199.00	₹ 20,895.00
	2.10.2	Double pole	5	Each	₹ 544.00	₹ 2,720.00

7	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.14.2	40 A	8	Each	₹ 2,626.00	₹ 21,008.00
	2.14.3	63 A	8	Each	₹ 2,640.00	₹ 21,120.00
8	1.14	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.				
	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	85	Metre	₹ 543.00	₹ 46,155.00
	1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	85	Metre	₹ 752.00	₹ 63,920.00
9	6.2	6.2 Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	120	Each	₹ 448.00	₹ 53,760.00
10	NON DSR	Supply, Installation, Testing and Commissioning of 1200 mm sweep Ceiling Fans with connection of make Orient Model SUMMERKING (XI Aluminium Blades) or equivalent	89	Each	₹ 2,450.00	₹ 218,050.00
11	NON DSR	Supply, Installation, Testing and Commissioning of 300mm sweep Exhaust Fans with connection from existing 6A socket outlet (rate for socket and connection to the socket to be taken separately) of make Orient Model 300 mm Spring Air or equivalent.	10	Each	₹ 1,850.00	₹ 18,500.00
12	NON DSR	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
	NON DSR	1 or 2 Module (75mmX75mm)	30	Each	₹ 201.00	₹ 6,030.00
	NON DSR	3 Module (100mmX75mm)	5	Each	₹ 245.00	₹ 1,225.00
	NON DSR	6 Module (200mmX75mm)	8	Each	₹ 256.00	₹ 2,048.00

	NON DSR	8 Module (200mmX75mm)	20	Each	₹ 356.00	₹ 7,120.00
	NON DSR	12 Module (200mmX75mm)	15	Each	₹ 456.00	₹ 6,840.00
	NON DSR	20 W LED DOWN LIGHT	52	Each	₹ 856.00	₹ 44,512.00
	NON DSR	BOLARD	10	Each	₹ 8,750.00	₹ 87,500.00
<b>TOTAL (INTERNAL ELECTRIFICATION) (D)=</b>						<b>₹ 2,321,186.00</b>

Sl.	Item No.	Description	Qty.	Unit	Rate	Total
1		Supplying and making outdoor end termination with cast resin compound including aluminium lugs and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	9.2.28	3½ X 400 sq. mm	85	Metre	₹ 3,362.00	₹ 285,770.00
	9.2.11	3 X 120 sq. mm	45	Metre	₹ 1,694.00	₹ 76,230.00
		<b>MAIN LT PANEL- ACADEMIC CUM ADMN. BUILDING</b>				
2	NON DSR	Supplying and installation of metal enclosed wall/floor mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS: 8623 (Part I & II). Panel should be made of sheet steel and thickness not less than 2mm and structural steel having light section. The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and anti condensation type two coats of primer and two coats of paint. All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size. The panel should have provision of entry of cable at the bottom and also provision of out going feeders from the bottom of the panel. The panel shall be incorporated with double busbar system. The bus bar shall be of high quality copper of uniform cross section. The panel shall consist of the following items (viz. Voltmeter, Ammeter, CT, indicating lamps, selector switch etc.) connected as per drawing and shall be flush mounted on the front of the panel.	1	SET	₹ 598,500.00	₹ 598,500.00
		Incommer:				



1	630A 4P MCCB, 36 KA Electronic Release - 1 No. [SET AT 80%]				
2	250A 4P MCCB, 36 KA Electronic Release - 2 Nos.				
3	250 A, 4P, on-load Changeover switch - 1 No.				
4	Digital Ammeter - 2 Nos.				
5	Digital Voltmeter - 2 Nos.				
6	CT 250/5 & CT 630/5 -2 Sets.				
7	Switch Fuse Unit - 6 Nos				
8	Selector Switch - 4 Nos				
9	LED Indicating Lamp 2 Sets				
10	<b>Bus-Bars: 1280 A TPN</b> electrolytic Copper Bus Bar of uniform cross-section (80mmx10mm) - 1 set				
11	<b>Bus-Bars: 480 A TPN</b> electrolytic Copper Bus Bar of uniform cross-section (30mmx10mm) - 1 set				
	<b>Outgoing:</b>				
1	160 A 4P MCCB 25 KA - 6 Nos.				
2	100 A 4P MCCB 25 KA - 6 Nos.				
3	40A 4P MCB -6 Nos.				
4	32A DP MCB - 3 Nos				
	<b>SUBMAIN LT PANEL [ LIGHT ]-G ( GROUND FLOOR )</b>				

3	NON DSR	Supplying and installation of metal enclosed wall/floor mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS: 8623 (Part I & II). Panel should be made of sheet steel and thickness not less than 2mm and structural steel having light section. The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and anti condensation type two coats of primer and two coats of paint. All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size. The panel should have provision of entry of cable at the bottom and also provision of out going feeders from the bottom of the panel. The panel shall be incorporated with double busbar system. The bus bar shall be of high quality copper of uniform cross section. The panel shall consist of the following items (viz. Voltmeter, Ammeter, CT, indicating lamps, selector switch etc.) connected as per drawing and shall be flush mounted on the front of the panel.	1	SET	₹ 986,500.00	₹ 986,500.00
		<b>Incommer:</b>				
	1	100 A 4P MCCB 25 KA – 8 Nos.				
	2	Digital Ammeter - 1 No.				
	3	Digital Voltmeter - 1 No.				
	4	CT 100/5 & -2 Sets.				
	5	Switch Fuse Unit - 3 Nos				
	6	Selector Switch - 2 Nos				
	7	LED Indicating Lamp 1 Set				
		<b>Bus-Bars:</b> 200 A TPN electrolytic Copper Bus Bar of uniform cross-section (25mmx5mm) – 1 set				
		<b>Outgoing:</b>				
	1	40A DP MCB - 12 Nos				
		<b>SUBMAIN LT PANEL [ POWER ]-G ( GROUND FLOOR )</b>				

4	NON DSR	Supplying and installation of metal enclosed wall/floor mounted front operated cubical type switch gear panel suitable for indoor installation conforming to IS: 8623 (Part I & II). Panel should be made of sheet steel and thickness not less than 2mm and structural steel having light section. The panel shall be completely dust tight and vermin proof and shall be painted with anti corrosive and anti condensation type two coats of primer and two coats of paint. All wiring shall be PVC insulated and PVC sheathed of 1100 volt grade of required size. The panel should have provision of entry of cable at the bottom and also provision of out going feeders from the bottom of the panel. The panel shall be incorporated with double busbar system. The bus bar shall be of high quality copper of uniform cross section. The panel shall consist of the following items (viz. Voltmeter, Ammeter, CT, indicating lamps, selector switch etc.) connected as per drawing and shall be flush mounted on the front of the panel.	1	SET	₹ 135,460.00	₹ 135,460.00
		<b>Incommer:</b>				
	1	160A 4P MCCB, 36 KA Electronic Release - 2 No.				
	2	Digital Ammeter - 1 No.				
	3	Digital Voltmeter - 1 No.				
	4	CT 100/5 & -8 Sets.				
	5	CT 400/5 -2 Sets.				
	6	Switch Fuse Unit - 3 Nos				
	7	Selector Switch - 2 Nos				
	8	LED Indicating Lamp 2 Sets				
	9	<b>Bus-Bars: 320 A TPN electrolytic Copper Bus Bar of uniform cross-section (400mmx5mm) - 1 set</b>				
		<b>Outgoing:</b>				
	1	40A 4P MCB -4 Nos.				
		<b>E A R T H I N G</b>				
5	5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 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.	8	SET	₹ 6,216.00	₹ 49,728.00

6	5.9	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	856	Metre	₹ 313.00	₹ 267,928.00
7	5.5	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. (but without charcoal/ coke and salt ) as required.	4	SET	₹ 10,714.00	₹ 42,856.00
8	5.8	Supplying and laying 25 mm X 5 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)	115	Metre	₹ 853.00	₹ 98,095.00
<b>TOTAL (EXTERNAL ELECTRICATION) (E)=</b>						<b>₹ 2,541,067.00</b>