BILL OF QUANTITIES FOR ELECTRICAL, LIGHTING & DATA NETWORKING WORKS AT STATE BANK OF INDIA, Awahdevi 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.	20	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				
	be provided on one circuit.				
1.2	As per item 1 above but with 1 Nos. 15 A 5 pin socket controlled by 1	8	each		
	no 15 A switch and indicator.(ON RAW POWER)				
1.3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1	2	each		
	no 15 A switch and indicator.(ON UPS POWER)				
1.4	Wiring for circuit/ submain wiring alongwith earth wire with the				
	following sizes of FRLS PVC insulated copper conductor, single core				
	cable in surface/ recessed medium class PVC conduit as required.				
a)	2 X 6 sq. mm + 1 X 2.5 sq. mm earth wire for UPS input & Out[ut supply	30	Mtr		
۵,					
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)				
A	1 no. light controlled by 1 no. switch	25	no		
		35			
	2 no. light controlled by 1 no. switch 5/6 pin 6 amp plug point with 6 amp switch	10	no		
	Primary Wall fan point controlled by 5 AMP socket controlled by 5amp	10	no.		
	switch	10	110.		
E	1 no. 15Amp 5 Pin Socket controlled by 1 no. 15 Amp. Switch for	4	20		
_	Record /Cash/Gols Safe Room	4	no.		
	Record / Cash/Gois Sale Room				
1.6	Supply installation testing and commissioning of 3 pin 20/25 A 3 pin	5	oach		
1.6)]	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.	4	0 = =1-		
1.7	Supply installation testing and commissioning of 3 pin 30A 3 pin metal	1	each		
	clad industrial type plug and socket arrangement with plug top, cap				
	and chain controlled by 1 no 32 A DP MCB.(For 2 TR Acs) Note;				
	Independent circuit for AC point is to be provided starting from				
	distribution system.				
1.8	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				

- 1	0 (0)	4		1	
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				
	and 6 Nos. 6/10 A MCBS etc complete as required.				
b)	6-way SPN MCBDB Double Door in recessed wall including cutting of	1	no.		
	wall and making good the damages comprising 1 no 40 A DP Isolator				
	and 4 Nos. 6/10 A MCBS etc complete as required.				
c)	4 way SPDB comprising 1 no 63 A Four Pole TPNMCB (for UPS).	1	no.		
d)	4 way SPDB comprising of 2 nos 63A DP MCB (for UPS).	2	no.		
e)	4 Way TP MCBDB Double Door in recessed wall including cutting of	1	no.		
	wall and making good the damages comprising 1 no 100 A 4P Isolator				
	and 6 Nos. 32 A DPMCBS etc complete as required. (AC DB)				
	(Ne bb)				
	4 Way TP MCBDB Double Door in recessed wall including cutting of	2	no		
f)		2	no.		
	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)				
1.9	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.		
(b)	30 Amps. with 32 Amp. SP MCB.	3	no.		
<u> </u>	· '				
1.10	Providing and fixing of suitable size MS box fabricated with 16 G MS	1	job		
1.10	sheet either in recess wall or on surface to accommodate dedicated	-	,00		
	learth 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				
		1 00	ioh		
2.1	Providing and fixing of 03 no 100 Amps KITKAT with 1 no neutral link	1.00	job		
	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	1.00	job		
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	1.00	job		
	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 Main Panel: Supply at site installation testing and commissioning of	1.00	job		
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 Main Panel: Supply at site installation testing and commissioning of panel fabricated with 16 G MS sheet. The panel shall be free standing	1.00	job		
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				1	
a)	3.5x25 sq. mm aluminium conductors with two Nos. 8 SWG GI wire.	75	mtr.		
b)	4X10 sq. mm aluminum conductor with one no 8 SWG GI wire.	40	mtr.		
c)	3X6 sq. mm copper conductor armoured .	50	mtr.		
d)	3X2.5 sq. mm copper conductor armoured for ACS	20	mtr.		
			-		
2.4	End termination with brass compression glands including providing of				
	lugs/ferrules and making necessary connection etc complete as				
	required of the following sizes:				
		_			
a)	3.5X25 sq. mm aluminum conductors	8	no.		
b)	4X10Sq.mm aluminum conductor	8	no.		
c)	3X6 sq. mm copper conductor	8	no.		
<u>d)</u>	3X2.5 sq. mm copper conductor	12	no.		
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 .				
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			+	
2.0	, · · · · · · · · · · · · · · · · · · ·				
	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				
PART-III	I : 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)		2	cot		
(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	10	mtr.		
` ′	earthing etc. as required.				
(b)	Providing and fixing of 8 SWG GI earth wire in the recess for loop	40	mtr.		
(~)	earthing etc. as required.				
3.4 a)	Supply and laying following dia 2 mm in thickness PVC pipe under			+	
] 3.7 0)	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	60	mtr.		ļ
				ļ	
	TOTAL OF PART -III				
PART-IV	: AC PROVISIONING (COPPER PIPE, WIRING ETC)				
4.1	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.				
	John Proto do Fogunica.			<u> </u>	1

b) HWS / Cassette AC (2.0TR & 3.0TR) copper pipe size (5/8" & 3/8") 14 mtr 4.2 Supplying Ring recessed in wall Rigid ISI Mark PVC Grain 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) 4.3 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PVEMEN / ECKO 4.4 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PVEMEN / ECKO 4.4 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / CASSET AC, Make - FINOLEX / POLYCAB / HAVELLS / PVEMEN / ECKO 4.4 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / CASSET AC, Make - FINOLEX / POLYCAB / HAVELLS / PVEMEN / ECKO 4.4 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / CASSET AC 4.5 Supply & laying of 3 core 2.55q.mm. RRIS copper flexible cable for HWS / CASSET AC 4.6 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed 8 no. time for the first account of the control	a)	Hi Wall Split AC (1.0 & 1.5TR), copper pipe size (1/2" & 1/4")	70	mtr.	
4.2 Supplying & laying recessed in wall Rigid ISI Mark PVC drain pipe of size 90.00 mtr 20min 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 & Teses making good the damages etc. wherever required. (Make: Diplast/Supreme) 4.3 Supply & laying of 4 core 2.5sq.mm. FRIS copper flexible cable for HWS / C/assette AC, Make - RINDLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.4 Supply & laying of 3 core 2.5sq.mm. FRIS copper flexible cable for HWS AC, Make - FINDLEX / POLYCAB / HAVELLS / PYEMEN / ECKO TOTAL OF PART - IV PARTY-** TELEPHONE**, CCIV & SMOKE DETECTOR WIRING 5.1 Wring for telephone points with 0.6 mm dia 2 pair insulated annealed timed electrolatic copper conductor in 2 mm thick 25 mm dia 15 marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.1. box modular plate and cover in front on surface or in recess including providing and fining modular type telephone socket outlet and making necessary connections etc. complete as requ. 5.2 Supply installation and testing of Tag Block 10 pair for telephone 1 no. 5.3 Supply and fixing 20 Pair Telephone Cable 35 mtr TOTAL OF PART - V PARTY-** LETWORKING 6.1 Wring for computer net working starting from mounting rack with UTP Caf 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 6.2 Removal & Re-installation of existing Switch as per approved layout 1.00 no. 6.3 supply, installation, testing and commissioning of formunded rack 15 1.00 no. 7.1 U height made of powder coated M5 sheet 1					
20mm dia complete with fittings, U traps etc. & as specified to the nearest totlet / 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) 4.3 Supply & laying of 3 core 2.5sq. mm. FRLS copper flexible cable for HWS / Cassette AC, Make: FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.4 Supply & laying of 3 core 2.5sq. mm. FRLS copper flexible cable for HWS AC, Make: FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 10TAL OF PART - IV PART-V: TELEPHONE, CCTV & SMOKE DETECTOR WIRING 5.1. Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed 8 no. timed electrolatic copper conductor in 2 mm thick 25 mm dia ISI marked PVC conduit complete with accessories such as bends, junction boxe etc. with suitable set of 6.1. box modular pitate 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 read. 5.2. Supply installation and testing of Tag Block 10 pair for telephone 2 no. connections 5.3. Supply and fixing 20 Pair Telephone Cable 35 mtr 10TAL OF PART - V PART-V: NETWORKING 6.1. Wiring for computer net working starting from mounting rack with UTP act 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 (/O plates and SMB complete with all networking accessories etc complete as required 6.2. Removal & Re-installation of existing Switch as per approved layout 1.00 no. 1.00 no					
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damages etc. wherever required. (Make: Diplast/Supreme) 4.3 Supply & laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.4 Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.5 TOTAL OF PART - IV PART-V: TELEPHONE, CCTV & SMOKE DETECTOR WIRING 5.1 Wring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia 151 marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of 6.1. 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 requd. 5.2 Supply installation and testing of Tag Block 10 pair for telephone connections 5.3 Supply and fixing 20 Pair Telephone Cable TOTAL OF PART - V PART-V: NETWORKING 6.1 Wring for computer net working starting from mounting rack with UTP at accessories such as bends, junction boxes including providing and fixing V/O plates and SMB complete with all networking accessories etc complete as required. 6.2 Removal & Re-installation of existing Switch as per approved layout 1.00 no. 6.4 Supply and installation, testing and commissioning of 74-port Patch Panel 1.00 no. 6.5 Supply ship ships depressioning of CAT 6 cable in PVC conduit of suitable size with 2 no. 6.6 Supply and installation, testing and commissioning of formunited rack 15 no. 7.1 STC of 2-0° x-2° 0° Celing grid 33-36 watt LED panel fixtures with 2 no. 8.5 Supply and installation provides and commissioning of Paport Patch Panel 1.00 no. 9.6 Supply and installation provides and provides p		I			
4.4 Supply & Laying of 4 core 2.5sq.mm. FRLS copper flexible cable for HWS / Cassette AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO 4.4 Supply & Laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS / AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO TOTAL OF PART - IV PART-V : TELEPHONE , CCTV & SMOKE DETECTOR WIRING 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia 15 marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of G.I. box modular plate and corer in front on surface or in recess including providing and fixing modular type telephone socket outlet and making necessary connections etc. complete as reqd. 5.2 Supply installation and testing of Tag Block 10 pair for telephone a connections 5.3 Supply and fixing 20 Pair Telephone Cable TOTAL OF PART - V PART-V : NETWORKING 6.1 Wiring for computer net working starting from mounting rack with UTP Cat 6 cable in 2 mm thick 25 mm dia 15 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 6.2 Removal & Re-installation of existing Switch as per approved layout 1.00 no. 6.3 Supply, installation, testing and commissioning of 24-port Patch Panel 1.00 no. 6.4 Supply and installation, testing and commissioning of mounted rack 15 1.00 uo. 9. U height made of powder coated MS sheet 1. Supply rixing and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required. (factory manufactured) (a) 1 meter long 1. No (b) 2 meter long 1. No					
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AC, Make - FINDLEX / POLYCAB / HAVELLS / PYEMEN / ECKO TOTAL OF PART - IV PARTY : TELEPHONE. CCTV & SMOKE DETECTOR WIRING 5.1 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 Gl. 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 regd. 5.2 Supply installation and testing of Tag Block 10 pair for telephone connections 5.3 Supply and fixing 20 Pair Telephone Cable TOTAL OF PART - V PARTY ! 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 6.2 Removal & Reninstallation of existing Switch as per approved layout 6.3 supply, installation, testing and commissioning of 24-port Patch Panel 1.00 no. 6.4 Supply and installation, testing and commissioning of mounted rack 15 1.00 u height made of powder coated MS sheet 6.5 Supply king and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required, factory manufactured) (a) 1 meter long (b) 2 meter long (c) 2 meter long (d) 2 meter long (e) 1 meter long (f) 2 meter long (f) 3 meter long (f) 4 meter long (f) 4 meter long (f) 5 meter long (f) 7 meter long (f) 8 meter long (f) 8 meter long (f) 8 meter long (f) 9 meter long (f) 1 meter long (f) 1 meter long (f) 1 meter long (f) 2 meter long (f) 2 meter long (f) 3 meter long (f) 4 meter long (f) 5 meter long (f) 6 meter long (f) 7 meter long (f) 8 meter long (f) 8 meter long (f) 9 meter long (f) 9 meter long (f) 9 meter long (f) 1					
PART-V: TELEPHONE, CCTV & SMOKE DETECTOR WIRING 5.1 Wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolatic copper conductor in 2 mm thick 25 mm dia 15 marked PVC conduit complete with accessories such as bends, junction boxes etc. with suitable size of 6.1, 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 regd. 5.2 Supply installation and testing of Tag Block 10 pair for telephone connections 5.3 Supply and fixing 20 Pair Telephone Cable TOTAL OF PART - V PART-V: NETWORKING 6.1 Wiring for computer net working starting from mounting rack with UTP CAC 66 cable in 2 mm thick 25 mm dia 15l 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. 6.2 Removal & Re-installation of existing Switch as per approved layout 1.00 no. 6.3 Supply, installation, testing and commissioning of 24-port Patch Panel 1.00 no. 6.4 Supply and installation, testing and commissioning of 74-port Patch Panel 6.5 Supply Fixing and commissioning of 74-port Patch Panel 6.6 Supply Fixing and commissioning of 74-port Patch Panel 6.7 Supply Fixing and commissioning of 74-port Patch Panel 6.8 Supply and laying of CAT 6 cable in PVC conduit of suitable size with 2 no. 6.9 Supply and laying of CAT 6 cable in PVC conduit of suitable size with 30.00 mb. 6.1 Supply and laying of CAT 6 cable in PVC conduit of suitable size with 30.00 mbr connectors as required, complete in all respects. 7.1 SITC of 5-0° X2'-0° Celing grid 33-36 watt LED panel fixtures with 2 no. 8. Supply and laying of CAT 6 cable in PVC conduit of suitable size with 30.00 mbr connectors as required, complete in all respects. 9. Total OF PART - VI PART-VII SITC OF FANS & FIXTURES 7.1 SITC of 2-0° X2'-0° Celing cord and advanced proversion of the providing frame for light fixi	4.4	Supply & laying of 3 core 2.5sq.mm. FRLS copper flexible cable for HWS	90	mtr	
PART-Y: TELEPHONE, CCTV & SMOKE DETECTOR WIRING 5.1 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 6.1. 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. 5.2 Supply installation and testing of Tag Block 10 pair for telephone connections 5.3 Supply and fixing 20 Pair Telephone Cable TOTAL OF PART - V PART-Y: 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 6.2 Removal & Re-installation of existing Switch as per approved layout 6.3 supply, installation, testing and commissioning of 24-port Patch Panel 6.4 Supply junction installation of existing Switch as per approved layout 7. U height made of powder coated MS sheet 8. Supply Fixing and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required. (factory manufactured) 8. Supply sing and commissioning of Patch cable cat 6 of complete with 2 nos of connectors etc complete as required. (factory manufactured) 8. No 8. Supply and laying of CAT 6 cable in PVC conduit of suitable size with connectors as required, complete in all respects. 1. STC of 2-0" x2-0" Celling grid 33-36 watt LED panel fixtures with 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 required. Make Philips cat. RC 380 B LED-30-6500PSE OD WHO requivalent of Wijno / Bajaj / Crompton. 80 WHO requivalent of Wijno /		AC, Make - FINOLEX / POLYCAB / HAVELLS / PYEMEN / ECKO			
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. 5.2 Supply installation and testing of Tag Block 10 pair for telephone connections 5.3 Supply installation and testing of Tag Block 10 pair for telephone connections 5.4 Supply installation and testing of Tag Block 10 pair for telephone as 5 mmtr TOTAL OF PART - V PART-VI : 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 6.2 Removal & Re-installation of existing Switch as per approved layout and installation, testing and commissioning of 24-port Patch Panel and the supply, installation, testing and commissioning of mounted rack 15 and the supply installation, testing and commissioning of mounted rack 15 and the supply installation of existing switch as per approved layout and installation and installation of existing switch as per approved layout and installation and supply, installation of existing switch as per approved layout and installation and the supply and installation of existing switch as per approved layout and installation and the supply and installation of existing switch as per approved layout and installation and the supply and installation of existing switch as per approved layout and apply and installation of existing switch as per approved layout and apply and installation of existing switch as per approved layout and apply and installation of existing switch as per approved layout and apply apply and installation of existing switch as per approved layout and apply apply and app		TOTAL OF PART - IV			
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WH or equivalent of Wipro / Bajaj / Crompton. Note: No additional payment will be made for providing frame for light fixing					
in Gypsum ceiling.		additional payment will be made for providing frame for light fixing			
		in Gypsum ceiling.			

7.2	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)	44	no.	
7.3	Supply of 450 mm sweep metal body wall fan complete as reqd. Model turbo 180, USHA Make or equivalent of Crompton/Havells/Bajaj	10	no.	
	(M/s Crompton Hi-Flo or equivalent of Khaitan / Bajaj			
7.4	SITC of Exhaust Fan 12inch dia, m etal body of CROMPTON / BAJAJ	4	no.	
'''	/KHAITAN	•	1.0.	
7.5	Supply Installation, testing & commissioning of 5W LED STRIP light	25	mtr	
/.5	with driver and Accessories complete as required (MS CROMPTON or		11161	
	equivalent of WIPRO , PHILLIPS, BAJAJ etc.			
7.6	SITC of 18 /20 watt of T5 LED fixtures directly on ceiling / wall including	3	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	3	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:	Dismentaling 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 ©			
	TOTAL (A+B- C)			
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