ELECTRICAL WORK OF STATE BANK OF INDIA BRANCH AT CHAIL (HP.)

S.No.	Item	Quantity	Units	Rate	Amount
1	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)				
1	Supply all materials, receiving, storing, handling, fixing and laying 3 x 2.5 sq.mm PVC insulated copper conductor armoured cable and fixing of cable on wall with suitable size of clamps/saddles or laid in floor or recessed wall including cutting of floor/wall for computer points with suitable size GI Box with modular plate and cover in front including providing and fixing 3 no. 5/6 amp 5 pin modular sockets controlled by 1 no. 10Amp switch with indicator, connection end terminations with suitable size of Brass compression glands etc. complete as required. (Only two points can be connected in series with single cable)	15.00	Each		
	4 points for BM Cabin , 2 points for Networking Equipment's in Banking Hall and 2 per SWC As per item + above but with z no. 16 amp 5 pin modular sockets				
2	controlled by 1 no. 16 amp modular switch and 6 amp indicator Lamp including the cover plate.	5.00	Each		
	1-BM, 2- Rack,1- BANKING HALL				
3	Point Wiring:				
	Wiring for light point / ceiling Fan point / exhaust fan point with 1.5sq.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 & cli[p and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core etc. as required. (WiresMake: HAVELLS/ RR KABLES / KEI / FINOLEX) (SWITCHES: MAKE ANCHOR / CRABTREE / NORTH-WEST / MK)				
	(Rate includes 3 x 2.5 sq.mm FRLS copper conductor , sinle core cable in PVC conduit for circuit/sub main wiring along with earth wire)				
(a)	Single 6 Amp Swirch controlling 1 light point for T-5, Wall Fan , Exhaust Fan, Ceiling Fan and other separate room supply only	17.00	no.		
(b)	single 6Amp Switch controlling 4 no downlights / 4 no LED downlights / 2no 2'-0" x 2'-0" 36 watt light fittings.	30.00	no.		
(c)	single 6Amp socket controlling by 5Amp Modular switch in switch boards etc complete as required.	7.00	no.		
	2 - 36watt LED /or 4 - 15 watt LED / 1 exhaust fan /1 ceiling fan to be provided per point				
(d)	Supply and Installation of Points for Wiring for power plug point (heating point) 16A with $2 \times 2.5 \text{ sq.mm} + 1 \times 1.5 \text{sq.mm}$ copper conductors , including the modular switches, sockets and plates. Including the cost of 2mm thick PVC conduits. To be provided for water cooler , pantry , Banking Hall ,BM Cabin and rest for SWC. {One point to be provided per circuit.}	10.00	Each		
4	Extension of wall fans:				
	Extension of existing points with 2xl.5 sq.mm. PVC insulated copper conductor cable in suitable dia MS conduit in recess conduit wiring system for wall fan points with modular switches of 6 amp and 5 amp 5 pin modular sockets as per requirement and filling chassis etc complete as regd.	7.00	no.		
5	Providing & laying following sizes of PVC insulated copper conductor cable of 1100 V in flexible/PVC conduit with accessories such as glands. bends etc.(as per requirement) including making necessary Inter connection etc complete as reqd.				
	2 x 6 sq.mm with 1 no. suitable PVC insulated earth wire	20.00	mtr.		

Supply instalation, training & commissioning of factory fabricated distribution board rust inhibited, powder coated Sheet sheet fabricated comprising of incoming & outgoing leotator & MCDS neutral link or neutral bus, principal or the providing boths are complete as require as per details below: 13 12 way MCBBD bouble Door comprising of 1 no. 63 amp DFMCB 10° Series and 1 no. 61 floragm SFMCBS 10° SERIES, (for the URS points each DB to be connected to 20 UPS points le only two points shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected to 3 UPS points is end to no. 61 floragm SFMCBs 10° SERIES, (for the UPS points each DB to be connected to 3 UPS points is end by two points shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected to 3 UPS points is end by two points shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one MCByL LAT 1 (70 R EQUAVILLANT shall be connected with one data series and shall be connected one series are required. (for Raw Power Only) shall be connected on the shall be connected only shall be connected on the shall be connected only shall be connected only shall be connected only when the plug is inserted in the socked to consult be shall be connected only when the plug is inserted in the socked to consult be shall be connected only when the plug is inserted in the socked to consult be shall be connected only when the plug is inserted in the socked to consult be shall b	S.No.	Item	Quantity	Units	Rate	Amount
"C'Series and 10 no. 6/10amp SPMCB's "C' SERIES. (for the UPS points seach DB to be connected vith one MCBI/ L&T / OR EQUAVILANT b) 6 way MCBDB comprising of 1 no. 63 amp DPMCB "C'Series and 4 no. 6/10amp SPMCB's "C'SERIES. (for the UPS points each DB to be connected to 8 UPS points i.e only two points shall be connected with one MCBI/ L&T / OR EQUAVILANT c) 4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no. 4P 63AMP, 130mA and 12 Nos. 6/10 Amp SPMCBS etc complete as required. (for Light, Fan point, Raw power points). d) 4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no. 4P 63AMP, 130mA ELCB and 12 Nos. 20/25 Amp SPMCBS etc complete as required. (for CR aw Power Only) e) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS) "C" Series are required. (for Raw Power Only) e) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS) "C" Series 1, L&T / OR EQUAVILANT f) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series. (AC DB & el-LOBBY) L&T / OR EQUAVILANT 7 Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 7 Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. sheet either in recess wall or on surface to absence on the same has a many power or mounting panel shall have it on sustable supports of bus bass. The panel shall be record roome of the rest and bus bar, bus be chamber cable alleys interconnections with solid bar/PVC insulated copper confluctor as per requirement, and sutable supports of bus bass. The panel shall be placed with 15 counting panel shall have located or su	6	distribution board rust inhibited, powder coated Sheet sheet fabricated comprising of incoming & outgoing isolator & MCB's neutral link or neutral bus,top and bottom detachable entry earthing bolts Interconnection and				
of (Jamp SPMCB's "C" SERIES, (for the UPS points each DB to be connected to 8 UPS points ie only two points shall be connected with one MGB) L&T / OR EQUAVILANT c) 4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 4P 63AMP, 130mA and 12 Nos. 6/10 Amp SPMCBS etc complete as required. (for Light, Fan point, Raw power points). d) 4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 4P 63AMP, 130mA ELCB and 12 Nos. 20/25 Amp SPMCBS etc complete as required. (for Raw Power Only) e) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS I/C) L&T / OR EQUAVILANT f) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS I/C) L&T / OR EQUAVILANT g) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way SPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 5 young testing testing of following 3 pin metal clad industrial type plug & socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T / OR EQUAVILANT a) 20025 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is inserted in the socket outside the record room for fire safety) L&T / OR EQUAVILANT b) 30 amp with 63 amp DPMCB 7 Yo	a)	"C"Series and 10 no. 6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 20 UPS points i.e only two points	1.00	each		
of wall and making good the damages comprising 1 no 4P 63AMP, 130mA and 12 Nos. 6/10 Amp SPMCBS etc complete as required. (for Light, Fan point, Raw power points). d) 4 WayTP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 4P 63AMP, 130mA ELCB and 12 Nos. 20/25 Amp SPMCBS etc complete as required. (for Raw Power Only) e) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS I/C) L&T / OR EQUAVILANT f) 4 way SPDB comprising of 2 no. 63 amp DPMCB (for UPS) "C * Series LAT / OR EQUAVILANT g) 4 way TPDB comprising of 1 no. 63 Amp PPMCB (for UPS) "C * Series LAT / OR EQUAVILANT g) 4 way TPDB comprising of 1 no. 63 Amp PPMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way TPDB comprising of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with16 S.W.G.M.S. 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 Smm backalite sheet on base connector strip and painting of box etc complete as reqd. TOTAL SUB-HEAD -1 Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) SUB HEAD 2 (PANELS & CABLES) Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 10 SUB HEAD 2 (PANELS & CABLES) 10 Look MS. sheet interpolate and shall also be provided with designation of	b)	6/10amp SPMCB's "C" SERIES. (for the UPS points each DB to be connected to 8 UPS points i.e only two points shall be connected with one MCB)/ L&T / OR EQUAVILANT	1.00	each		
of wall and making good the damages comprising 1 no 4P 63AMP, 130mA ELCB and 12 Nos. 20/25 Amp SPMCBS etc complete as required. (for Raw Power Only) e) 4 way SPDB comprising of 1 no. 63 amp 4 pole MCB (for UPS I/C) L&T / 0R EQUAVILANT f) 4 way SPDB comprising of 2 no. 63 amp DPMCB (for UPS) "C" Series 1.8T / OR EQUAVILANT g) 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB (Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT g) 4 way TPDB comprising of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) 1 Providing & fixing 3 No. 100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vernin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enam	c)	of wall and making good the damages comprising 1 no 4P 63AMP, 130mA and 12 Nos. 6/10 Amp SPMCBS etc complete	1.00	Each		
OR EQUAVILANT 1	d)	of wall and making good the damages comprising 1 no 4P 63AMP, 130mA ELCB and 12 Nos. 20/25 Amp SPMCBS etc	1.00	Each		
9 4 way TPDB comprising of 1 no. 63 Ampere TPNMCB C series and 6 nos. 32Amp DPMCB C Series. (AC DB & e-LOBBY) L&T / OR EQUAVILANT 7 Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box et complete as reqd. TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) 1 Providing & fixing 3 No. 100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) MAIN PANEL 2a) MAIN PANEL 3a) MAIN PANEL 3b) MAIN PANEL 3c) MAI	e)	1 , , , , , , , , , , , , , , , , , , ,	1.00	Each		
2.00 each 32Amp DPMCB C Series (AC DB & e-LOBBY) L&T / OR EQUAVILANT 7 Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement with plug top cap & chain controlled by 1 No. MCB a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below. INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	f)		2.00	Each		
a) 20/25 amp SPMCB (one for making the plug socket arrangement for the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. 1 Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below. 10 NCOMING 10 No. MCB 11 No. MCB 11 No. MCB 11 No. MCB 12 No. MCB 12 No. MCB 12 No. MCB 13 No. MCB 14 No. MCB 15 No. MCB 16 No. MCB 17 No. MCB 18 No. MCB 18 No. MCB 18 No. MCB 18 No. MCB 19 No. MCB 10 No. MCB 10 No. MCB 10 No. MCB 11 No. MCB 11 No. MCB 11 No. MCB 12 No. MCB 12 No. MCB 12 No. MCB 13 No. MCB 14 No. MCB 15 No. MCB 16 No. MCB 17 No. MCB 18 No. MCB 18 No. MCB 18 No. MCB 19 No. MCB 10 No. MCB 10 No. MCB 10 No. MCB 11 No. MCB 12 No. MCB 12 No.	g)		2.00	each		
the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T OR EQUAVILANT b) 30 amp with 63 amp DPMCB 8 Providing & fixing suitable size of MS box fabricated with16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. 1 TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below- INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	7					
8 Providing & fixing suitable size of MS box fabricated with 16 S.W.G.M.S. 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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. 1 TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below- INCOMING 1.00 1.0	a)	the record room so that the supply is connected only when the plug is inserted in the socket outside the record room for fire safety) L&T	8.00	no.		
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 5mm backalite sheet on base connector strip and painting of box etc complete as reqd. TOTAL SUB-HEAD -1 SUB HEAD 2 (PANELS & CABLES) Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	b)	30 amp with 63 amp DPMCB	3.00	no.		
SUB HEAD 2 (PANELS & CABLES) 1 Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. 1.00 job mm etc. complete as reqd. 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	8	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 5mm backalite sheet on base connector strip and	1.00	job		
Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/		TOTAL SUB-HEAD -1				
Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd. MAIN PANEL 2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade) over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/		SUB HEAD 2 (PANELS & CABLES)				
2a) Supply at site installation, testing & commissioning of panel fabricated with 16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below- INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	1	Providing & fixing 3 No.100 amp kit-kats (fuse carrier & base) with 1 no. neutral link on suitable size of backalite sheet of thickness not less than 6 mm etc. complete as reqd.	1.00	job		
16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below- INCOMING a) 125 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/	0-7					
i les amp mose i pois mai de le caraciang sapasity at the contex	(2a)	16 S.W.G.M.S. sheet. The panel shall be free standing type totally enclosed dust & vermin proof construction with rubber gaskets. The floor mounting panel shall have ISMC mounting channels, G.1. earth bus bar, bus bar chamber cable alleys interconnections with solid bar/PVC insulated copper conductor as per requirement, and suitable supports of bus bars. The panel shall be painted with 2 coats of enamel paint (grey shade)over the primer and shall also be provided with designation of incoming & outgoing feeder as per details below-				
	(a)					

S.No.	Item	Quantity	Units	Rate	Amount
	1 set of 160 amp TPN aluminium bus-bar chamber				
	1 no. 0-500 V Voltmeter with selector switch in a separate compartment				
	and amp meter with selector switch and one set of CT's (3 no.) with CT				
	ratio 100/5 A with LED type indication lamps with protection fuses in a				
	separate compartment				
	OUTGOING				
a)	5 No. 63 amp 3 pole MCCB. (MCCB'S WITH 25KA BREAKING				
	CAPACITY at 415 Volts. / HIGHEST AVAILABLE). (For A.C , UPS	1.00	set		
	, Lighting & Heating) & e- LOBBY/ L&T DN SERIES or Equavilant				
3	Supply, installation, testing & commissioning of PVC insulated PVC				
	sheathed armored cable of 1100 V (IS-1554 part I) and fixing of cable on wall with suitable size of clamps/ saddles or laid in floor/recess wall				
	including cutting of floor/wall and making good the damages etc. complete				
	as reed. of following sizes:-				
a)	4 x 16 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire (from the				
,	Meter to the Main panel)(from the Genset to the Change over and				
	from change over to the essential panel, from the main panel to the	40.00	per mtr.		
	essential panel.)				
b)	3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring)	50.00	per mtr.		
	ARMOURED CABLE	30.00	per mu.		
c)	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire FROM	35.00	per mtr.		
e)	KIT-KAT TO c/o SWITCH AND MAIN PANEL 3 x 6 sq.mm copper conductor (for UPS DB)	60.00	nor mtr		
4	End termination with Brass compression glands including providing	00.00	per mtr.		
4	lugs/ferruls and making necessary connections etc. complete as reqd. of				
	following sizes:-				
a)	3.5 x 50sq.mm. aluminium conductor	0.00	each		
b)	3 x 2.5 sq.mm. copper conductor	10.00	each		
c)	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8S.WG.G.1. wire	5.00	each		
d)	4 x 16sq.mm. aluminium conductor	12.00	each		
e)		4.00			
5	3 x 6 sq.mm copper conductor Providing & fixing suitable size of angle iron frame suitable for installation	4.00	each		
3	on wall/floor including grouting of frame &painting etc. complete as reqd.				
	comprising of the following:				
a)	1 NO.4 pole 160 amp capacity changeover switch of L&T make or	1.00	job		
	Equavilant	1.00	100		
6	Providing & fixing 16 S.W.G. M.S. Sheet adapter box, and also base frame				
	for installation of M.C.B. D.B.'s plug &socket arrangement and to cover	1.00	sqmt.		
	cables in system room including painting etc. complete				
	TOTAL SUB -HEAD 2				
	SUB-HEAD 3 (EARTHING)				
1.1	Supply &fix copper plate earth station with 600x6000x3mm thick copper				
	plate including Signage Board , all accessories such as watering pipe &				
	funnel and providing masonary enclosure at top with cover plate i/c				
	excavation of pit supplying & filling of salt charcoal, refilling of pit etc	1.00	set		
	complete as reqd as per IS 3043-1987. The voltage between neutral &				
	earth must be below 1 volt.				
1.2	Supply & fix G.I. plate earth station with 600x600x6mm thick G.I. plate				
	including Signage Board , all accessories such as watering pipe & funnel				
	and providing masonary enclosure at top with cover plate i/c excavation of				
	pit, supplying & filling of charcoal, refilling of pit etc complete as reqd as	2.00	set		
	per IS 3043-1987 (for the neutral earthing from the point of neutral link				
	beside the fuse connection and second for the body earthing				
	connected to both panel body and the ups base panel)				
	NOTE: chamber for the earthing shall be available at site without it				
	the earthing cost shall not be paid for all the Earthing You are also				
	required to provide picture of earthing taken at the time of execution				
	of the same.				
		l			<u> </u>

S.No.	Item	Quantity	Units	Rate	Amount
2	Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required	3.00	mtr.		
	Supplying, fixing & termination of 20 mm X 3 mm GI strip with earth station below ground level and on wall saddle etc complete as reqd.	6.00	mtr.		
3.1	Providing & fixing 8 S.W.G G.I. Cu earth wire on surface or in recess for loop earthing etc. as reqd.	35.00	mtr.		
3.2	Providing & fixing 8 S.W.G G.I. earth wire on surface or in recess for loopearthing etc. as reqd.	40.00	mtr.		
4	Supply & 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, for data cabling, electrical cabling etc. including providing 1 no. G.I. pull wire for data cabling making good the damages etc. wherever read.				
a)	25mm	60.00	mtr.		
	TOTAL SUB-HEAD -3				
	SUB HEAD 4 (NETWORKING)				
1	Wiring for computer networking starting from mounting rack with UTP CAT-6 cable in 2 mm thick 25mm dia ISI mark PVC conduit with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as reqd.	18.00	no.		
2	Installation, testing and commissioning of 24-port unmanaged switch 10/100 full duplex complete as reqd. (to be supplied by the bank)	1.00	no.		
3	Supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
4	Supply installation. testing and commissioning of mounted rack 15" height made of powder coated MS sheet.	1.00	no.		
5	Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd.				
a)	1m long	18.00	no.		
b)	2m long Supply, fixing and commissioning of cable Cat-6 complete with 2 no. connectors or as required etc. complete as reqd including upvc 19mm dia. pipe conduit of heavy duty.	7.00	no.		
c)	50mm	30.00	mtr.		
6	Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed 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 cover in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd.	6.00	no.		
7	Supply, fixing and commissioning of 20 pair tag block for telephone points. (box and strips Krone make)	1.00	no.		
	TOTAL SUB -HEAD 4				
	SUB-HEAD 5 (AIR CONDITIONING PIPING WORK)				
1	Supplying & Laying of following COPPER REFRIGERANT PIPING Thickness 22 SWG For Hi-wall 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.				
	1/4" + 1/2" Refrigerant piping - For Hi wall Split AC's	50.00	per mtr.		
2	Supply and laying following dia 3.38mm (confirming to ASTM D1785 standard) in thickness, heavy duty PVC pipe under floor or recessed in walls for AC drains, { To nearest To including bends, Tees etc as required complete in all respect.	30.00	per mtr.		
3	Electrical flexible cable of 3 x 2.5sq.mm FRLS Cu cable multi strand suitable for 2 Tr H.W Split & 1.5 Tr H.W Split. Multi-runs between Indoor & Outdoor units shall be considered as ONE length for the purpose of measurement.	95.00	per mtr.		
	TOTAL SUB-HEAD 5				

S.No.	Item	Quantity	Units	Rate	Amount
	SUB HEAD 6 (INSTALLATION OF FANS AND FIXTURES.				
1	Installation of 36 watt. LED fitting crompton greaves (or equivalent) LCTLR-36-FD-CDL complete as required. (including the cost of earthing connection)	14.00	no.		
2	Installation of 15 watt. LED fitting crompton greaves (or equivalent) LCDD-15-CDL complete as required	35.00	no.		
3	Installation, testing and commissioning of wall fans including making necessary arrangement for fixing on wall complete as reqd.	5.00	no.		
4	Installation, testing and commissioning of T5 fixtures directly on ceiling / wall including making necessary connections with suitable size of PVC insulated copper conductor wire etc. complete as reqd.	4.00	no.		
6	Installation, testing and commissioning of exhaust fans including making connection with adjacent point etc. complete as reqd.	4.00	no.		
	TOTAL SUB-HEAD 6				
	SUB HEAD 7 (SUPPLY OF FANS & FIXTURES)				
1	Supply of 36 watt. LED fitting crompton greaves (or equivalent) LCTLRN-36-FO-CDL complete as required	14.00	no.		
2	Supply of 15 watt. LED fitting crompton greaves (or equivalent) LSDRMN-15 W-CDL complete as required	35.00	no.		
3	SITC of 450 mm sweep metal body and metal blades crompton greaves or equivalent SDX BLACK GOLD wall fan etc.1325 sqm high flow complete as reqd. (M/s Crompton or equivalent of USHA/ Bajaj/ ORIENT TORNADO WALL II) Use double string WALL FAN, One String used for Speed Control & other String used for Rotation	5.00	no.		
4	4.5/5 Watt LED strip light for cove with Driver (M/s. Philips Wipro / Bajaj) Complete in all respects required shade warm white/ blue as per requirement.	26.00	MTR.		
5	Supply of following Batten type LED fittings complete as reqd.				
a)	LED fitting 18 watt LCTL-18-CDL OF CROMPTON OR EQUIVALENT OF PHILIPS/WIPRO	4.00	no.		
7	Supply of 250 mm (sweep) exhaust fans complete with self opening louvers/shutters etc. complete as reqd. (M/s Crompton cross air or equivalent of USHA / Bajaj) TOTAL SUB - HEAD 7	4.00	no.		
	TOTAL SUB - HEAD T				
	TOTAL SUB-HEAD-1				
	TOTAL SUB-HEAD-2				<u> </u>
	TOTAL SUB-HEAD-3				
	TOTAL SUB-HEAD-4				
	TOTAL SUB-HEAD-5				
	TOTAL SUB-HEAD-6				
	TOTAL SUB-HEAD-7				
	TOTAL COST OF ELECTRICAL WORKS (1 TO 7)				
	DISCOUNT IF ANY				
	NET COST OF ELECTRICAL WORKS				
	Add GST @ 18% on Total as applicable				
	IN WORDS (RS)				

IN WORDS (RS)

SIGNATURE OF CONTRACTOR NAME OF CONTRACTOR ADDRESS OF CONTRACTOR

IMPORTANT NOTE: ALL WIRES USED AT SITE SHALL BE FRLS ONLY (FLAME RETARDANT LOW SMOKE WIRES ONLY)