







	BOQ FOR ELECTRICAL WORKS AT Canara BANK- SHILLONG GHIRKHANA Brance				
SI. No	Description	Unit	Qty	Rate	Amount
PART A:	ELECTRICAL WORKS	•		,	
	SECTION-A				
1	MAIN SWITCH				
1.1.	complete with interconnection, mending good damages to original finish, painting, etc. as required.				
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	40A 4P 25 KA MCCB	No.	1		
	S.I.T.C. of Factory ManufacturedSingle/ 3 Phase & Neutral Double Door Distribution board made out of 16				
2	SWG sheet steel enclosure with cutouts for operating MCB/MCCB/RCCB etc. knobs & consisting of Phase,				
	Neutral & Earth Busbars with tapped holes , phase barriers, & covers with removable plates on Top & bottom				
	for Incoming & Outgoing Cables . D.B.'s shall be flush mounting type for both single & three phase.				
	S.I.T.C. of TPN 4 way Double Door Vertical Distribution Board with following M.C.B./M.C.C.B./RCCB & cable				
2.1.	end boxes at Input & Output. [Main VTPN]				
а	4 Pole ,Type C, 40 Amp 30KA RCCB as Incomer - 1 no.s				
	25A DP "C" Class MCB . for input to LDB - 1 Nos				
	DEA DD "C" Class MCD for input to Dow DDD 1 Nes (Mater Dispenser Mahile Charges & Angilon, conviced Load)				
	25A DP "C" Class MCB for input to Raw PDB- 1 Nos. (Water Dispenser, Mobile Charger & Ancilary services Load)				
	63A DP "C" Class MCB for input to ACDB- 1 Nos.				
	16A SP "C" Class MCCB for Inverter INPUT AND OUTPUT- 2 Nos,				
		No.	1		
	Note- Rates Shall be inclusive of S.I.T.C. 3X35 sqmm Armoured alluminimum cable from the Main LT panel to		_		
	the main DB including 4 X10 Sq.mm. F.R.L.S. Copper Flexible wires with 2 X 10 Sqmm Copper Earth Wires in				
	Rigid MS conduit from 100 A MCCB in Metal Box (Metering Cabinet) at the output of Br. Meter to Main DB				
	and any other ancillary items as directed by Engineer-in-Charge/ Architect.				
	Note- FOR AC POINTS Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm2 + 2x4.0 mm2 F.R.L.S. copper flexible				
	wires in 19/20 mm. MS conduit from Main Panel To AC points			1	l
		l			İ
	Section B				
3	Section B MCB DISTRIBUTION BOARD				
3					
3					
3	MCB DISTRIBUTION BOARD				
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	্রী চিণ্ডিকেট सিভিकेट Syndicate				
SI No	BOQ FOR ELECTRICAL WORKS AT Canara BANK- SHILLONG GHIRKHANA Branc	h Unit	Otv	Pate	Amount
Sl. No	Description	Unit	Qty	Rate	Amount
	S.I.T.C. of 10 way Single Door SPN D.B. with				
	Incomer Double pole 30 mA 40 Amp RCCB - 1 No	No.	1		
	10A SP MCB 8Nos.	140.	1		
	with all wiring connections.(Max. 2 work-Station Points to be looped on one MCB, 3 nos. in exceptional case.)				
	Note- Rates Shall be inclusive of S.I.T.C. of 3 X 4 Sq.mm. F.R.L.S. Copper Flexible wires in Rigid MS conduit				
	from Main DB to MCBDB-UPS-1. (body to be earthed)				
d		Cot	1		
	S.I.T.C of 32 Amp. D.P. MCB in Metallic box for Inverter I./P. & O/P to LDB	Set	.		
e	S.I.T.C of 32A DP MCB in Metallic box for UPS I./P.& O./P.	Set	1		
f	S.I.T.C. Of ACDB [MCB DB- AC]				
	S.I.T.C. of 8 way Single door TPN Distribution Board with all wiring connections.				
	Incomer : -25A TPN 30mA RCCB : - 1 No.	No.	1		
	Outgoing : - 25A SP MCB : -6 Nos.				
	Note- Rates Shall be inclusive of S.I.T.C. of 4 x 6.0mm2 + 2x4.0 mm2 F.R.L.S. copper flexible wires in 19/20				
	mm. Medium Guage MS conduit from Main Panel To ACDB				
	SECTION-C		ļ		
4	POINT WIRING		ļ		
	Supply & Installation of concealed point wiring using 3 x 1.5 sqmm stranded FRLS copper conductor in M.S				
	Conduit including the cost of circuit wiring from the relevant DB's with 3x 1.5 sq mm stranded FRLS copper				
	conductor in <u>M.S. Conduit</u> . PIN GRIP Lugs should be used for connection/ terminations at both the ends with				
4.1	proper colour coding of phase, neutral and earth wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). The				
7.1	rate shall also include concealed M.S Box, Cover Plate and Switches of grid plate type switches and sockets of				
	approved shade and make as approved by Bank / Architect. Each circuit should not have more than 8 points /				
	800 W in one loop as per the following configuration.				
a (i)	Primary light points including the cost of 6A switch (Single Point- 14 Nos. Double Loop Points- 11 Nos.,)	Pts	35		
(**)		D:	-		
(ii)	Primary light points including the cost of 6A switch in UPS Power	Pts	6		
b	Secondary 6A Plug point on switch board. [SO]	Pts	26		
С	16/6 A Plug Point directly taken from PDB for hotplate/geyser / zerox / fridger etc.	Pts	3		
d	Exhaust fan/ Wall Fan point consisting of 6A socket near fan and switch on light switch board	Pts	15		
	Wiring for Cignoges with 2D v2 F Commond 1 Dv 1 F Common DVC insulated conner conductor flexible coblete		1		
	Wiring for Signages with 2R x2.5 Sq.mm and 1 Rx 1.5 Sq.mm, PVC insulated copper conductor flexible cable to	Set	1		
е	be connected to the SPN D/D consumer along with a Timer and Contactor unit installed in Electrical Room	361	1		
f	room S.I.T.C. of call bell with bell point .	Nos.	1		
4.2	COMPUTER/ RAW POWER WIRING	1403.			
7.2					
	Note- All sockets should be placed below the workstations as mentioned in the drawings but the controlling				
	switch should fixed above the work stations and at place as directed by the architect				
	Supply & Installation of concealed UPS or stabilized power plug points on workstations / table for computers				
	using 3 x 2.5 sqmm stranded FRLS copper conductor in <u>M.S</u> <u>Conduit</u> including the cost of circuit wiring from				
	the relevant DB's with 3 x 4.0 sq mm stranded FRLS copper conductor in <u>M.S Conduit</u> . PIN GRIP Lugs should				
	be used for connection/ terminations at both the ends with proper colour coding of phase, neutral and earth				
a	wire (Phase R,Y,B Neutral-Black & Earth - Green Colour). Each point shall consist of 3 Nos of 6A/16A 2 / 3 Pin	Pts	12		
	sockets and 1 No 16A switch, wired together forming one point. Switches and sockets to be of approved shade				
	and make. (Only 2 tables served by one circuit from UPS DB/ Not more than 2 points shall be permitted per				
	loop) Cost is inclusive of necessary cutting the walls/ partitions and carrying all the wires through M.S				
	<u>Conduit</u> and againg finishing the walls with Putty/ Cement/ POP to receive the final paint [SOC]				
				i	İ
	S & I of points similar to above but to be used as raw power point on the tables consisting of one 6/16A socket				
	with switch of other color and flexible cable of black color & circuit taken from Raw Power DB (2 tables (
b	Maximum 3) served by one circuit from LDB/PDB) Taken Above False ceiling and through walls/ partitions	Pts	16	1	
	inside M.S. Conduits as raceways are not provided. Cost is inclusive of necessary cutting the walls and			1	
	including M.S. Conduits as required for taking the wires.				
	SECTION-D				
5	MODIFICATIONS OF EXISTING EARTHING				
	Testing, Checking and improving existing Earthing of the branch. The work shall include repairing of existing eath pit so as to				
	obtain the desired earthing output as per bank's standards and Re-Wiring and Re-connecting with minor rectifications as				
5.1	may be required for Earthing as per the existing site conditionsThe rate shall be inclusive of necessary 8 SWG dia copper	Each	2		
5.1	wire on surface or in recess for loop earthing as required. <u>EARTHING</u> <u>TEST</u> <u>CERTIFICATE</u> <u>SHOULD</u> <u>BE</u> <u>SUBMITTED</u>	Lacii		1	
	ALONGWITH THE FINAL BILL FOR FURTHER PROCESSING OF THE BILL				
	SECTION-E		ļ		
6	LIGHTING FIXTURES (Bajaj or equivalent)				<u> </u>









		টিভিকেট বিভিন্ন Syndicate	L			
S 16 of Ingithing Extures a per the details given below including necessary hardware such as clamps, unstability. A 21. Nustage and suspension during the finitures in prosition as directed by architect / Consultant. A 21. Wattage 2004, CCT 4000 K, of Phillips, Navels, Bajaj, Wipro or equilivent as approved by the Engineer-inchange/ Architect. B 24. Nustage 2004, CCT 4000 K, of Phillips, Navels, Bajaj, Wipro or equilivent as approved by the Engineer-inchange/ Architect. S 15. C 472/313 Watt 8000/8500 K, 12720 Marses). Recessed/burster mounted LED Down Lighting Fatures with fining according to the province of the	SI. No	BOQ FOR ELECTRICAL WORKS AT Canara BANK- SHILLONG GHIRKHANA Branc Description		Otv	Rate	Amount
Consultant. a 2.24f. Wattage-30W, CCT-4000 K, of Phillips, Havells, Bajal, Wipro or equilivent as approved by the Engineer incharge Architect. b 20WW UERT (DLT - tourd LED recess-mounted designer panel with aluminism die cast housing. Wattage-10W, CCT-4000 K, of Phillips, Havells, Bajal, Wipro or equilivent as approved by the Engineer incharge Architect. c 4 Collect. 2 Collect. 2 Collect. 2 Collect. 2 Collect. 2 Collect. 3 Collect. 4 Collect. 4 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 5 Collect. 6 Collect. 7 Co		S & I of lighting fixtures as per the details given below including necessary hardware such as clamps,nuts, bolts,	O.I.I.C	۷.,	11000	7
24 Supply and Triting of 100 - 12" Metal bladded exhaust fans with louwers.[ET]		Consultant.				
SBW, CCT. 4000 K, of Phillips, Havelis, Bajaj, Wipro or requilivent as approved by the Engineer-incharged. No. 20 SLTC. of 12/13 Watt G000/5000 KL; 2720 lumens) Recessed/Surface mounted LED Down Lighting. Fixtures with fining accessories. As Emergency Light with fining accessories. As Emergency Light decorative end caps, Vattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 16 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 12 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, Wipro or equilivent as approved by fach 12 decorative end cap, Wattage-20W, CCT- 4000 K, of Phillips, Havelis, Bajaj, W	a	x 2ft , Wattage-30W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equilivent as approved by the Engineer-	No	24		
c S.I.T.C of 12/13 Wort 0500/SSOD K. (2720 lumens) Recessor/Surface mounted LED Down Lighting Fixtures with fining accessories. & Emergency Light with fining accessories. & Emergency Light docrarber end caps, Wattage-20W, CCT-4000 K. of Phillips, Herel-R. Biglija, Wipro or equilivers as approved by the Engineer-incharge/Architect. 600 MM LYBER LIGHT (IZI - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decrarber end caps, Wattage-20W, CCT-4000 K. of Phillips, Herel-R. Biglija, Wipro or equilivers as approved by the Engineer-incharge/Architect. 600 MM LYBER LIGHT (IZI - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decrarber end caps, Wattage-20W, CCT-4000 K. of Phillips, Herel-R. Biglija, Wipro or equilivers as approved by the Engineer-incharge/Architect. 61. Supplying including fitting fixing of following: star rated new 400-450 mm dia bracket/wall fain in PVE body and PVE badde of Havello, Florit X flority on the Architect. 62. Supplying including fitting fixing of following: star rated new 400-450 mm dia bracket/wall fain in PVE body and PVE badde of Havello formit X flority on the Architect. 63. and PVE badde of Havello formit X flority on the Architecture of the Supplying and the Architecture X flority X flority on the Architecture of the Supplying and the Architecture of A	b	18W, CCT- 4000 K, of Phillips, Havells, Bajaj, Wipro or equilivent as approved by the Engineer-incharge/	No	20		
200 MM TURE LIGHT TEL- LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-20VX, CCT-000 K, of Phillips, Havella, Bajaji, Wipro or equilivent as approved by the Engineer-incharge/Architect. 502 MM TURE LIGHT TEL- LED batten tubes, Glaze LED Batten, High quality aluminium extruded with decorative end caps, Wattage-20VX, CCT-4000 K, of Phillips, Havella, Bajaji, Wipro or equilivent as approved by the Engineer-incharge/Architect. 503 and PVD Klade of Havello's Chrient Klotos or equivalent of approved make c, complete with all accessories with necessary connection cable, as approved by the Depth set, as required complete and as directed by the Bank and 400-450 mm weep. 504 Supply and fixing fi	С	S.I.T.C. of12/13 Watt 6000/6500 K,(≥720 lumens) Recessed/Surface mounted LED Down Lighting Fixtures	No	7		
6.3. Supplying including fitting floing of following star rated new 400-450 mm dia bracket/wall fan in PVC body the Engineer-incharge/ Architect. 5. Supplying including fitting floing of following star rated new 400-450 mm dia bracket/wall fan in PVC body and PVC blade of Havells/ Orient/ Kolors or equivalent of approved make , complete with all accessories with necessary connection cable, as approved by the Deptt set ct. as required complete with all accessories with necessary connection cable, as approved by the Deptt set. as required complete and as directed by the Bank 6.4. 3. All MIRING FOR DATA AND VOICE OUTLETS 5. WIRING FOR DATA AND VOICE OUTLETS 5. WIRING FOR DATA AND VOICE OUTLETS 5. Supplying, laying and termination of 4 pair Copper solid, twisted pair G600 CAT-6 cables through specified dia MS conduits / Tareways, Cables must meet and exceed category 6/ dass: Estandards requirements in SO/RCITAIDI. CERLIEC RIVOT3. 8 Th. Soles, 21-1 and providing & terminating with AF6 (Knone maske) with face plates / 1/0 Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with AF6 connector including numbering with freule, Note-a faces shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5'-0" long patch chord with crimping on both ends a. R. ALS for data points (THROUGH False ceiling and wall) A. C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 s.q.mm. +1 No. 4 s.q.mm. (Green colour for earthing) PVC insulated flexible Files Scopper conductor cable through suitable size M.S. conduit (IS marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concelled by those cutting on wall complete with north Not of wires to be done by means of Wago? type connectors. Each Ac will be connec	d	1200 MM TUBE LIGHT [TL] - LED batten tubes, Glaze LED Batten, High quality aluminium extruded with	Each	16		
be Engineer-incharge/ Architect. Supplying including fitting floing of following star rated new 400- 450 mm dia bracket/wall fan in PVC body and PVC blade of Havels/ Orient/ Kolors or equivalent of approved make , complete with all accessories with necessary connection cable, as approved by the Deptt set. as required complete and as directed by the Bank 3 400-450 mm sweep 5 40-45 MiRING FOR DATA AND VOICE OUTLETS Supplying, laying and termination of 4 pair Copper solid, twisted pair 6600 CAT-6 cables through specified dia MS condults / raceways. Cables must meet and exceed category 6/ dass E standards requirements in SO/RCITBIOL, CERLIEC RIVIDIT3 & TLA SR68-12. Land providing, a terminating with Haf-6/ Knoron make with face plates /1/0 Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other and with A-6/ soonector including numbering with freule, Notes attends that exist shall be influsive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5'-0" long, patch chord with cirriping on both ends a RL 45 for data points (THROUGH False ceiling and wall) A C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 s.q.mm. +1 No. 4 sq.,mm. (Green clobur for earthing) PVC insulated flexible RHS flosopper conductor cable through suitable size M.S. conduit (IS marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or conceiled by the sec cutting on wall complete with order of wires to be done by means of Wago? type connectors. Each Ac will be connected through Inverter to be located en earth eA/DB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete with under grow of wires to be done by means of Wago? type connectors. Each Ac will be connected through Inverter to be located en earth eA		the Engineer-incharge/ Architect. 600 MM TUBE LIGHT [TL]- LED batten tubes, Glaze LED Batten, High quality aluminium extruded with				
and PVC blade of Havells/ Orient/ Kolors or equivalent of approved make , complete with all accessories with necessary connection cable, as approved by the Deptt. set c. as required complete and as directed by the Bank all all all all all all all all all al	e		Each			
a) 400-450 mm sweep 6.4 Supply and fixing of 10"-12" Metal bladded exhaust fans with louvers.[EF] 7 WIRNER FOR DATA AND VOICE OUTLETS Supplying, laying and termination of 4 pair Copper solid, twisted pair 6600 CAT—6 cables through specified dia MS conduits / raceways. Cables must meet and exceed category 6/ class E standards requirements in ISO/ECISIOI, CENELE ENSIOT3 & 1Ta Sea-82-1 and providing & terminating with R4-15 (knome make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with R4-55 (knometor including numbering with ferule Note: Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5'-0" long patch chord with crimping on both ends 8 A.C. POINT WIRING A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 s.q.mm. + 1 No. 4 s.q.mm. (Green colour for carthing) PVC insulated flexible RIS: copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false celling or concealed by chase cutting on wall complete with North Plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of Wage? Type connectors. Each Ac will be connected through inverter to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete virule as related to electrical and LAN cabling works, which are not being proposed for re-use in the branch. 9 MISCELLENOUS WORKS 1 Less Buy Back of Told Items. 1 Less Buy Back of Old Items nd Output wiring should be done with FRLS insulated stranded copper conductor l	6.3.	and PVC blade of Havells/ Orient/ Kolors or equivalent of approved make , complete with all accessories with				
Supply and fixing of 107" - 127' Metal bladded exhaust fans with louvers.[EF]			FACIL	12		
### WIRING FOR DATA AND VOICE OUTLETS ### WIRING FOR DATA AND VOICE OUTLETS ### Supplying, Jaying and termination of 4 pair Copper solid, twisted pair G600 CAT—6 cables through specified dia Ms Conduits / raceways. Cables must meet and exceed category 6/ class 6 standards requirements in ISO/IEC11801, CENELEC EN50173 & TIA 568-B2-1, and providing & terminating with R1-45 (Krone make) with face plates //10 Ports in suitable modular / MS box from server / EPA&X room to individual work stations and terminating other end with R1-45 comector including numbering with freur. Bet all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5-0° long patch chord with crimping on both ends ### ALS for data points (THROUGH False ceiling and wall) ### A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 s.q.mm. + 1 No. 4 s.q.mm. (Green colour for earthing) PVC insulated flexible FRIS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all diamages to original finish, planting can on wall complete with North-United Control of wires with plate. Interconnection, mending good all diamages to original finish, planting can as required to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete of wires wiring and no payment for wiring shall be entertained for this item of work located and planting starter of the provided of the provided						
dia MS conduits / raceways. Cables must meet and exceed category 6 / class E standards requirements in ISO/IECT1801, CENELEC ENSD173 & TIA 568-89-1. and providing & terminating with R1-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with R1-45 connector including numbering with ferule. Note- Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5'-0" long patch chord with crimping on both ends a R1-45 for data points (THROUGH False ceiling and wall) A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (Si marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false celling or conceeded by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors. Each Ac will be connected through inverter to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete 9 MISCELLENOUS WORKS 9.1 4 Pole 100 Amp Manual Changeover Switch for Mains to D.G. supply switching (if D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work A TOTAL OF ELECTRICAL TEMS Dismantiling of all Electrical wires, fittings, switch gars etc. all complete including provideing temporary arrangement during renovation of the branch as and where required and Buy Sack o			271011	J		
A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (SI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of "Wago" type connectors. Each Ac will be connected through Inverter to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete 9 MISCELLENOUS WORKS 9.1 A Pole 100 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work 9.2 DISMANTELLING INCLIDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS DISMANTELLING INCLIDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS DISMANTELLING INCLIDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS DISMANTELLING INCLIDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS DISMANTELLING INCLIDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF BACK ACCEPTANCE AND AND AND AND AND AND AND AND AND AND	7.1	dia MS conduits / raceways. Cables must meet and exceed category 6/ class E standards requirements in ISO/IEC11801, CENELEC EN50173 & TIA 568-B2-1. and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule. Note- Rates shall be all inclusive as mentioned in the description above and the payment for the same item shall be made on the number of points provided based on the above description. Rates shall be inclusive of 5'-0" long patch chord with				
A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors. Each Ac will be connected through Inverter to be located near the ACDB. Rates shall be inclusive of cost of wires, wirings, sockets, starter, testing all complete 9. MISCELLENOUS WORKS 9.1 A Pole 100 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work 9.2 BACK OF ALL ELECTRICAL ITEMS DISMANTELLING INCLUDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS Dismantelling of all Electrical wires, fittings, switch gears etc. all complete including provideing temporary arrangement during renovation of the branch as and where required and Buy Back of all switches, sockets, wires, cables, etc. all complete as related to electrical and LAN cabling works, which are not being proposed for re-use in the branch. A TOTAL OF ELECTRICAL & OTHER RELATED WORKS 1 UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. (From input DB to UPS and from 1 UPS input and Output wiring should be drawn inside M. S. Conduits Only unless otherwise specified 3 Specifications of all wires should be followed strictly as mentioned in the detailed specifications of the Tender docume	а	RJ-45 for data points (THROUGH False ceiling and wall)	points	12		
4 Pole 100 Amp Manual Changeover Switch For Mains to D.G. supply switching (If D.G. Back-up is provided). Rates shall be inclusive of complete wiring and no payment for wiring shall be entertained for this item of work 9.2 DISMANTELLING INCLUDING PROVIDING TEMPORARY ARRANGEMENT FOR SMOOTH FUNCTIONING OF BRANCH & BUY BACK OF ALL ELECTRICAL ITEMS Dismantelling of all Electrical wires, fittings, switch gears etc. all complete including provideing temporary arrangement during renovation of the branch as and where required and Buy Back of all switches, sockets,wires,cables,etc. all complete as related to electrical and LAN cabling works, which are not being proposed for re-use in the branch. A TOTAL OF ELECTRICAL & OTHER RELATED WORKS Less Buy Back of Old Items GRAND TOTAL GENERAL NOTE 1 UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. (From input DB to UPS and from 2 All wires for circuit wiring and other wiring should be drawn inside M. S. Conduits Only unless otherwise specified 3 Specifications of all wires should be followed strictly as mentioned in the BOQ 4 All makes of materials should be followed as mentioned in the detailed specifications of the Tender document 5 Earthing Test Certificate MUST be provided alongwith the Final bill for further bill verification 6 Single Line diagram showing the all the wiring including point wiring, computer and RAW power wiring, Circuit wiring etc. all complete should be	8	A.C. power point wiring from AC DB with 1100 volt grade 2 Nos. single core 6 sq.mm. + 1 No. 4 sq.mm. (Green colour for earthing) PVC insulated flexible FRLS copper conductor cable through suitable size M.S. conduit (ISI marked embossed on conduit surface) complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall complete with North-West make AC power unit having 25A DP MCB with enclosure, 25A Socket, 20A Starter, mounting box & front plate, interconnection, mending good all damages to original finish, painting etc. as required. All connections of wires to be done by means of 'Wago' type connectors. Each Ac will be connected through Inverter to be	NOS	6		
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GENERAL NOTE 1 UPS input and Output wiring should be done with FRLS Insulated stranded copper conductor laid through M.S Conduit. (From input DB to UPS and from 2 All wires for circuit wiring and other wiring should be drawn inside M. S. Conduits Only unless otherwise specified 3 Specifications of all wires should be followed strictly as mentioned in the BOQ 4 All makes of materials should be strictly followed as mentioned in the detailed specifications of the Tender document 5 Earthing Test Certificate MUST be provided alongwith the Final bill for further bill verification 6 Single Line diagram showing the all the wiring including point wiring, computer and RAW power wiring, Circuit wiring etc. all complete should be		·				
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