	PRICE BID FOR ELECTRICAL WORKS OF STATE BANK OF INDIBILL OF QUANTITIES (ELECTRICAL INSTALLATION)		C AT FEI	ROZEPUR	
S. No.	<u> </u>	Quantity	Units	Data	Amount
5. No.	SUB HEAD 1 (COMPUTER POINTS AND DISTRIBUTION)	Quantity	Units	Rate	Amount
	Supply all materials, receiving, storing, handling, fixing and laying 3 x 2.5 sq.mm PVC insulated				
1.1	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 amp 5 pin				
	modular sockets controlled by 1 no. 5 Amp switch with indicator (to be provided above the table				
	top in partition) connection end terminations with suitable size of glands etc. complete as				
	required. (Only two points can be connected in series with single cable )				
	(Make: Crabtree/North West/MK)				
		18.00	each		
	4 points for CM Cabin, 2 points per officer Seat, per Counter, per N/W Rack and for	10.00	caen		
	Meeting Room as per the drawing provided.				
1.2	As per item 1 above but with 2 no. 16 amp 5 pin modular sockets controlled by 1 no. 16 amp				
	modular switch with indicator including the cover plate.	1.00	each		
2	As per item 1 above but with 1 no. 5 amp 5 pin modular sockets controlled by 1 no. 5 amp		cucii		
_	modular switch including the cover plate. (For T.V on Pillars/ Machines / As per RBO				
	Requirement)	4.00	anah		
2	•		each		+
3	Providing and fixing, testing and commissioning of Heavy Duty modular air-conditioning plug &				
	socket arrangement:				-
3.1	25 amp air-conditioning point modular type socket { to be fixed 1.5 foot below false ceiling }	£ 00	a1-		
	with 25 amp DPMCB C SERIES { to be fixed at Normal Height }.	5.00	each		1
	As per the Plan provided by the Architect for Split A.C.				
4	Supply, installation, testing and commissioning of following capacity 3 pin metal clad industrial				
	type plug and socket arrangement with plug top, cap and chain controlled by under noted capacity:				
	(Make: Havells/HPL/Standard/Legrand/L&T)				
	25 Amp with 25 Amp. DP MCB for A.Cs (for 2.0 TR Cassette AC's)	0.00	each		
5	Circuit Wiring and Point Wiring				
5.1	Circuit wiring from the MCB/MCCB from the Distribution Board to the Switch Board with 2 x 2.5				
	sq.mm + 1.5 sq.mm copper conductor (FRLS) in PVC Conduit concealed/open and making good				
	the damaged surfaces as per direction of the Engineer-in-charge. including the cost of the PVC				
	conduit 2mm thick. At least 9 points of Point Wiring shall required to be connected with				
	single circuit.	14.00	Each		
5.2	Wiring for light point/ ceiling fan point/ exhaust fan point with 1.5 sq.mm FRLS PVC insulated				
	copper conductor single core cable in surface / recessed medium class PVC conduit ISI Mark, with				
	6 Amp modular switch, modular plate, suitable GI junction & switch boxes & clip and earthing the				
	point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
	(Wires Make: Polycab/ KEI/Finolex) (Switches: Make: Crabtree/North-West/MK)				
	(~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
a)	Single 6 Amp Switch controlling 1 light point for T-5, exhaust Fans, Ceiling fan and other seprate				
/	room supply only	20.00	no.		
b)	Single 6 Amp Switch controlling 4 no. downlights / 4 no. LED downlight / 2 no. 2'- 0"x 2'-0" 36		1101		
U)	watt light fittings	30.00	no.		
c)	Single 6 Amp Socket controlling by 5 Amp Modular switch in switch boards etc complete as	30.00	110.		
C)	required	12.00	no		
		12.00	no.		
47	Extension of wall fans:				
d)	Extension of points with 2 x 1.5 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 {to be				
	fixed at Normal Height and 5 amp 5 pin modular sockets { to be fixed 1.5 foot below false				
	ceiling} as per requirement and filling chassis etc complete as reqd.	12.00	no.		
6	Supply and Installation of Points for Wiring for power plug point (Raw Power Point) 16A with 2				
	x 2.5 sq.mm + 1 x 1.5sq.mm copper conductors, including the modular switches, sockets and				
	plates Including the cost of 2mm thick PVC conduits. (Switches: Make: Crabtree/North-West/				
	MK) (Wires Make: Polycab / KEI /Finolex {Two points to be provided per circuit.})				
		12.00	each		
	1 points for BM Cabin, 1 point per seat, 2 for Pantry, 2 for Dining Room, Meeting Room				
	and 2 for Lounge as per the drawing provided.				
7	Providing & laying following sizes of PVC insulated copper conductor cable of 1100 V in			<u> </u>	
	flexible/PVC conduit with accessories such as glands. bends etc.(as per requirement) including				
	making necessary Inter connection etc complete as reqd.				
a)	2 x 6 sq.mm with 1 no. suitable PVC insulated earth wire	30.00	mtr.		
8	Supply Installation, testing & commissioning of factory fabricated distribution board rust inhibited,				
	powder coated Sheet sheet fabricated comprising of incoming & outgoing isolator & M.C.B's				
	neutral link or neutral bus,top and bottom detachable entry earthing bolts Interconnection and				
	grouting bolts etc complete as reqo. as per details below:-				
a)	8 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 6 no. 6/10amp SPMCB's				
4)	"C" SERIES. (for the UPS points each DB to be connected to 12 UPS points i.e only two				
	points shall be connected with one MCB)	2.00	each		
k)	6 way MCBDB comprising of 1 no. 63 amp DPMCB "C"Series and 4 no. 6/10amp SPMCB's	2.00	each		
b)					
	"C" SERIES. (for the UPS points each DB to be connected to 08 UPS points i.e only two		a1.		
	points shall be connected with one MCB)	1.00	each		

S. No.	Item	Quantity	Units	Rate	Amount
	4 way TPNDB comprising of 1 no. 100 amp 4 pole isolator and 6 no. 25 amp DPMCB (for				
	A.Cs). DPMCB must be of C Series.	1.00	each		
	4 way TPNDB comprising of 1 no. 63 Ampere TPN MCB "C" Series and 6 nos. 16 amp and 6 nos. 10 amp SPMCB "C" Series. (For Power Point Circuits).	1.00	each		
	4 way TPNDB comprising of 1 no. 63 Ampere TPN MCB "C" Series with 30 mA ELCB and 12		cacii		
	nos. 6/10 amp SPMCB "C" Series. (For Light Point Circuits).	1.00	each		
	4 way DB comprising of 1 no. 100 amp 4 pole Isolator (for UPS I/C)	1.00	each		
	4 way DB comprising of 2 no. 32 amp DPMCB "C" Series .(UPS O/G) Supply, fixing and testing of following 3 pin metal clad industrial type plug & socket arrangement	2.00	each		
	with plug top cap & chain controlled by 1 No. MCB (Make: Havells/HPL/Standard/				
	Hager/Legrand/L&T)				
	20/25 amp with 20/25 amp SPMCB { <b>UPS O/G</b> }	4.00	no.		
	32 amp with 32 amp SPMCB { UPS I/C } Providing, fixing, testing and commissioning of 15 Amp Power Point modular type socket with 25	3.00	no.		
	amp DPMCB C SERIES along with Plug or the rooms so that the supply is connected only when				
	the plug is inserted in the socket outside the rooms for fire safety. {1 each for Record Room }				
		2.00	no.		
11	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	1			
	painting of box etc complete as reqd.	1.00	job		
	TOTAL SUB-HEAD -1		Ĭ		
	SUB HEAD 2 (PANELS & CABLES)				
	Providing & fixing 3 No. 200 amp kitkats (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		
-	MAIN PANEL	1.00	Joo		
	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 no MCCB Breaking Capacity 36 KA 200 Amp 4P , Model-DU250 Series, L&T make				
b)	1 no 0 -500V digital Voltmeter in separate compartment and digital Amp meter and one set of				
	CTs (3 Nos) with CT Ratio 350/5 A with LED type phase Indication Lamps with protection fuses in a separate compartment				
c)	1 set of 300 Amps capacity 4 strips Aluminium bus bars chamber				
	OUTGOING				
a)	1 nos MCCB Breaking Capacity 36 KA 160 Amp 4P, and 2 nos MCCB Breaking Capacity 10KA				
	100Amp 3P with seprate neutral Link, DU Series, L&T make.  1 for A.C	1.00	set		
3	ESSENTIAL 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)	160 amp MCCB 4 pole with 36 KA breaking capacity at 415 Volts/ HIGHEST AVAILABLE.				
b)	1 set of 200 amp TPN aluminium busbar chamber				
c)	1 no. 0-500 V Voltmeter with selector switch in a separate compartment and amp meter with				
	selector switch and one set of CTs (3 no.) with CT ratio 200/5 A with LED type indication lamps				
	with protection fuses in a separate compartment  OUTGOING				
a)	4 No. 100 AMP 3 pole MCCB, 3 No. 63 AMP 3 pole MCCB (MCCB'S WITH 25KA				
	BREAKING CAPACITY at 415 Volts.) (For A.C D.B, UPS, Light & Power Points)	1.00	set		
	In Panel for All MCCBs connected the interconnections must be with solid Bus Bar only.				
4	Supply, installation, testing & commissioning of PVC insulated PVC sheathed armored cable of				
4	Supply, installation, testing & commissioning of PVC insulated PVC sheatned 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:- (Make: Polycab / KEI/Finolex)				
	3.5 x 70 sq. mm aluminum conductors armoured cable with two Nos. 8 SWG GI wire (from the	1			
	mains to the Main Panel) 3.5 x 50 sq.mm aluminum conductor with two Nos. 8 SWG GI wire (from the genset to the	50.00	per mtr.		
0)	Change over and from change over to the essential panel, from the Meter to the fuse to the	1			
	Change Over.)	70.00	per mtr.		

S. No.	Item	Quantity	Units	Rate	Amount
	3.5 x 25 sq.mm. aluminium conductor with 2 no. 8 S.W.G G.1. wire (from Essential panel to				
	the AC DB -3, UPS I/C-2, Heating D.B -1 )	90.00	per mtr.		
d)	3 x 6 sq.mm copper conductor (for UPS DB)	80.00	per mtr.		
e)	$4 \times 10$ sq.mm. aluminium conductor with 1 no. 8 S.W.G. G.1. wire (from the Essential panel to the Lighting DB -1)	70.00	per mtr.		
f)	3 x 2.5 sq.mm. copper conductor (for the Air-conditioning wiring)	140.00	per mtr.		
5	End termination with Brass compression glands including providing lugs/ferruls and making				
	necessary connections etc. complete as reqd. of following sizes:-				
a)	3.5 X 70 sq.mm aluminum conductor	2.00 4.00	each		
	3.5 X50 sq.mm aluminum conductor 3.5 X 25 sq.mm aluminum conductor	10.00	each each		
d)	3 X6 sq. mm Copper conductor	10.00	each		
e)	4 X 10 sq. mm aluminium conductor	4.00	each		
f)	3 X2.5 sq. mm Copper conductor	22.00	each		
6	Providing & fixing suitable size of angle iron frame suitable for installation on wall/floor including				
	grouting of frame &painting etc. complete as reqd. comprising of the following: (Make: Havells/HPL/Standard/ Legrand/L&T)				
a)	1 NO.4 pole 200 amp capacity changeover switch.	1.00	job		
	Providing & fixing 16 S.W.G.M.S.sheet adaptor box, and also base frame for installation of				
	M.C.B.D.B.s plug & socket arrangement and to cover cables in system room including painting				
	etc. complete	2.00	sq.mtr.		
	TOTAL SUB -HEAD 2 SUB-HEAD 3 (EARTHING)				
1	Supply & fix copper plate earth station with 600x6000x3 mm thick copper plate including 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 complete as reqd				
	as per IS 3043-1987. The voltage between neutral & earth must be below 1 volt. ( For the Branch UPS )	1.00	4		
2	Supply & fix G.I. plate earth station with 600x600x6 mm thick G.I. plate including all accessories	1.00	set		
	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 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 bothe panel body and the ups base panel) [1	2.00			
	FOR NUETRAL EARTHING and 1 FOR BODY EARTHING] Chamber for the earthing shall be available at site without it the earthing cost shall not be	2.00	set		
	paid for all the Earthings. You are also required to provide picture of earthing taken at the				
	time of execution of the same.				
3	Supplying and laying 20 mm X 3 mm copper strip at 0.50 meter below ground as strip earth	<b>7</b> 00			
4	electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required  Supplying, fixing & termination of 20 mm X 3 mm GI strip with earth station below ground level	5.00	per mtr.		
4	and on wall saddle etc complete as reqd.	10.00	per mtr.		
5	Providing & fixing 8 S.W.G Copper earth wire on surface or in recess for loop earthing etc. as	20100	P v · · · ·		
	reqd.	50.00	per mtr.		
6	Providing & fixing 8 S.W.G G.I. earth wire on surface or in recess for loop earthing etc. as reqd.	100.00			
7	Supply & laying following dia 2 mm in thickness PVC pipe under floor or in recessed walls from	100.00	per mtr.		
/	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 reqd.				
a)	25mm	80.00	per 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				
	with ferruling & all networking accessories etc. complete as required.(Make: D-Lipk/MOLEY/AMP/COMMSCOPE)	17.00			
	LinK/MOLEX/AMP/COMMSCOPE).  3 points for BM Cabin, 2 points per seat and 1 in Hall for TV as per the drawing provided.	17.00	no.		
	2 points 191 2012 Culoing a points per seat and 1 in 11am 191 1 v as per the drawing provided.				
2	Supply, installation, testing and commissioning of 24-port Patch Panel	1.00	no.		
3	Supply installation, testing and commissioning of mounted rack 12U height made of powder				
4	coated MS sheet.	1.00	no.		
4	Supply, fixing and commissioning of patch cable Cat-6 complete with 2 no. connectors etc. complete as reqd.				
a)	2m long	20.00	no.		
b)	1m long	10.00	no.		
5	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. (Make: Dglink/KEI/Finolex) (2 Point for BM, 1				
	Point per seat amd 1 in Pantry)	9.00	no.		
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S. No.	Item	Quantity	Units	Rate	Amount
6	Supply, fixing and commissioning of 20 pair tag Block Box i.e FRP/PVC/Metal junction box with				
	KRONE disconnection module necessary tag for identification for the telephone points. (box and	4.00			
_	strips Krone make)	1.00	no.		
7	Providing, Laying, testing & commissioning of 20 pair telephone cable from outside govt. / bsnl	20.00			
	DB to Rack for lease line, ISDN of Make: Delton, finolex, polycab.  TOTAL SUB -HEAD 4	30.00	per mtr.		
	<u>SUB-HEAD 5 (AIR CONDITIONING PIPING WORK )</u> 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 /				
1	ARMAFLEX suction line. Multi-runs between Indoor & Outdoor units shall be considered as ONE				
	length for the purpose of measurement.				
a)	1/4" + 1/2" Refrigerant Copper piping - For Hiwall Split AC's (1.0Tr / 1.5Tr)	110.00	per mtr.		
	5/8" + 3/8" Refrigerant Copper piping – For HWS/Cassette AC ( 2.0Tr / 3.0Tr)	0.00	per mtr.		
_	Supply and laying following dia 3.38mm (confirming to ASTM D1785 standard) in thickness,	0.00	per man		
_	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 (Make: Diplast/Supreme)				
		170.00	per mtr.		
3	Electrical flexible cable of 4 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.(Make: Polycab/ KEI/Finolex)	220.00	per mtr.		
	TOTAL SUB -HEAD 5				
	SUB HEAD 6 (SUPPLY AND INSTALLATION OF FANS AND FIXTURES)				
1	SITC of 2"x2" Celing 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 reqd.				
	Make Philips cat. RC 380 B- LED-30-6500PSE OD WH or equivalent of Wipro / Bajaj.				
		25.00	no.		
2	SITC of 15 watt LED fixtures /dowlighters 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 reqd. Make Phillips cat no.				
	DN - 192 - 1000 or equivalent of Wipro / Bajaj.	27.00	no.		
3					
	SITC of 5 watt recess mounted <b>LED down light</b> with assembly complete with including making				
	necessary 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/Wipro/Bajaj)	10.00	no.		
4	SITC of 18 watt of 4 feet long T5 LED fixtures directly on ceiling / wall including 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.	12.00	no.		
5	Supply of 450 mm sweep Metal Body Crompton greaves (or equivalent) SDX BLCK GOLD /	12.00	110.		
5	SSTROM 2 wall fan etc. 1325 rpm High Flow Model with 2 Pin Plug complete as required. (M/s				
	equivalent of Bajaj / Havells/Usha)	12.00	no.		
6	LED Strip / profile light (4.5/5 watt) for cove (M/s Phillips /Wipro / Crompton ) Complete in all				
	respects with suitable drivers	120.00	per mtr.		
	SITC of 1200 mm CEILING fans complete as reqd. (M/s Crompton High Breeze or equivalent of				
	USHA / Bajaj).	3.00	no.		
8	SITC of 200 mm metal body exhaust fans complete with self opening louvers / shutters including				
	necessary frame etc, complete as reqd. (M/s Crompton High Breeze or equivalent of USHA /				
	Bajaj)	4.00	no.		
9	SITC of 30 watt LED 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 .	2.00	no.		
	TOTAL SUB - HEAD 6				
	TOTAL SUB-HEAD- 1-5 (A)				
	TOTAL SUB-HEAD- 6 (B)				
	TOTAL (A+B)				
	GST shall be paid extra as applicable				
	GST shan be paid extra as applicable				<u> </u>