



**PREMISES DEPARTMENT  
ZONAL OFFICE KANPUR**

**TENDER DOCUMENT  
ELECTRICAL WORK IN NEW PREMISES OF  
INDIAN BANK – SWAROOP NAGAR BRANCH,  
DISTRICT – KANPUR NAGAR**

**PART II – FINANCIAL BID**

**Ref.No** : ZOK:PRM:2023-24:03  
**Date** : 04/05/2023

<b>Last date for submission of Bid</b>	24/05/2023 upto 15:00 HRS at Indian Bank, Zonal Office, Premises Department, 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-Square Mall, Kanpur - 208001
<b>Date of Opening of Technical Bid</b>	24/05/2023 at 16:00 HRS Indian Bank, Zonal Office, Premises Department, 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-Square Mall, Kanpur - 208001
<b>Date of Opening of Financial Bid</b>	To be intimated separately to the Firms Qualifying in Technical Bids



**BOQ FOR ELECTRICAL WORK IN INDIAN BANK SWAROOP NAGAR BRANCH**

S.NO	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE PER QUANTITY (Exclusive of GST)	TOTAL AMOUNT (Exclusive of GST)
			X	Y	Z=X*Y
<b>1</b>	<b>ELECTRICAL WIRING WORKS</b>				
1.1	Supply,laying,connection & testing of light, fan point, wiring by 2x1.5 sq.mm +1x1 sq.mm PVC insulated, multistrand single core copper conductor FRLS wire maintaining the colour code as per direction in PVC conduit of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawing including 3 point ceiling rows wherever required GI saddle to be used for fixing, metal flexible/PVC flexible pipe may use if required in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe, light, fan & plug point complete with modular type switch plate & MS box . rate Including the main circuit line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire from DB to switch board ,maintaining the colour code. Circuit line for lighting switch board & 6Amps plug board are to be drawn from lighting DB to Lighting board & plug point board (independent ), 6/16 Amps plug point line are to be draw from power DB.as per DB schedule /SLD				
a)	1 light by 1 switch (ATM 1 No),UPS Pt 3 In branch 1 in ATM	Nos.	40		
b)	2 light by 1 switch	Nos.	28		
c)	Ceiling fan point with step type electronic regulator	Nos.	10		
d)	Same as above, but for exhaust fan excluding regulator.	Nos.	5		
e)	Same as above 5A Point in the switchboard itself. (for branch 4 No & ATM 1 No)	Nos.	15		
f)	Same as above Wiring for Call-Bell point including buzzer	Nos.	1		
g)	Wiring (2x2.5mmsq+1x1.5mmsq from power DBs) for independent 6A multi pin socket at walls along with 6A modular type switches board housed in painted MS box (For Wall Fan)	Nos.	15		
1.2	Single Power Points - Supply & Installation of Circuit Wiring (Single 6A power Points) : Supply & laying of circuit wiring for 6 Amp. Switch points with 2 x2.5 + 1x 1.5sq.mm FRLSH (Fire Resistant low smoke Halogen) Cu stranded wires laid in 20mm conduit pipe concealed in wall/ floor/ panelling/ partitions as per requirement. The job shall be complete & to the entire satisfaction of the Bank.t. The earth wire of green color only. All switch & sockets shall be modular type complete with cover plate & GI/ MS box. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 600mm interval & finally finishing the surface & matching the same with the existing surface. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank.	Nos	18		

1.3	Supply and installation modular type 16A/20A, 5-pin socket with 16A/20A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer , the rate shall include wiring fusing 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories (for line printer : or optional). C.C :1No. BM.:1 No.; Alternative counter; 2No ; Banking Hall :1 No ; Pantry : 1No ; ATM :1No)	Nos.	12		
1.4	Strong room controlling DP MCB at entry gate outside of strong room - Circuit wiring with 2x2.5sq.mm + 1x 1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Havells) to be laid in 19mm M S conduit pipe heavy duty 16swg laid & concealed in wall/ floor/ paneling/ partitions or above false ceiling as per requirement. The electric wiring should be arranged separately for the Strong Room and it is to be connected to a plug outside. The job also includes supply & fixing of 25A DP MCB in 2way box including connections with lugs. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	Set	1		
1.5	<b>ACs ELECTRIFICATION</b>				
a)	Circuit wiring with 2x4.0sq.mm + 1x 1.5sq.mm FRLS Cu stranded wires (Finolex/ Anchor/ Havells ) to be laid in 19mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions as per requirement. The job includes Supply & Fixing of 32A 3 Pin Modular Socket with 32A one way MCB type switch with indicator including proper connections or any equivalent approved by Architect. The job shall be complete & to the entire satisfaction of the Bank. Please note that no 3 pin socket should be provided near IDU of AC and all the control along with the stabilizer must be placed in the panel room. (For Cassette AC Unit 2 Tr)	Nos	4		
b)	Circuit wiring with 2x4.0sq.mm + 1x 1.5sq.mm FRLS Cu stranded wires (Finolex/ Anchor/ Havells ) to be laid in 19mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions as per requirement. The job includes Supply & Fixing of 25A 3 Pin Modular Socket with 25A one way switch with indicator including proper connections or any equivalent approved by Architect. The job shall be complete & to the entire satisfaction of the Bank. Please note that no 3 pin socket should be provided near IDU of AC and all the control along with the stabilizer must be placed in the panel room.(For Split AC 1.5 Tr / 1 Tr)	Nos	4		
<b>2</b>	<b>CABLES</b>				
2.1	Supply, Laying, Testing and Commissioning of 1.1 KV grade XLPE Insulated Armoured Aluminium / Copper Conductor Cable of the following size, including laying, fixing, cable trays on wall including clamping. Civil works, etc as per IS-7098 Part 1. The scope of work include supply and laying 2 runs of 8 SWG GI Wire along with cable. This also includes cables end termination using appropriate Lugs, Glands, termination				



	accessories, Clamps etc				
a	3.5C x 50Sq.mm Aluminum Cable (Meter Panel to Main Panel )	Meter	15		
b	4C x 25 Sq.mm Aluminum Cable (Genset to Main Panel )	Meter	20		
b	4C x 25 Sq.mm Aluminum Cable (AC DB)	Meter	15		
c	4C x 16 Sq.mm Aluminum Cable (Light + Power DBs)	Meter	30		
2.2	Supplying all materials and laying/ pulling 1100 volts grade PVC insulated copper conductor wires (FRLS-H) in PVC conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor / ceiling level to original.				
a	2 X 10 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	Meter	15		
b	2 X 6 sq.mm. + 1 X 4 sq.mm.	Meter	30		
<b>3</b>	<b>GLOW SIGN BOARD WIRING</b>				
3.1	Supply laying of main line with 2x2.5 +1x1.5 sq.mm through MS conduit from main panel to glow sign board.	Meter	20		
3.2	Supply installation of 16 amps DP MCB at main entrance Glow sign board & With Electronic timer as required.	Set	1		
<b>4</b>	<b>EARTHING WORK</b>				
4.1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of Copper bonded rod / Galvanized JK Chemrode 10 feet length, 25 mm dia. (Minimum copper bonding shall be 0.25mm) filled with highly conducting metallic compounds with permanent sealing at both the ends with lead terminal including bore well, chamber with cover and all required civil allied works, earth pit to be filled with 2 bags of 25 kg pack of Back Fill Compound (Earth Enhancement Material). The rate should be inclusive of Rod-to Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill). The job also includes wiring with 1 x 10 sq.mm PVC insulated copper conductor wire of 650 / 1100 Volt grade (Finolex, Polycab Make) upto 10 m as earth wire with concealed / exposed GI pipe including making all the connections with guaranteed E/N voltage of less than 3 volts and resistance less than 1 ohms.	Set	5		
4.2	Supplying, laying and fixing of 10 sq mm copper pvc insulated wire covered with GI Pipes from earthing plate to main panel, if required beyond 10m	Meter	30		
<b>5</b>	<b>MAIN ELECTRICAL DISTRIBUTION</b>				
<b>5.1</b>	S/F of 3 nos. 200Amps Kit Kat set link type with heavy duty neutral link and making its connection from electronic meter c/w wooden board etc.	Set	1		

5.2	<b>Main Panel (WALL MOUNTED TYPE)</b>				
	Supply, fabricating, assembling, internal - connection, testing & connecting with incoming, outgoing power cables & lines as required to complete the job of cubical type electrical panel made from 14SWG CRC. M.S. sheet with proper earthing terminal(Nut- bolt &washer) 02 No. outside of panel, same nut- bolt to tighten with internal earth busbar of panel situated inside loose wire box(on top portion of panel) On top side of panel cable entry arrangement to be done for incoming & outgoing of lines. Painting powder coating electrical grey/ seimens grey to be done. One 6"x4" enamel type 440Volt Danger board to fix up on main panel bus-bar cover, components are as follows :- All switches are front handle operated & all MCB knob should be visual, all component to provide in separate compartment only DBs in one compartment.	Set	1		
	Incomer - 125 A 4P MCCB 25Ka with adjustable thermal & Magnetic trip unit -1 Nos				
	OUTGOINGS -				
	<b>100 Amps 4 pole MCB. = 04 Nos.(AC &amp; Power DB,ATM ,UPS,spare )</b> <b>63 Amp 4 Pole MCB :2 nos (Lighting DB,Spare)</b> <b>25 Amps DP MCB = 02 Nos.( sign board , Fire Alarm)</b> <b>Amps Meter 0-100 Amps with 3 Nos. CT &amp; selector switch 96x96mm</b> <b>01 Set 100A Changeover should be ON-LOAD type.)</b>				
	<b>100Amps 4pole Cu. Bus Bar. 01 Set.</b> <b>100Amps 4 pole Change over switch. 01 No.</b> <b>100 Amps FP MCCB 25KA as Gen - Set main incoming 01 NO.</b>				
	Volt meter 0-500volt A.C. 50 Hz.96x96mm with selector switch. AE make.n 01 Set				
	20mmdia LED indicator lamp 03 Nos.				
	02 Amps Sliding Fuse. 06 Set.				
	150x100mm enamel <b>Danger</b> board 440 volt. (to set on bus bar cover). 01 No.				
	Cable entry from top & bottom - removable gland plates (bottom at 2 points) c/w powder coated Grey paint (two coats) with name labels for all incoming & outgoing feeders. The panel shall be complete in all respects including all accessories such as earthing bus, Air ventilators, lifting hooks etc.				
5.3	Supply, installation, testing & commissioning of VTPN Db double door with MCB as incomer IP 42 complete in all respects for AC, PP and L & F as under - Siemens/ L & T / HAVELLS / ABB. Use 'B' Curve MCBs for lighting and small power circuits and 'C' curve for UPS Db's. All connection to be terminated through lugs (Includes Neutral Bar)				
a	AC DB	Set	1		
	4 Way TPN MCB DB				
	63A 4P MCB 10kA as incomer				
	32A SP MCB - 4 Nos & 25A SP MCB - 2 Nos) in Outgoing				

b	Light DB (For Light and Fan Points) 6Way TPN MCB DB 63A 4P MCB 10kA as incomer 6A / 10A / 16A SP MCB as per requirement in Outgoing	Set	1		
c	Power DB (For 6A/16A Raw Power Points) 4Way TPN MCB DB 63A 4P MCB 10kA as incomer 6 Nos 10A/16A/25A 10kA SP MCB outgoing	Set	1		
d	ATM DB 4 Way TPN DB 63A FOUR POLE Isolator as main (incomer) 40A 3 POLE MCB 2 NOS (for UPS-1 & Power & Lighting -1Nos) 2 Nos 25A SP MCB outgoing for AC ; 1 No 32A DP MCB for UPS ; 2 Nos 10A SP MCB for Light / Fan / Glow Sign Board ; 1 Nos 10A SP MCB for Power	Set	1		
<b>6</b>	<b>UPS SYSTEM (Branch + ATM)</b>				
6.1	<b>UPS Main DB</b> Supply, erection, testing and commissioning of three phase 4 WAY, TPN MCB DB double door type with "C" Curve MCBs, IP 42 powder coated for UPS with 63A 4P MCBs - 1No as INCOMER 32A TP MCBs - 3 Nos. as OUTGOING (UPS :2Nos and 1 set ,Spare Including all interconnections & accessories etc Make standard/Legrand/ABB	No	1		
6.2	Supply & Fixing of 63A / 40A DP MCB in 2way SPN Db IP 20 metallic directly on wall Raw power Incoming & OutGoing supply for UPS	No	4		
6.3	Supply and Installation of Modular type 2 X 25A plug & socket housed in for UPS output control (Branch 2 Nos & ATM 2No.)	No	4		
6.4	UPS Output Power Distribution System: SITC of 12 Way SPN MCB DB with 'C" curve MCBs. Incoming : 2 No. 40A DP MCB Outgoing : 8 Nos 6/10A ( BM: 1+1 Nos with lighting : Server & Data Rack (1+1) Nos:C.C 2Nos with lighting :counter :2 Nos) SPO MCBs Make standard/Legrand/ABB . Respective UPS lighting to be connected.(BM,C.C,Banking hall 2Nos) or as per SLD	No	1		
6.5	UPS Output DB for ATM : SITC of 8Way SPN MCB DB with 'C" curve MCBs. Incoming : 32AMP DP MCB. Outgoing : 10A SP MCB 1 NO FOR UPS LIGHT, 16A SP MCB 2NOS FOR ATM , 1 No16A MCB FOR CCTV power point	No	1		
6.6	Supply & fixing of 3nos. 6A switches 1 module & 3nos. sockets 2modules Modular type complete with GI Box, Cover plate etc. The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor/ panelling/ partitions (Without damaging the building/wall) & finally finishing the surface & matching the same with the existing surface. The job shall be complete & to the entire satisfaction of the Bank. & include Wiring for computer terminal points with 3 x 1.5sq.mm Fire Resistant Low Smoke Halogen stranded Cu.wires to be laid in 20mm OD PVC conduit or 1" vertical drops heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. -From UPS - SPN Db - circuits for computer	No	21		

	stations. (Please Note that 2 Nos. 6 amps. 5 pin modular type sockets and 1 no 16A 5 pin modular type socket, one 6A modular switch & one 16A modular switch with all accessories, inner/ outer plates, metal box etc. is to be provided near the Server rack & CCTV Rack)				
6.7	Input Wiring for UPS Db's with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank. (BRANCH + ATM)	Job	1		
6.8	Wiring for UPS Input & UPS Output with 2x4.0sq.mm + 1x 1.5sq.mm stranded Cu. conductor to be laid in 19mm PVC pipe heavy duty/ Flexible pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc. The job shall be complete & to the entire satisfaction of the Bank. (BRANCH + ATM)	Job	1		
6.9	Supply, installation, testing and commissioning of 63A rated 3 phase to single phase auto phase shifter for 6.0 KVA UPS (SLHD of Swift / Havells make)	Nos	1		
<b>7</b>	<b>ELECTRICAL FIXTURES</b>				
7.1	Supply and Installation of Recess mounted 2'-0"X2'-0" size ,36 W LED FULL GLOW PHILIPS / CROMPTON / HAVELLS Make . Light should be fixed through SS threaded bolt tighten the upper end on ceiling using anchor bolt and lower end on Light fitting with nut and bolt	Nos.	34		
7.2	Supply, Installation, testing and commissioning of single coloured , 5 meter LED light strip of 5W per meter complete with necessary drivers, all accessories and etc for cove lighting in False Ceiling, Panelling, Counters (Philips /Crompton) including connection & mounting arrangement as required w.r.t site conditions.(Fitting and drivers shall be of IP20 protection class)	Set	20		
7.3	Supply and Installation of LED Square Type Downlighter of 12W (Philips / Crompton / Havells)	Nos.	46		
7.4	Supply and Installation of 20W Batten Type Tubular LED Light of 4feet Length with LEDs, Driver, Diffuser and other accessories complete at the suitable place as directed by Architect / EIC	Nos	14		
7.5	Supply & installation of 400mm / 450 mm <b>Metal Wall Mounting Fan</b> (High speed) and <b>with Aluminium Blades</b> having thermal overload protection and 100% Copper Winding with 2 Years OEM Warranty. Make - Crompton Greaves / Havells /Orient Electric (to be supplied after consultation with architect/Electrical Engineer as per	Nos.	14		



	approved drawing).				
7.6	Supply of Ceiling fan with 1200mm sweep, double ball bearing motor, capacitor, three MS blades die cast Al housing in stove enameled white with, suspension rod including all accessories of approved make.(5 star rated) (ORIENT/ Crompton / Havells ).(UPS,Strong room & Store room)	Nos.	10		
7.7	S/F of angle holder for bulbs including cost of 12W LED Bulb for Toilets	Nos	2		
7.8	S/F Heavy Duty Exhaust Fan 450mm with all the accessories complete as per Bank's Instructions in UPS room	No	1		
7.9	Supply & Fixing of fresh air fan 12" - Crompton Greaves / Usha/ POLAR / Bajaj	No	3		
<b>8.0</b>	<b>TELEPHONE WORK</b>				
8.1	Wiring for telephone points with 2 pair 4/5 pair .51mm dia ATC ( annealed tinned Cu wire) with PVC insulated PVC sheathed telephone cable from tag block to the point including providing ferrules at both ends and termination at both ends including providing & fixing RJ 11 outlet, faceplate and mounting box complete of modular type 9 where 2 such points are shown, 2 such wires shall be provided) This work includes providing PVC conduits in chases from the raceway to the point with separate RJ11 Box of Havells Make	Nos.	10		
8.2	Supplying, laying effecting terminations, testing and commissioning of 0.51mm dia Cu. Conductor, twisted, colour coded with polythene barrier, telephone cables in the existing tray or in conduit including providing & fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
a	0.5mm , 5 pair armored telephone cable from telephone connection in the premises to the crone box.	Meter	6		
b	Supplying & fixing 20 pair krone tag block with enclosure.	Nos.	1		
<b>A</b>	<b>TOTAL AMOUNT</b>				
<b>B</b>	<b>GST AMOUNT (..... %)</b>				
<b>C</b>	<b>GROSS AMOUNT INCLUSIVE OF GST (A+B)</b>				

**GROSS AMOUNT IN WORDS :**

Rupees.....only

Place:  
Date:

Signature & Seal of the Tenderer