PRICE	BID OF ELECTRICAL WORKS AT PROPOSED STATE BANK OF IN	DIA BRA	NCH AT	SEC-26,	CHANDIGARH.
S.NO.	ITEM /SPECIFICATION	QTY	UNITS	RATE	AMOUNT
PART-I	: COMPUTER POINTS & DISTRIBUTION				
1	Supply all material, storing, handling, fixing of computer points computer points in suitable size of GI box including providing 3 nos 5 amps 3 pin modular sockets to be provided under table top and controlled by 1 no 15 A moduler type switch, indicator (to be provided above the table top in partition) with moduler cover plate etc complete as required including 3X2.5 sq. mm copper armored cable <b>Note: Maximum two computer points are to be provided on one circuit. (Switches : Make: Anchor/Crabtree/North-West/MK</b>	22.00	each		
2	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing modular type 02 NO 6 pin 15/16 Amp.socket 01 no 15/16 Amp modular switch and indicator modular switch, connections etc. as requiredfor printer and <b>BMcabin./ATM</b>	8.00	each		
	Supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited powder coated sheet fabricated comprising of incoming and outgoing isolator & MCBs neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below. Make: Havells/HPL/Standard/ Hager/ Legrand/L&T				
a)	8 way SPN MCBDB Double Door comprising of 1 No 63 Amp DP Isolator and 6 No SPMCB 10/16 Amp. (UPS output)	2.00	no.		
D)	6 way SPN MCBDB comprising of 1 No 63 Amp DP Isolator and 4 No SPMCB 10/16 Amp.	1.00	No		
c)	4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A FP TPN and 6 Nos.32 A DPMCBS etc complete as required.	2.00	no.		
d)	4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no <b>63AMP ELCB</b> <b>30 ma</b> and 12 Nos. 6/10 Amp SPMCBS etc complete as required. (for Light, Fan point.Raw power points).	2.00	no.		
4	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity:				
a)	20 Amp with 20 Amp. C Curve SP MCB. (for 1 TR & 1.5 TR AC's )Make: Havells/HPL/Standard/ Hager/Legrand/L&T	3.00	no.		
b)	30 Amps. with 32 Amp. DP MCB for ACS ( 2 TR AC's )	9.00	no.		
	Providing and fixing of suitable size MS box fabricated with 16 G MS sheet either in recess wall or on surface to accommodate dedicated earth from earth electrode and further distribution of earth to computer points including providing of 5 mm bakelite on base connector strip and painting of box etc as required.	1.00	job		
0	Wiring of light points, plug points & power points Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5				
	sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with 6Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.(Make: Havells/ RR Kable / KEI/Finolex)				
	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor, single core cable in PVC conduit for circuit/sub main wiring along with earth wire )				
a)	6 Amp Switch controlling 1 light point	40.00	no.		
b)	6 Amp Switch controlling 4 no. downlights or 2 no. 2'- 0"x 2'-0" 36 watt light fitting	30.00	no.		
	Primary Wall fan / celing fan/exhaust / tubelight point controlled by 5 AMP socket controlled by 5amp switch	30.00	no.		

d) Rave power point 15 AMP socket controlled by 15amp switch         10.00         no.           Note: Lipp points to be calculated my numbers of lights and no extra cost shall be paid for dummy switch.)         interval that and the paid of the calculated my numbers of lights and no extra cost shall be paid for dummy switch.)           7 on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required as required to the paid of	d)	Paw power point 15 AMP cooket controlled by 15 pmp switch	10.00	20	1	
extra cost shall be paid for dummy switch.)         100         job           Providing and fixing of 00 a 200 Anpsk KTAKT with 1 no neutral link.         1.00         job           on suitable size of Bakelite sheat of thickness not less than 12 mm         1.00         job           Complete as required.         1.00         job           PART-II : PANELS & CABLES         1.00         job           Supply at site installation testing and commissioning of panel fault casted with 16 G MS sheet. The panel shall bree standing type totally enclosed dust and vermin proci construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber cable alleys         interconnection with solid bar/PVC insulated copper conductor as per requirement, and sublabe supports of busbars. The panel shall be painted with two coats of ename paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:           In to MCOB Breaking Capacity 36 KA 250 Amp 4P, Model-DU250         Strike, L3T make         1           1 no 0.500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Ns ) with CT Ratio 250/S A with LED type phase Indicating Capacity 10 KA 100 Amp 3P and 1 nos         1.00           2 nos NCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00         set           VOTGONG         2 nos NCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00         set           VCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos <th>a)</th> <th></th> <th>10.00</th> <th>110.</th> <th></th> <th></th>	a)		10.00	110.		
Providing and fixing of 03 no 200 Amps KITKAT with 1 no neutral link       1.00       job         7 on suitable size of Baketile sheet of thickness not less than 12 mm       0.00       job         PART-I: PARELS & CABLES       0       0         Supply at site installation testing and commissioning of panel tabricated with 16 G MS sheet. The panel shall be free standing type table with 16 G MS sheet. The panel shall be the standing type table with 16 G MS of barPVC insultated copper conductor as per requirement, and suitable supports of busbars. The panel shall be per sheet with two casts of enamel pair (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1       1       0       5000 Vigital Voltmeter in separate compartment and digital Amp meter and one set of CT (3 Ms to 10 KT (4 Grey shade) 005 K with LED type phase Indication Lamps with protection fuses in a separate compartment.       100       set         OUTGOING       1       1       0       Set of CT (3 Ms to 3 M t		•••				
7       on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required         9ART-I: PANELS & CABLES       Image: Cable State installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with nubber gaskets. The floor mouning panel shall have ISMC mounting channels. GI earth buskets. Tubes floor obsets. The panel shall be pained with wore casts of ename panel to buskars. The panel shall be pained with the comparison of huber cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and subtale supports of buskars. The panel shall be pained with two costs of ename paint (Grey shade) over primar and shall also be provided with designation of incoming and outgoing feeder as details below:         1       InCOMINE         1       no MCCB Breaking Capacity 36 KA 250 Amp 4P, Model-DU250         2       Camber and one set of Ts (3 Nos) with CT Ratio 2505 A with LED type phase Indication Lamps with protection huses in a separate compartment.         300 Amps capacity 1 strips Aluminium bus bars.       DUTCOMINE         2       Durs Choice         3       Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be tree standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be rese standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have clisuber towere chamber, cabie a						
complete as required         PART-I: PANELS & CABLES           PART-I: SALES         PART-I: SALES           Supply at site installation testing and commissioning of panel labricated with 16 GNS sheet. The panel shall be treated standing type gastats. The floor mounting panel shall be treated. Comuning channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and sutable supports of busbars. The panel shall be panited with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leeder as details below.           INCOMING         1         no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Image: Complete as mediated with the segment of the			1.00	job		
PART-II: PANELS & CARLES         Image: Control of the standing type           Supply at site installation resting and commissioning of panel planicated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin prof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels. GI earth bubbar, bubbar chamber cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and shall also be provided with designation of Incoming and outgoing feeder as details below:           INCOMING         In NCOMING           1 no 0-500V digital Voltmeter in separate compartment and digital Anp meter and one set of CTs (3 Nos) with CT Rato 250/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment.           300 Amps capacity 3 thips Aluminum bus bars.         OUTGOING           2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos.         1.00           Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be tree standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be tree standing type totally enclosed dust table support to bushars. The panel shall be free standing type totally enclosed dust table support to substar. The panel shall be free standing type totally enclosed dust tables table support to bushars. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets.	7					
Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be restanding type qaskets. The floor mounting panel shall have ISMC mounting channels. GL earth busbar, busbar chamber ,cable alleys interconnection with suble bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be pained with two coasts of enamel panil (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:           INCOMING         1 no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250		complete as required				
fabricated with 16 G MS sheet. The panel shall be free standing type trailing enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels. GI earth busbar, busbar chamber cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and subable supports with C Rate 250/5 A with LED type phase Indication Lamps with protection fuses in a separate compariment and digital Amp meter and one set of CTs (3 Nos ) with CT Rate 250/5 A with LED type phase Indication 1 for Amp 3P and 1 nos         300 Amps capacity 4 strips Aluminium bus bars.       Image: Capacity 10 KA 100 Amp 3P and 1 nos         300 Amps capacity 10 KA 100 Amp 3P and 1 nos       Image: Capacity 10 KA 100 Amp 3P and 1 nos         Burpt capacity at the panel shall be previded with designation of Incoming of panel flatincated with 6 G MS sheet. The panel shall be panel flatincated with 6 G MS sheet. The panel shall be panel flatincated with 6 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have BMC mounting channels, GI earth busbar, busbar chamber, cable alleys interconductor as per requirement, and suitable supports of busbars. The panel shall be panel shall be panel with GCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Share Shar	PART-I	I : PANELS & CABLES				
totally enclosed dust and vermin proof construction with rubber gaskets. The floar mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In on CCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Sories, L&T make.       In on CCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         300 Amps capacity 4 strips Aluminium bus bars.       In on COTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos       1.00         Set Exercise and and vermin proof construction with rubber gaskets. The floar example and vermin proof construction with rubber gaskets. The floar example and vermin proof construction with rubber gaskets. The floar enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader as details below:         9       interconnection with subber subbars. The panel shall be paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leader as details below:         10       Into MCCB Breaking Capacity 10 KA 100 Amp		Supply at site installation testing and commissioning of panel				
totally enclosed dust and vermin proof construction with rubber gaskets. The floar mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In on CCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Sories, L&T make.       In on CCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         300 Amps capacity 4 strips Aluminium bus bars.       In on COTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos       1.00         Set Exercise and and vermin proof construction with rubber gaskets. The floar example and vermin proof construction with rubber gaskets. The floar example and vermin proof construction with rubber gaskets. The floar enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader ad shall also be provided with designation of Incoming and outgoing leader as details below:         9       interconnection with subber subbars. The panel shall be paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leader as details below:         10       Into MCCB Breaking Capacity 10 KA 100 Amp						
gaskets. The floor mounting panel shall have ISMC mounting interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two costs of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In on MCCB Breaking Capacity 36 KA 250 Amp 4P, Model-DU250         Stretes, LAT make       Series, LAT make         300 Amps capacity 4 strips Aluminium bus bars.       In on 0.500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 1 No 0.500V digital Voltmeter) also be provided with protection fuses in a separate compartment.         300 Amps capacity 4 strips Aluminium bus bars.       Image: Compartment and comparison of the provided with 0.500V digital Voltmeter and paint of the provided with 0.500V digital voltmeter and one set of CTs ( 1 No 0.400 Amp 3P and 1 nos.         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos.       1.00         Supply at site installation testing and commissioning of panel faibricated with 16 G MS sheet. The panel shall be tree standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be painted with the coust of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing fedeer as details below:         9       interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall he painted with two coast of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incorning and outgoing fedeer as details below						
channels, GI earth busbar, busbar chamber ,cable alleys         8       interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coals of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing teeder as details below:         INCOMING       In on MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Series, L&T make       Series, LAT make         1 no 0.500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 250/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment.         300 Amps capacity 4 strips Aluminium bus bars.       Image: Capacity 4 strips Aluminium bus bars.         0UTGOING       1.00       set         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos set         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with tubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chabber, cable alleys in interconnection with solid bar/PVC insulated copper conductor as per requirement, and shall also be provided with designation of Incoming and outgoing leder as details below:         1 no CCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250       Series, LAT make.         200 Amps capacity 4						
8         interconnection with solid bar/PVC insulated copper conductor as per regularement, and subtable supports of busbars. The panel shall be painted with two costs of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing leeder as details below.           INCOMING         In on MCCB Breaking Capacity 36 KA 250 Amp 4P, Model-DU250         Series, LAT make.           1 no 0.500V digital Voltmeter in separate compartment and digital Arm meter and one set of CTs ( 1 No s) with CT Ratio 250/6 A with LED type phase Indication Lamps with protection fuses in a separate compartment 300 Amps capacity 4 strips Aluminium bus bars.         Image: Compartment and solid bar and the support of busbars.           QUIGONO         2 noss MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos that the set installation tosting and commissioning of panel shall bere standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall bare ISMC mounting channels, GI earth busbar, busbar chamber, cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and subable supports of busbars. The panel shall be the provided with designation of Incoming and outgoing leder as details below:           INCOMING         1 no 3.000 (Gigui Voltmeter in separate compartment and digital Arm meter and one stored or the separate compartment and digital Arm meter and nest of CTs ( 3 Nos) with CT Ratio 2005 A with LED type phase Indication Lamps with protection fuses in a separate compartment and store are of CTs ( 3 Nos) with CT Ratio 2005 A with LED type phase Indication Lamps with protection fuse						
per requirement, and suitable supports of busbars. The panel shall be painted with works outs of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:           In COMING         In COCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250           1 no CCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         String, LAT make           1 no CCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         String, LAT make           300 Amps capacity 4 strips Aluminium bus bars.         String, LAT make           OUTGOING         Incompartment         100           2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00           MCCB Inseaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00           MCCB Inseaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00           MCCB Inseaking Capacity 10 KA 100 Amp 3P and 1 nos         1.00           Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall be ree standing type totally enclosed dust and vermin proof construction as per requirement, and suitable supports of busbars. The panel shall be painter with two couls of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         IncoMing           In no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Sinte, LAT make.         Stripp Aluminium bus bars. <th>0</th> <th></th> <th></th> <th></th> <th></th> <th></th>	0					
be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         Incomposition           INCOMING         1 no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250 Series, LAT make         Incomposition           1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos) with CT Ratio 250/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         1.00           300 Amps capacity 4 strips Aluminium bus bars.         Image: Compartment         1.00           2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 100 Amp 3P with seprate neutral Link, DU Series, LAT make.         set           Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type tobricated with 16 G MS sheet. The panel shall be free standing type tobrication with solid barPVC insulated copper conductor as per requirement, and subable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:           IncoMING         IncoCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make.         Set           1 no 0-GOV digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         Set           200 Amps capacity 4 strips Aluminium bus bars. <td< th=""><th>0</th><th></th><th></th><th></th><th></th><th></th></td<>	0					
and shall also be provided with designation of Incoming and outgoing       Image: Comparison of Compar						
Incoming       Incoming         Incoming       Income in the intervention of the intervent of the interventin of the intervention o						
Incoming         Incoming           1 no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250 Series, L&T make						
1 no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Series, L&T make         1 no 0 -500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs (3 Nos ) with CT Ratio 250/5 A with         LED type phase Indication Lamps with protection fuses in a separate compartment         300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         Supply at site installation testing and commissioning of panel fabricated with 16 GM Sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two cost of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1 no 0-500V digital Voltmeter in separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 Strips Aluminium bus bars. </th <th></th> <th>feeder as details below:</th> <th></th> <th></th> <th></th> <th></th>		feeder as details below:				
1 no MCCB Breaking Capacity 36 KA 250 Amp 4P , Model-DU250         Series, L&T make         1 no 0 -500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs (3 Nos ) with CT Ratio 250/5 A with         LED type phase Indication Lamps with protection fuses in a separate compartment         300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         Supply at site installation testing and commissioning of panel fabricated with 16 GM Sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two cost of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1 no 0-500V digital Voltmeter in separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment and digital Amp meter and ons set of CTs (3 Nos ) with CT Ratio 200/6 with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 Strips Aluminium bus bars. </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
Series, L&T make       1         1       no 0-500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs (3 Nos) with CT Ratio 250/5 A with         LED type phase Indication Lamps with protection fuses in a separate compartment         300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         UD Series, L&T make.         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber , cable alleys         9       interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be panied with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         In co MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250         Series, L&T make.         1 no 0.500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs (3 Nos) with CT Ratio 200/S A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.       OUTGOING         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 K						
1 no 0 -500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs (3 Nos) with CT Ratio 250/5 A with         LED type phase Indication Lamps with protection fuses in a separate         compartment         300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos         MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral         Link, DU Series, L&T make.         Supply at site installation testing and commissioning of panel         tabricated with 16 G MS sheet. The panel shall be free standing type         totally enclosed dust and vermin proof construction with rubber         gaskets. The floor mounting panel shall have ISMC mounting         channels, GI earth busbar, busbar chamber cable alleys         interconnection with soild bair/PVC insulated copper conductor as         per requirement, and suitable supports of busbars. The panel shall         be painted with two coats of enamel paint ( Grey shade) over primer         and shall also be provided with designation of Incoming and outgoing         feeder as details below:         INCOMING         1 no 0-500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs (3 Nos ) with CT Ratio 200/5 A with         LED type phase Indication Lamps with protection fuses in a separate         compathme						
Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 250/5 Å with LED type phase Indication Lamps with protection fuses in a separate compartment       300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING       100         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral Link, DU Series, LST make.       1.00         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber, cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incorning and outgoing feeder as details below.         In no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make.       100         1 no 0 450W digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment       1.00         200 Amps capacity 4 strips Aluminium bus bars.       1.00       set         0UTGOING       1.00       set         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         0UTGOING       1.00       set		Series, L&T make				
Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 250/5 Å with LED type phase Indication Lamps with protection fuses in a separate compartment       300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING       100         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral Link, DU Series, LST make.       1.00         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber, cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incorning and outgoing feeder as details below.         In no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make.       100         1 no 0 450W digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment       1.00         200 Amps capacity 4 strips Aluminium bus bars.       1.00       set         0UTGOING       1.00       set         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         0UTGOING       1.00       set	ſ					
LED type phase Indication Lamps with protection fuses in a separate compartment       300 Amps capacity 4 strips Aluminium bus bars.         OUTGOING       Image: capacity 10 KA 100 Amp 3P and 1 nos       1.00         2 nos MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral Link, DU Series, L&T make.       Image: capacity 10 KA 160 Amp 3P with seprate neutral commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel panit (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         In co MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make       Image: Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make         200 Amps capacity 4 strips Aluminium bus bars.       COUTGOING       Image: Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 100 Amp	l					
compartment       300 Amps capacity 4 strips Aluminium bus bars.         OUTCGING						
300 Amps capacity 4 strips Aluminium bus bars.       Image: Construction of the strip of the st						
OUTGOING         2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral Link, DU Series, L&T make.         1.00         set           Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:           IncoMING         1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make            1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTS ( 3 Nos ) with CT Ratio 2005 A with LED type phase Indication Lamps with protection fuses in a separate compartment         1.00         set           200 Amps capacity 4 strips Aluminium bus bars.         0UTGOING         1.00         set           3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.         1.00         set           10         foot/recess wall including cutting of values / stades or laid in foot/recess wall including cutting of values / stades or laid in foot/recess wall including cutting of wall /floor and making god the damages etc complete as required of following sizes (ISI marked).         40.00						
2 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 1 nos MCCB Breaking Capacity 10 KA 160 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1 no MCCB Breaking Capacity 36 KA 160 Amp 4P, Model-DU250         Series, L&T make.       1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/S A with LED type phase Indication Lamps with protection fuses in a separate compartment       1.00         200 Amps capacity 4 strips Aluminium bus bars.       1.00       set         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         3 nos MCCB Breaking capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         3 nos MCCB Breaking capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set       1.00       set       1.00 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
MCCB Breaking Capacity 10 KÅ 160 Amp 3P with seprate neutral Link, DU Series, L&T make.       Image: Comparison of the set of			1.00	oot		
Link, DU Series, L&T make.         Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber , cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250         Series, L&T make       1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.       0UTGOING         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS :1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in cable armoured cable of following sizes (ISI marked).         (Make: Havells/ RR Kable / KEI/Finolex/Pymen)       40.00       mtr.         a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00       mtr.			1.00	sei		
Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with tubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber , cable alleys         9       interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In on MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make         1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.       Inco         OUTCOING       1.00         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEl/Finolex/Pymen)       mtr.         a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr. <th></th> <th>• • • • • •</th> <th></th> <th></th> <th></th> <th></th>		• • • • • •				
fabricated with 16 G MS sheet. The panel shall be free standing type totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make       200         1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment       1.00         200 Amps capacity 4 strips Aluminium bus bars.       200         3 nos MCCB Breaking Capacity 10 KA 63 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00         10       foor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEl/Finolex/Pymen)       40.00       mtr.         a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.						
totally enclosed dust and vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:INCOMINGImage: Comparison of the panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:INCOMINGImage: Comparison of Incoming and outgoing feeder as details below:In to MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T makeImage: Comparison of CTS ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment200 Amps capacity 4 strips Aluminium bus bars.Image: Comparison of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps / saddles or laid in floor/recess wall including cutting of wall /floor and making god the damages et: complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEl/Finolex/Pymen)a)3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire40.00mtr.						
gaskets. The floor mounting panel shall have ISMC mounting channels, GI earth busbar, busbar chamber , cable alleys       gaskets. The floor mounting bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In NCCB Breaking Capacity 36 KA 160 Amp 4P, Model-DU250 Series, L&T make       In 0 MCCB Breaking Capacity 36 KA 160 Amp 4P, Model-DU250 Series, L&T make         1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTS (3 Nos) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment       200 Amps capacity 4 strips Aluminium bus bars.         OUTCOING       3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00 set         Supply, Installation, testing & commissioning of PVC insulated PVC sheatthed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of calmps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages et complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)         a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00 mtr.						
g       channels, GI earth busbar, busbar chamber ,cable alleys interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In NCOMING         1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make       Ino 0 - 500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.       Image: Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS; 1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages et complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)         a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00       mtr.		•				
9       interconnection with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In oMCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make         1 no 0-500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.       Image: Comparison of the separate neutral Link, DU Series, L&T make.         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00         supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked).         a)       3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00       mtr.		gaskets. The floor mounting panel shall have ISMC mounting				
per requirement, and suitable supports of busbars. The panel shall       be painted with two coats of enamel paint (Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:         INCOMING       In oMCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250         Series, L&T make       In the second state of the sec		channels, GI earth busbar, busbar chamber ,cable alleys				
be painted with two coats of enamel paint ( Grey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below:       Image: Comparison of Comparison	9	interconnection with solid bar/PVC insulated copper conductor as				
and shall also be provided with designation of Incoming and outgoing feeder as details below:       Image: State of Content o		per requirement, and suitable supports of busbars. The panel shall				
and shall also be provided with designation of Incoming and outgoing feeder as details below:       Image: State of Content o		be painted with two coats of enamel paint (Grey shade) over primer				
incoming       incoming       incoming       incoming         incoming       incoming       incoming       incoming       incoming         incoming       incoming       incoming       incoming       incoming       incoming         incoming						
INCOMING       Image: Series in the series ino						
1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make       1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.						
1 no MCCB Breaking Capacity 36 KA 160 Amp 4P , Model-DU250 Series, L&T make       1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment         200 Amps capacity 4 strips Aluminium bus bars.		INCOMING				
Series, L&T make       1 no 0 -500V digital Voltmeter in separate compartment and digital         Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with       1         LED type phase Indication Lamps with protection fuses in a separate						
1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment       Image: Comparate comparate         200 Amps capacity 4 strips Aluminium bus bars.       Image: Comparate comparate       Image: Comparate comparate         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)       40.00       mtr.         a)       3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.						
Amp meter and one set of CTs ( 3 Nos ) with CT Ratio 200/5 A with LED type phase Indication Lamps with protection fuses in a separate compartmentImage: Compartment200 Amps capacity 4 strips Aluminium bus bars.Image: CompartmentImage: Compartment200 Amps capacity 4 strips Aluminium bus bars.Image: CompartmentImage: Compartment200 Amps capacity 4 strips Aluminium bus bars.Image: CompartmentImage: Compartment200 Amps capacity 4 strips Aluminium bus bars.Image: CompartmentImage: Compartment3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.Image: CompartmentSupply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)40.00mtr.a)3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire45.00mtr.						
LED type phase Indication Lamps with protection fuses in a separate compartment       Image: compartment         200 Amps capacity 4 strips Aluminium bus bars.       Image: compartment         200 Amps capacity 4 strips Aluminium bus bars.       Image: compartment         0UTGOING       Image: compartment         3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked).       Image: HaveIIs/ RR Kable / KEI/Finolex/Pymen)         a)       3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00       mtr.         b)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.						
compartmentImage: compartment200 Amps capacity 4 strips Aluminium bus bars.Image: compartment0UTGOINGImage: compartment3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.1.00Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)a)3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire40.00mtr.b)3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire45.00mtr.						
200 Amps capacity 4 strips Aluminium bus bars.						
OUTGOING       3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.       1.00       set         Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)       40.00       mtr.         a)       3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.						
3 nos MCCB Breaking Capacity 10 KA 100 Amp 3P and 4 nos MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.1.00setSupply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V ( IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEI/Finolex/Pymen)40.00mtr.a)3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire45.00mtr.	ļ					
MCCB Breaking Capacity 10 KA 63 Amp 3P with seprate neutral Link, DU Series, L&T make.Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS ;1554 Part 1) and fixing of cable on wall with suitable size of clamps /saddles or laid in floor/recess wall including cutting of wall /floor and making good the damages etc complete as required of following sizes (ISI marked). (Make: Havells/ RR Kable / KEl/Finolex/Pymen)a)3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire40.00mtr.b)3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire45.00mtr.						
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(Make: Havells/ RR Kable / KEI/Finolex/Pymen)Image: Comparison of the second secon						
a)       3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       40.00       mtr.         b)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.						
a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.		ווומתה. רומיכווטי וזוז תמטול ו תבוורוווטולגור צווולוו)				
a)       3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire       45.00       mtr.	ļ		40.00			
b) 3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire 45.00 mtr.	a)	3.5X50 sq. mm aluminum conductors with two Nos. 8 SWG GI wire	40.00	mtr.		
B)			·			
	b)	3.5X25 sq. mm aluminum conductors with two Nos. 8 SWG GI wire	45.00	mtr.		
c) 3X6 sq. mm copper armored cable . 60.00 mtr.						
	c)	3X6 sq. mm copper armored cable .	60.00	mtr.		

d)	3X2.5 sq. mm copper armored cable.	25.00	mtr.	
,	Supplying and making end termination with brass compression gland			
11	and aluminium lugs for following size of PVC insulated and PVC			
••	sheathed / XLPE aluminium/Copper conductor cable of 1.1 kV grade			
->	as required.	2.00		
a)	3.5X50 sq.mm aluminum conductor	3.00	no.	
b)	3.5X 25 sq.mm aluminum conductor 3X6 sq. mm Copper cable gland.	8.00 6.00	no.	
c)	3X2.5 sq. mm Copper cable gland.	24.00	no.	
d)	Supply and fixing the <b>1 no.4 pole 200 Amps capacity change over</b>	1.00	no. no.	
	switch with adaptor box on suitable size of MS base and angle iron	1.00	110.	
12	frame of suitable size and strength for installation on wall /floor			
•-	including grouting of frame & painting etc. complete as required			
	Make: Havells/HPL/Standard/ Hager/ Legrand/L&T			
13	UPS DISTRIBUTION BOARD			
	supply, installation, testing and commissioning of factory fabricated			
	distribution board rust inhibited, powder coated sheet fabricated			
	comprising of incoming and outgoing isolator and MCB's neutral link			
	or neutral bus, top and bottom detachable entry earthing bolts			
	interconnection and grouting bolts etc complete as requd. Make:			
	Havells/HPL/Standard/ Hager/ Legrand/L&T			
	as per details below :-			
а	4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	2	each	
b	4 way TPNDB Double Door comprising of 1 no. incoming 63 amp	1	each	
	ELCB 30 ma & 3 no. 32 DPMCB (For UPS Input) Providing and laying following sizes of PVC insulated copper			
	conductor cable of 1100 V in flexible/ PVC conduit pipe with			
14	accessories such as glands bends etc( as per requirement) including			
14	making necessary interconnection etc complete as required.			
	2 X 6 Sq mm with 1 no suitable insulated 2.5 sq mm copper wire in	20.00	mtr.	
	PVC flexible pipe. (Make: Havells/ RR Kable / KEI/Finolex)			
15	EARTHING			
	Supply and fix copper plate earth station with 600X600X3mm copper	1	Sets	
<mark>15</mark> a)	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and	1	Sets	
	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate	1	Sets	
	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of	1	Sets	
	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage	1	Sets	
	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.			
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a)	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and			
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a)	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth</li> </ul>	2	Sets	
a) b)	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> </ul>	2 5 10	Sets Meter Meter	
a) b) 16	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for</li> </ul>	2	Sets	
a) b)	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.</li> </ul>	2 5 10 55	Sets Meter Meter Meter	
a) b) 16	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.</li> <li>b)Providing and fixing of 8 SWG GI earth wire in the recess for loop</li> </ul>	2 5 10	Sets Meter Meter	
a) b) 16	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.</li> </ul>	2 5 10 55	Sets Meter Meter Meter	
a) b) 16 17	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.</li> <li>b)Providing and fixing of 8 SWG GI earth wire in the recess for loop</li> </ul>	2 5 10 55	Sets Meter Meter Meter	
a) b) 16	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b>	2 5 10 55	Sets Meter Meter Meter Meter	
a) b) 16 17 18	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. b)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter	2 5 10 55	Sets Meter Meter Meter	
a) b) 16 17 18	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter <b>II AIR CONDITIONING WORK</b>	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter <b>II AIR CONDITIONING WORK</b>	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter <b>II AIR CONDITIONING WORK</b> Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter <b>II AIR CONDITIONING WORK</b> Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18 <u>PART-I</u>	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing <b>(ISI Marked)</b> 25 mm diameter <b>II AIR CONDITIONING WORK</b> Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18 <u>PART-I</u>	Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V. Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required. b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required. a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required. b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required. Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing (ISI Marked) 25 mm diameter II AIR CONDITIONING WORK Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement. (Make:	2 5 10 55 75	Sets Meter Meter Meter Meter	
a) b) 16 17 18 <u>PART-I</u>	<ul> <li>Supply and fix copper plate earth station with 600X600X3mm copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate</li> <li>i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987. The voltage between neutral and earth must be below 1 V.</li> <li>Supply and fix GI plate earth station with 600X600X6mm GI plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i.e excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as required as per IS 3043-1987.</li> <li>a)Supply fixing and termination of 20X3 mm copper strip with earth station below ground level etc as required.</li> <li>b)Supply fixing and termination of 20X3 mm G.I strip with earth station below ground level etc as required.</li> <li>a)Providing and fixing of 8 SWG copper earth wire in the recess for loop earthing etc. as required.</li> <li>b)Providing and fixing of 8 SWG GI earth wire in the recess for loop earthing etc. as required.</li> <li>Supply and laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from earth electrode to UPS room for computer dedicated earthing (ISI Marked)</li> <li>25 mm diameter</li> <li>I AIR CONDITIONING WORK</li> <li>Supplying &amp; Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hiwall Split AC complete with fittings Suction / Discharge line insulated with 12 mm SUPERLON / ARMAFLEX suction line. Multi-runs between Indoor &amp; Outdoor units shall be</li> </ul>	2 5 10 55 75	Sets Meter Meter Meter Meter	

b	$H_{A}(C)$	195.00	mtr	1	
a	HWS/Cassette A.C. (2.0 Tr ) Copper pipe size (5/8" & 3/8")		mtr.		
	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of	160.00	mtr		
	size 20mm dia complete with fittings, U traps etc. & as specified to				
20	the nearest toilet / drain point under floor or in recessed walls for AC				
20	drains including cutting of walls, bends & Tees. making good the				
	damages etc. wherever required. (Make: Diplast/Supreme)				
	ů i i i j				
	Eletrical flexible cable of 3x2.5sq.mm multi strand suitable for 1.5 Tr	315.00	mtr		
	H.W Split & 2.00 Tr Cassette Multi-runs between Indoor & Outdoor	010.00			
21					
	units shall be considered as ONE length for the purpose of				
	measurement.(Make: Havells/ RR Kable / KEI/Finolex)				
PART I	V- TELPHONE & DATA CABLE				
	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed	16.00	no.		
	tinned electrolatic copper conductor in 2 mm thick 25 mm dia ISI				
	marked PVC conduit complete with accessories such as bends,				
	junction boxes etc. with suitable size of G.I. box modular plate and				
22	cover in front on surface or in recess including providing and fixing				
	modular type telephone socket outlet and making necessary				
1	connections etc. complete as reqd.(Make: Dglink/KEI/Finolex)				
1	oundedions etc. complete as requilimance. Dynnin/nei/rinoiex)				
	Complex installation and testing 0 second in the CT. Disk operation	4.00			<u> </u>
23	Supply, installation and testing & commissioning of Tag Block 20 pair	1.00	no.		
<u> </u>	for telephone connections Make krone	00.05			┟────┤
1	Providing , Laying, testing & commisioning of 20 pair telephone cable	30.00	mtr.		
24	from outside govt. / bsnl DB to Rack for lease line, ISDN of Make:				
	Delton, finolex, polycab.				
1	Data cabling work for computer networking starting from mounting	24.00	no.		
1	rack at system room with UTP CAT-6e LAN Data cable in 2mm thick				
	25 mm dia ISI mark PVC conduit with accessories such as bends,				
25	Tees, junction boxes including providing and fixing cat-6 I/O plates				
	and SMB complete with all networking accessories etc complete as				
1	reqd.,				
	testing and ferruling (D-LinK/MOLEX/AMP/COMMSCOPE).				
	Note: maximum 6 no. data cable must				
	be run in one pvc pipe.				
26	supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
27	Supply and installation, testing and commissioning of mounted rack	1.00	no.		
	15" hight made of powder coated MS sheet				
	supply, installation, testing and commissioning of factory				
28	manufactured CAT-6e patch chord complete with 2 no. connectors				
1	etc. complete as reqd.				
а	1 mtr. long	24.00	no.		
b	2 mtr. long	24.00	no.		
	PART-V : SUPPLY, INSTALLATION TESTING & COMMISSIONING				
	SITC of 2"x2" Celing grid 30 watt LED fixtures with essential driver in	48.00	no.		
1		+0.00	10.		
1	false ceiling including making necessary arrangement for mounting				
29	the fixtures and connection with 2 x 1.5 sq.mm insulated copper				
_ <i>-</i>	cable from adjacent point in PVC flexible pipe etc Complete as reqd.				
1	Make Philips cat. RC 380 B- LED-30-6500PSE OD WH or				
	equivalent of Wipro / Bajaj.				
	SITC of 15 watt LED fixtures /dowlighters with essential driver in	22.00	no.		
1	false ceiling including making necessary arrangement for mounting				
	the fixtures and connection with 2 x 1.5 sq.mm insulated copper				
30	cable from adjacent point in PVC flexible pipe etc complete as reqd.				
1	Make Phillips cat no. DN - 192 - 1000 or equivalent of Wipro / Bajaj.				
	SITC of 5 watt recess mounted LED down light with assembly				
1					
31	complete with including making necessary connections etc.	6	no.		
1	Complete as reqd. (M/s Crompton Cat No. Or equivalent of				
	Philips/Wipro/ Bajaj)				
L					
	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including	12.00	no.		
		12.00	no.		
32	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including	12.00	no.		
32	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper cable conductor wire etc. complete as reqd Make Phillips cat no.	12.00	no.		
32	SITC of 18 watt of T5 LED fixtures directly on ceiling / wall including making necessary connections with 2x1.5 sq.mm insulated copper	12.00	no.		

r		04.00		1	
33	SITC of 400 mm sweep wall fan etc. complete as reqd. (M/s	21.00	no.		
55	Crompton High Flo or equivalent of Khaitan / Bajaj)				
	LED Strip light (4.5/5 watt )for cove (M/s Phillips /Wipro / Bajaj	220.00	MTR.		
34	Complete in all respects with suitable drivers				
	SITC of 1200 mm CEILING fans complete as reqd. (M/s Crompton	2.00	no.		
35	High Breeze or equivalent of USHA / Bajaj).				
	SITC of 200 mm exhaust fans complete with self opening louvers /	4.00	no.		
		4.00	110.		
36	shutters including necessary frame etc, complete as reqd. (M/s				
	Crompton High Breeze or equivalent of USHA / Bajaj).				
	TOTAL OF PART I - IV (A)				
	TOTAL OF PART - V (B)				
	TOTAL AMOUNT (A+B)				
	Add GST @ 18% on Total as applicable				
Note: t	he vendor have to provide LAN diagram after completion of the wo	rk along v	with the	bill, withou	ut it payment
	For				
	M/s Thapar and Associates				
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		t			
	Ar. Saurabh Thapar	İ			
Para second	·	•			