BILL OF QUANTITIES FOR ELECTRICAL, LIGHTING & DATA NETWORKING WORKS AT STATE BANK OF INDIA, BARA Branch at, Distt. HAMIRPUR (H.P)

S.No.	Item / Specifications	Qnty.	Units	Rate	Amount
PART-I:	COMPUTER POINTS & DISTRIBUTION				
1.1	Supply all material, storing, handling, fixing and laying of 3X2.5 Sq. mm.	16	each		
	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 for computer points in suitable size of box				
	fabricated with 16 G MS sheet including providing 3 nos 5 amps 3 pin				
	sockets controlled by 1 no 5 A modular type switch, indicator and				
	fuse mounted on 3 mm thick ISI marked hylam sheet and painting of				
	box etc complete as required Note; max. two computer points are to				
1.2	be provided on one circuit.		aaah		
1.2	As per item 1 above but with 1 Nos. 15 A 5 pin socket controlled by 1	8	each		
1.2	no 15 A switch and indicator.(ON RAW POWER)	2	aaah		
1.3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1		each		
1.4	no 15 A switch and indicator.(ON UPSPOWER)				
1.4	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core				
a)	cable in surface/ recessed medium class PVC conduit as required. 2 X 6 sq. mm + 1 X 2.5 sq. mm earth wire for UPD input and Output	30	Mtr		
"	Supply	30	iviti		
	-чирргу				
1.5	Wiring for light point/ Ceiling fan point/ exhaust fan point with 1.5				
1.5	sq.mm FRLS PVC insulated copper conductor single core cable in				
	surface / recessed medium class PVC conduit, with modular switch,				
	modular plate, suitable GI box and earthing the point with 1.5 sq.mm				
	FRLS PVC insulated copper conductor single core cable etc. including				
	circuit wiring with 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire as				
	required.(Ht. upto 4.5mrts from floor)				
Α	1 no. light controlled by 1 no. switch	25	no		
В	2 no. light controlled by 1 no. switch	35	no		
С	5/6 pin 6 amp plug point with 6 amp switch	8	no.		
D	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp	10	no.		
	switch				
E	1 no. 15Amp 5 Pin Socket controlled by 1 no. 15 Amp. Switch for	3	no.		
	Record /Cash/Gols Safe Room				
1.6	Supply installation testing and commissioning of 3 pin 20/25 A 3 pin	5	each		
	metal clad industrial type plug and socket arrangement with plug top,				
	cap and chain controlled by 1 no 32 A SP MCB.(1.5 TR Acs) Note;				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.7	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	4			
a)	8-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.		
	wall and making good the damages comprising 1 no 63 A DP Isolator				
In V	and 6 Nos. 6/10 A MCBS etc complete as required.	4			
b)	6-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.		
	wall and making good the damages comprising 1 no 40A DP Isolator				
	and 4 Nos. 6/10 A MCBS etc complete as required.	<u> </u>			

1 Away SPDB comprising of 2 nos 63A DP MCG (For UPS). 2 no.		4 CDDD :: 4 CO.4.5 D.1 TDMM4CD / C. LIDC\	4		1	
e) Al Way TP MCBBB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P losbator and 6 Nos. 32 A DPMCBS etc complete as required. (AC DB) f) 4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P losbator and 1 2 Nos. 6-32 A SPMC6S etc complete as required (LIGHT/POWER Dbs) 1.8 Supply installation testing and commissioning of following 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by 1 No MCB (a) 20 Amps. with 20 Amp. SP MCB. 1.90 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. 101AL OF PART-I PART-II. PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required sare viculated as required sare viculated as required sare viculated and surface to a specific provided of 5 mm sheet serviced 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 size of mamel fabricated with 16 G MS sheet. The panel shall be painted with two coats of enamel paint (Forey shade) over primer as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Forey shade) over primer as per requirement, and suitable supports of busbars. The panel shall be painted with two coats of enamel paint (Forey shade) over primer and shall also be provided with designation of Incoming and outgoing feeder as details below: 1 NCOMING 1 no NCOBING 3 no MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T make 2.03 Amps. appacity 4		4 way SPDB comprising 1 no 63 A Four Pole TPNMCB (for UPS).	1	no.		
will and making good the damages comprising 1 no 100 A 4P Isolator and 6 Nos. 32 A DPMCBS et complete as required. 4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P Isolator and 12 Nos. 6-32 A SPMCBS etc complete as required (LIGHT /POWER Dbs) 1.8 Supply installation testing and commissioning of following 3 pin metal clad industrial type piteg and socket arrangement with plug top, cap and chain controlled by 1 No MCB (a) 20 Amps. with 20 Amp. 5P MCB. 1.9 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. 7 TOTAL OF PART-I PART-II *PANELS & CABLES 2.1 Providing and fixing of 0 3 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2 Main *Panel: 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 costs 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 MCOB Breaking Capacity 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase Indication Lamps with protection fuses in a separate 2200 Amps capacity 4 strys Aluminium bus bars. OUTGOING 5 no MCCB Breaking Capacity			2	no.		
and 6 Nos. 32 A DPMCBS etc complete as required. (ACDB) 4 Way TP MCBDB Double Door in recessed wall including cutting of wall and making good the damages comprising 1 no 100 A 4P Isolator and 12 Nos. 6-32 A SPMCBS etc complete as required (LIGHT/POWER Dbs) 1.8 Supply installation testing and commissioning of following 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by 1 No MCB (a) 20 Amps. with 20 Amp. SP MCB. 4 no. 70. 1.90 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 S mm bakelite on base connector strip and painting of box etc as required. 10 TOTAL OF PART -1 11 TOTAL OF PART -1 12 TOTAL OF PART -1 13 TOTAL OF PART -1 14 TOTAL OF PART -1 15 TOTAL OF PART -1 16 TOTAL OF PART -1 17 TOTAL OF PART -1 18 TOTAL OF PART -1 19 TOTAL OF PART -1 10 TOT	e)	4 Way TP MCBDB Double Door in recessed wall including cutting of	1	no.		
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Dbs) 1.8 Supply installation testing and commissioning of following 3 pin metal clad industrial type plug and socket arrangement with plug top, cap and chain controlled by 1 No MCB (a) 20 Amps. with 20 Amp. SP MCB. (b) 30 Amps. with 32 Amp. SP MCB. 1.90 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. 1.70 TOTAL OF PART-I PART-II: PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2 Main Panel: 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 her laws 16 ms. Sheet have been suited by the totally enclosed dust and vermin proof construction with vubber gaskets. The floor mounting panel shall have ISMC mounting channels, Gil 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) ower primer and shall also be provided with designation of incoming and outgoing feeder as details below: NRCOMING 1 no MCCB Breaking Capacity 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTSOING Show MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T make 1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and						
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and chain controlled by 1 No MCB (a) 20 Amps. with 20 Amp. SP MCB. (b) 30 Amps. with 22 Amp. SP MCB. 3 no. 1.90 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. TOTAL OF PART-I PART-II: PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required as required as required 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 25 KA 160 Amp 4P, DN 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 150/5 A with LD type phase Indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTGING Sno MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T make 2.3 Supply, Installation, testing & commissioning of PVC insulated PVC sheathed armoured cable of 1100 V (IS 1584 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) 3 3K525 sq. mm aluminium conductor with new no 8 SWG Gi wire. 6) 3 3K52 mm aluminium conductor with new no 8 SWG Gi w	1.0	I 11 1				
(a) 20 Amps. with 22 Amps. SP MCB. (b) 30 Amps. with 32 Amp. SP MCB. 31 no. 1.90 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. TOTAL OF PART-I PART-II: PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2. Main Panel: 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, Gl 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 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase Indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTGOING Sno MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T 1 set make. 2.3 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) 3 3K52 Sq. mm aluminium conductor with none no 8 SWG Gl wire. 6) 4						
(b) 30 Amps. with 32 Amp. SP MCB. 1.90 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. TOTAL OF PART-I PART-II: PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2 Main Panel: 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: 1 no MCCB Breaking Capacity 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase Indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTGOING 5 no MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T 1 set make. 2.3 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) 3 JSAZS Sq. mm aluminium conductors with two Nos. 8 SWG Gl wire. 60 mtr. 45 mtr.		and chain controlled by 1 No MCB				
1.90 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 providing of 5 mm bakelite on base connector strip and painting of box etc as required. 2.1 TOTAL OF PART-1 PARELS & CABLES 2.2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2.2 Main Panel: 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 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase Indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTGOING Sno MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T 1 set make. 2.3 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 (IS marked) 3 365 sg. mm aluminium conductor with non 8 SWG Gl wire. 6 3 450 sg. mm copper conduc	(a)	20 Amps. with 20 Amp. SP MCB.	4	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 of 5 mm bakelite on base connector strip and painting of box etc as required. TOTAL OF PART -I PART-II : PANELS & CABLES 2.1 Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link on suitable size of Bakelite sheet of thickness not less than 12 mm complete as required 2.2 Main Panel: 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 25 KA 160 Amp 4P , DN 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 150/5 A with LED type phase Indication Lamps with protection fuses in a separate 200 Amps capacity 4 strips Aluminium bus bars. OUTGOING 5 no MCCB Breaking Capacity 25 KA 63 Amp 3 Pole DN Series, L&T make. 2.3 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) b) 3.5x25 sq. mm aluminium conductors with two Nos. 8 SWG Gl wire. 75 mtr. c) 4X10 sq. mm aluminium conductors with two Nos. 8 SWG Gl wire. 60 mtr.	(b)	30 Amps. with 32 Amp. SP MCB.	3	no.		
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d) 3X6 sq. mm copper conductor armoured . 45 mtr.						
						
e) 3X2.5 sq. mm copper conductor armoured for ACS 40 mtr.	d)			mtr.		
		101/0 =	1 40	l	I	1

					1
2.4	End termination with brass compression glands including providing of				
2.4	lugs/ferrules and making necessary connection etc complete as				
	required of the following sizes:				
b)		10			
	3.5X25 sq. mm aluminum conductors		no.		
c)	4X10Sq.mm aluminum conductor	6	no.		
d)	3X6 sq. mm copper conductor	4	no.		
e)	3X2.5 sq. mm copper conductor	10	no.		
2.5	Describing and Coloration following and tale and obtaining the following				
2.5	Providing and fixing the following switch on suitable size of MS base				
	and angle iron frame of suitable size and strength for installation on				
	wall /floor including grouting of frame & painting etc. complete as				
	required .	1			
a)	1 no.4 pole 160 Amps capacity change over switch with adaptor box	1	no.		
2.6	Providing and fixing 16 G MS sheet adopter box and also base frame				
	for installation of MCB DBs plug and socket arrangements and to cover				
	cables in system room including painting etc complete as required.				
	for UPS input/output distribution	1	no.		
	TOTAL OF PART -II				
	: EARTHING				
3.1 (a)	Supply and fix copper plate earth station with 600X600X3mm copper	1	set		
	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.				
(b)	Supply and fix GI plate earth station with 600X600X6mm GI plate	2	set		
	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.				
3.2 (a)	Supply fixing and termination of 20X3 mm copper strip with earth	3	mtr.		
	station below ground level etc as required.				
(b)	Supply fixing and termination of 32x6 mm G.I. strip with earth station	6	mtr.		
	below ground level etc as required.				
3.3 (a)	Providing and fixing of 8 SWG copper earth wire in the recess for loop	25	mtr.		
	earthing etc. as required.				
(b)	Providing and fixing of 8 SWG GI earth wire in the recess for loop	20	mtr.		
	earthing etc. as required.				
3.4 a)	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 including bends Tees Etc. making good				
	the damages etc. wherever required				
	25mm	50	mtr.		
	TOTAL OF PART -III				
PART-IV	: AC PROVISIONING (COPPER PIPE, WIRING ETC)				
	Supply, Installation, testing & commissioning of refrigeration pipe				
	including cutting of wall & fixing with suitable saddles or clamps,				
	providing suitable sizes of sleeves for passing refrigerant pipe from				
	indoor to outdoor unit including making neccessary arrangement etc.				
	complete as required.				
a)	Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4")	60	mtr.		
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4.2	Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 20mm dia complete with fittings, U traps etc. & as specified to the nearest toilet / drain point under floor or in recessed walls for AC drains including cutting of walls, bends & Tees. making good the damages etc. wherever required. (Make: Diplast/Supreme)	80.00	mtr	
4.3	Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO	110	mtr	
	TOTAL OF PART - IV			
	: TELEPHONE , CCTV & SMOKE DETECTOR WIRING			
	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	no.	
5.2	Supply installation and testing of Tag Block 20 pair for telephone connections	1	no.	
5.3	Supply and fixing 20 Pair Telephone Cable	35	mtr	+
J.J	TOTAL OF PART - V	33	11101	
PART-VI	I : NETWORKING			
6.1	Wiring for computer net working starting from mounting rack with UTP Cat 6 cable in 2 mm thick 25 mm dia ISI marked PVC conduit pipe with accessories such as bends, junction boxes including providing and fixing I/O plates and SMB complete with all networking accessories etc complete as required	16	No	
6.2	Removal & Re-installation of existing Switch as per approved layout	1.00	no.	
6.3	supply, installation, testing and commissioning of 16-port Patch Panel	1.00	no.	
6.4	Supply and installation, testing and commissioning of mounted rack 15" hight made of powder coated MS sheet	1.00	no.	
6.5	Supply Fixing and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required.(factory manufactured)			
	(a) 1 meter long	16	No	
	(b) 2 meter long	12	No	
6.6	Supply and laying of CAT 6 cable in PVC conduit of suitable size with connectors as required., complete in all respects.	30.00	mtr	
	TOTAL OF PART - VI			
DARTI	LILL CITC OF FANC 9 FIVELINGS			
	II: SITC OF FANS & FIXTURES SITC of 2'-0" x2'-0" Celing grid 33-36 watt LED panel fixtures with	9	no	+
	essential driver in false ceiling including making necessary arrangement for mounting the fixtures and connection with 2 x 1.5 sq.mm insulated copper cable from adjacent point in PVC flexible pipe etc Complete as reqd. Make Philips cat. RC 380 B- LED-30-6500PSE OD WH or equivalent of Wipro / Bajaj / Crompton. Note: No additional payment will be made for providing frame for light fixing in Gypsum ceiling.	9	no.	
	SITC of 15 watt recess mounted LED down light with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. Or equivalent of Philips/Wipro/ Bajaj)	40	no.	
7.3	Supply of 450 mmm sweep metal body wall fan complete as reqd. Model turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj	8	no.	

7.4	SITC of Exhaust Fan 12inch dia, m etal body of CROMPTON / BAJAJ	4	no.	
	/KHAITAN			
7.5	Supply Installation, testing & commissioning of 5W LED STRIP light	20	mtr	
	with driver and Accessories complete as required (MS CROMPTON or			
	equivalent of WIPRO , PHILLIPS, BAJAJ etc.			
7.6	SITC of 18 /20 watt of T5 LED fixtures directly on ceiling / wall including	6	no.	
	making necessary connections with 2x1.5 sq.mm insulated copper			
	cable conductor wire etc. complete as reqd Make Phillips cat no. DN -			
	192 - 1000 or equivalent of Wipro / Bajaj.			
7.7	SITC of 30 watt Street light /Flood light for lighting the front side of the	2	no.	
	branch(M/s Crompton Cat No. LSTS-30-CDL or equivalent of			
	Philips/Wipro .			
	TOTAL OF PART -VII			
PART-V	III : CREDIT OF OLD MATERIAL			
8.1	Existing old wiring including old tube lights, Switches, computer point	1	Lumpsum	
	Sockets, MCB DBs Cables and wires, Panels, changeover (work also			
	includes removal from the premises).			
	No LED Light Fittings & fans are part of Credit Item (all lights to be re-			
	used in Branch)			
	The work includes removing of complete old wiring as directed,			
	ensuring there is no hindrance to branch working and removing the old			
	stuff to contractors own dump.			
	No electrical/data/telephone point shall be removed prior to Branch			
	Head approval. NO CCTV/Smoke Detectoes/fire alarms to be removed			
NOTE:	Dismentaaling of existing connections, temporary re-arragements of			
	UPS points /Data Points/Light Points/Tel Points for smooth working			
	of branch during renovation works will have to be done by the			
	executing agency.			
	SUMMARY			
	TOTAL OF PART I-VI(A)			
	TOTAL OF PART - VII (B)			
	TOTAL OF PART - VIII (C)			
	TOTAL (A+B-C)			