

NAME OF WORK : PRICE BID FOR ELECTRICAL INSTALLATION WORKS OF STATE BANK OF INDIA, BRANCH & ATM AT RAMAN MANDI.

SN.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
PART- A					
UPS & RAW POWER POINTS					
1	Supply all materials receiving, storing, handling, fixing & laying of 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 recess 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 amp 3 pin modular socket controlled by 1 No. 5 amp modular switch with indicator , connection end terminations with suitable size of glands etc. complete as reqd.(On UPS Power) (sockets need to be installed under the table on left/right side support under the table while the indicator and switch need to be installed on the top of the table.)	40	Each		
2	As per item 1 above but with 2 no. 15 amp 5 pin modular socket controlled by 1 no. 15 amp modular switch with indicator.(On Raw power only for printer) (to be provided on top of table)	20	each		
3	As per item 1 above but with 2 Nos. 15 A 5 pin socket controlled by 1 no 15 A switch and indicator.(U.P.S and Data Points are to be provided in lock and key arrangement)	5	each		
DISTRIBUTION BOXES					
4	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming isolator and outgoing MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as reqd. as per details below :-				
(a)	8- way MCBDB double door in recessed wall including cutting of wall and making good the damages comprising of 1no. 63 Amp isolator and 6 no. 6/10 Amp MCBs etc. complete as reqd.(For banking hall)	0	no.		
(b)	12- way MCBDB double door in recessed wall including cutting of wall and making good the damages comprising of 1no. 63 Amp isolator and 10 no. 6/10 Amp MCBs etc. complete as reqd. (For banking hall)	2	no.		
(c)	6 way MCBDB double door comprising of 1 no. 40 Amp isolator and 4 no. 6/10amp MCBs etc. complete as reqd. (For BM cabin, Server Room & ATM Room)	2	no.		
(d)	4 way TPN MCBDB Double door comprising of 1 no. 100 amp isolator and 3 no. 32 amp TPN MCBs etc. complete as reqd. (For Acs)	0	no.		
(e)	4 way TPN MCBDB Double door comprising of 1 no. 100 amp isolator and 6 no 32 A DPMCB etc. complete as reqd. (For Acs & E-Lobby)	2	no.		
(f)	4 way TPN MCBDB Double door (8+12 module) comprising of 1 no. 63 amp, 4P, isolator and 1no. 63amp, 30mA, 4P ELCB and 12 no. 6-25 amp SP MCBs etc. complete as reqd. (For lighting circuits)	1	no.		
(g)	4 way TPN MCBDB Double door comprising of 1 no. 100 amp, 4P MCB and 12 no. 20/25 amp SP MCBs etc. complete as reqd. (For power/Heating Point & E-lobby)	2	no.		
CONTROL AND DISTRIBUTION PANELS					

5	Providing and fixing 3 no. 200Amp kitkats (fuse carrier & base) with 1 no. neutral link on suitable size of Bakelite sheet of thickness not less than 6mm etc. complete as reqd.	1	no.		
	PANELS				
6a	Supply, installation, testing & commissioning of wall mounted cubical type electrical panel fabricated with 16 S.W.G. MS 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, GI earth buss 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(gray shade) over the primer and shall have be provided with designation of incoming and outgoing feeder as per details below:-	1	set		
	INCOMING				
(a)	1 no MCCB breaking capacity 36 KA 200 amp 4P, DN SERIES				
(b)	1 set of 200 amp 4 strips aluminium bus bar chamber in separate compartment				
(c)	1no. 0-500V Digital multimeter in a separate compartment & Digital Ammeter and one set of CTs (3no.) with CT ratio 200/5 A with LED type indication lamps with protection fuses in separate compartment				
	OUTGOING				
a)	1 no MCCB breaking capacity 36 KA 160 amp 4P, DN SERIES				
b)	2 no MCCB breaking capacity 25 KA 100 amp 3P with suitable neutral link, DN SERIES (seperate netral link is must to be provided)				
6b	Supply, installation, testing & commissioning of wall mounted cubical type electrical panel fabricated with 16 S.W.G. MS 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, GI earth buss 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(gray shade) over the primer and shall have be provided with designation of incoming and outgoing feeder as per details below:-	1	set		
	INCOMING				
(a)	1 no MCCB breaking capacity 36 KA 160 amp 4P, DN SERIES				
(b)	1 set of 160 amp 4 strips aluminium bus bar chamber in separate compartment				
(c)	1no. 0-500V Digital multimeter in a separate compartment & Digital Ammeter and one set of CTs (3no.) with CT ratio 200/5 A with LED type indication lamps with protection fuses in separate compartment				
	OUTGOING				
(a)	4 no MCCB breaking capacity 25 KA 63 amp 3P with suitable neutral link, DN SERIES				
(b)	2 no MCCB breaking capacity 25 KA 100 amp 3P with suitable neutral link, DN SERIES				
7	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored 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 floor/wall and making good the damages etc. complete as reqd. of following sizes:-				

(a)	3.5x50 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (Distribution From Main Switch)	45	per mtr.		
(b)	3.5x25 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (From panel to AC DB,Kit kat& c/o switch)	80	per mtr.		
(c)	4x16 sq.mm. Aluminium conductor with 2 no. 8 S.W.G. GI wire (for light DB,PDB & UPS Panel)	150	per mtr.		
(d)	3x6 sq.mm. Copper conductor (UPS DB's)	120	per mtr.		
(e)	3x2.5 sq.mm. copper conductor (for AC distribution)	90	per mtr.		
(f)	4x4 sq. mm copper conductor(for cassette a.c's)	190	per mtr.		
8	End termination with brass compression glands including providing lugs/ferrules and making necessary connection etc. complete as reqd. following sizes:				
(a)	3.5x50 sq.mm. Aluminium conductor	4	each		
(b)	3.5x25 sq.mm. Aluminium conductor	10	each		
(c)	4x16/3x6 sq.mm. Aluminium/copper conductor	14	each		
(d)	3x2.5 sq.mm. copper conductor	16	each		
(e)	4x4 sq.mm. copper conductor	8	each		
9	Providing and fixing 160A, 4P ON LOAD Change Over Switch with suitable size of angle iron frame suitable for installation on wall/floor including grouting of frame & painting etc. complete as required	1	job		
	UPS DISTRIBUTION BOARD				
10	Providing and fixing 16 S.W.G. MS sheet adapter box, and also base frame for installation of MCB DBs plug and socket arrangement and to cover cables in system room including painting etc. complete	1	sq. mtr.		
11	supply, installation, testing and commissioning of factory fabricated distribution board rust inhibited, powder coated sheet fabricated comprising of incoming and outgoing isolator and MCB's neutral link or neutral bus, top and bottom detachable entry earthing bolts interconnection and grouting bolts etc complete as required as per details below :-				
	(a) 4 way DB comprising of 1 no. 63 amp 4 pole TPN MCB (for UPS input)	3	each		
	(b) 4 way DB comprising of 2 no. 63 amp DPMCB (UPS out put)	4	each		
12	supply fixing, 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 with 20/25 amp SPMCB(For Acs and UPS, record/stationary room)	12	no.		
	(b) 30 amp with 32 amp SPMCB (For UPS)	3	no.		
	(c) 30 amp with 32 amp TPNMCB (For AC's)	7	no.		

13	providing and laying following sizes of PVC insulated copper conductor cable of 1100V in flexible/PVC conduit with accessories such as glands, bends etc. (as per requirement) including making necessary inter connection etc complete as reqd. 2X6 sq.mm with 1 suitable PVC insulated earth wire	70	per mtr.		
14	providing and fixing suitable size of MS box fabricated with 16 S.W.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 5mm Bakelite sheet on base connector strip and painting of box etc complete as reqd	1	job		
	EARTHING				
15	(a) supply and fix copper plate earth station with 600x600x3 mm thick copper plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987. The voltage between neutral & earth must be below 1 volt.	1	set		
	(b) supply and fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories such as watering pipe and funnel and providing masonry enclosure at top with cover plate i/c excavation of pit, supplying and filling of salt charcoal, refilling of pit etc complete as reqd as per IS-3043-1987.	2	set		
16	(a) supplying, fixing & termination of 20x3 mm copper strip with earth station below ground level etc complete as reqd.	3	mtr		
	(b) supplying, fixing & termination of 32x6 mm G.I. strip with earth station below ground level and on wall saddle etc complete	6	mtr		
17	(a) providing and fixing 8 S.W.G. copper earth wire on surface or in recess for loop earthing etc. as reqd.	40	mtr		
	(b) providing and fixing 8 S.W.G. G.I. earth wire on surface or in recess for loop earthing etc. as reqd.	40	mtr		
18	Supply & laying 2mm thick 25 mm dia ISI mark PVC conduit pipe complete with accessories such as bends, junction boxes etc under floor or in recessed walls from copper earth electrode to UPS room for computer dedicated earthing, from GI earth electrode to main panel & UPS panel etc. wherever reqd. Note: flexible pipe not to be used any where.	80	mtr		
	COMMUNICATION				
19	Networking for computer networking starting from mounting rack with UTP CAT-6 cable in 2mm thick 25 mm 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 with tagging i.e. marking on both end of Cat-6 cable with market printed plastic numbering with tray for rack cables complete as reqd. Note: flexible pipe not to be used any where. and maximum cat-6 wires number is 5 from one conduit of 25mm dia.	42	no.		
20	Supply, installation, testing and commissioning of 24-port unmanaged switch 10/100 full duplex complete as reqd.	0	no.		
21	Supply, installation, testing and commissioning of 24-port Patch Panel	2	no.		
22	Supply, installation, testing and commissioning of mounted rack 15" height made of powder coated MS sheet	2	no.		

23	Supply, installation, testing and commissioning of factory made patch cable CAT-6 complete with 2 no. connectors etc. complete as required.				
	(a) 1 mtr. long	42	no.		
	(b) 2 mtr. long	25	no.		
24	wiring for telephone points with 0.6 mm dia 2 pair insulated annealed tinned electrolytic copper conductor in 2mm thick 25mm 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. Note: flexible pipe not to be used any where.	20	no.		
25	Supply & fixing of 10 pair FRP/PVC/Metal junction box with KRONE disconnection module necessary tag for identification	2	no.		
26	supply, installation, testing and commissioning of 20 pair telephone unarmoured cable as required. (Make-finolex/delton/polycab)	80	mtr.		
27	Automatic Programmable Time Switch 24 Hour for Glow sign board, ATM machine, UPS Exhaust fan (Make: L&T or equivalent to Legrand/Havells/Seimens)	3	no.		
28	Supply Installation, testing & commissioning of LED STRIP light with driver and Accessories complete as required (MS CROMPTON or equivalent of WIPRO , PHILLIPS, BAJAJ etc.				
a)	Warm white Cat No. 38389 (M/S Philips)	100	mtr		
b)	Blue Colour Cat No.LST 20 BL(M/s Crompton)	30	mtr		
29	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular socket,modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required.including Circuit Wiring with 2x 2.5 + 1x 2.5 sq.mm.FRLS wire				
(a)	Primary point (light / fan controlled by one switch)	50	no.		
(b)	Two light point controlled by one switch	44	no.		
(c)	One plug point	15	no.		
(d)	one switch controlled by one socket (independent for wall fan)	19	no.		
(e)	1 No -15 Amp socket controlled by 1 No -15 A switch	8	no.		
30	Supply,installation, testing and commissioning of refrigeration pipe including cutting of wall and fixing with suitable saddles or clamps, providing suitable size of sleeves for passing refrigerant pipe from indoor to outdoor unit including making necessary arrangement etc. complete as required. (make-totaline)				
	a) For High Wall A.C. (1.0 & 1.5 Tr) Copper pipe size (1/2" & 1/4")	80	mtr		
	b) HWS/Cassette A.C. (2.0 Tr & 3.0Tr) Copper pipe size (5/8" & 3/8")	230	mtr		

31	Supply & fixing of 25 mm dia hard pipe with 4mm insulation for drain complete with all accessories such as tee, bend cutting chases making good the damages and leak proof joints to avoid seepage in wall/floor etc. complete as required. (Make -astral/diplast/supreme)	175	mtr		
32	Cutting of floor/wall for laying of refrigerant/drain pipe including making good the damages etc. complete as required (excluding the area having ceramic floor tiles, where the chased floor will be got repaired by the firm executing the A.C. work, however, ceramic tiles will be got fixed by the Bank.	40	mtr		
33	Supply and laying of 3 core 2.5 sq mm FRLS copper flexible cable (for HWS AC) Make: Finolex / Polycab / Havells /	90	mtr		
34	Supply and laying of 4 core 2.5 sq mm FRLS copper flexible cable (for HWS AC) Make: Finolex / Polycab / Havells	380	mtr		
TOTAL					
PART- B (SUPPLY OF FIXTURES)					
SN.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1	SITC of 36 watt recess mounted LED Light panel suitable for 2' x 2' modular/gypsum ceiling with assembly complete with including making necessary frames & connections etc. Complete as reqd. (M/s Crompton Cat No. LCTRLN-36-FO-CDL or equivalent of Philips/Wipro/ Crompton)	32	no.		
2	SITC of 5 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/ Crompton)	10	no.		
3	SITC of 15 watt recess mounted LED down lighter with assembly complete with including making necessary connections etc. Complete as reqd. (M/s Crompton Cat No. LCDE-15-CDL or equivalent of Philips/Wipro/ Crompton)	53	no.		
4	Supply of 400/450 mm sweep Metal Body Crompton greaves (or equivalent) SDX BLCK GOLD / SSTROM 2 wall fan etc. 1325 rpm High Flow Model with 2 Pin Plug complete as required. (M/s equivalent of Orient / Havells/Usha)	19	no.		
5	Supply and fixing of LED type fitting 20 watt, 4 feet (M/s Phillips or equivalent of Wipro/ Crompton)	13	no.		
6	Supply and fixing of 15W Philips LED BULB with suitable batten holder (Toilets, Pantry & UPS Room)	0	no.		
7	Supply and installation of 12" size medium duty Metallic body exhaust fan. (Make: Crompton High Flo or equivalent of Khaitan / Bajaj (Necessary framing, wall cutting & finishing to be done by Contractor) (two exhaust in ups room)	6	no.		
8	SITC of 48", 32-36W BLDC Ceiling fan with regulator,hanging hook etc complete as reqd. (M/s crompton or equivalent of Usha/Orient)	3	nos		
9	SITC of 30 watt Street light /Flood light for lighting the front side of the branch(M/s Crompton Cat No. LSTS-30-CDL or equivalent of Philips/Wipro/crompton .	3	no.		
10	Buy back of old cables, wires, panels, copper pipe, switches/sockets/DBs/ Industrial plug and socket arrangement and other old items/appliances related to electrical work.	1	LUMSUM		

11	Buy back Non-inverter Split AC 1.5Ton (bank decision will be final for providing item in buyback) (quantity may increase or decrease)	5	no.		
12	Buy back Non-inverter Split AC 1.0Ton (bank decision will be final for providing item in buyback)(quantity may increase or decrease)	2	no.		
Total - Part B					
TOTAL PART-A					
TOTAL PART-B					
SUB TOTAL					
DISCOUNT(IF ANY)					
TOTAL					
G.S.T as applicable will be paid extra by the bank					
Note: Only two computer points are to be provided on one circuit. Independent circuit for Raw power plug and A.C point is to be provided starting from MCB distribution system. All layout of wiring, cabling, earthing, networking is must for clearing final payment.					

(IN WORDS) RS

NAME OF CONTRACTOR:

ADDRESS OF CONTRACTOR: