

Ref: CHF:339:7057:2020

Date: 06.11.2020

SUBJECT : ISSUE OF TENDER -ELECTRICAL WORK OF JALANDHAR NIT BRANCH.

NAME OF THE VENDOR :

NAME OF THE WORK :	Electrical work to be carried out at Jalandhar NIT Branch
ADDRESS OF THE BRANCH OFFICE & CONTACT PERSON & NUMBER	Jalandhar National Institute of Technology-144011 Branch Manager – Tel No. 0181-2690233, 8725079326
PROJECT TO BE COMPLETED	Within 15 days from the date of receipt of work Order or handover the site, whichever is later.
LIQUIDATED DAMAGES FOR NON-COMPLETION OF WORK IN TIME:	Rs 800 per day Subject to a max of 10% of the contract value.

Dear Sir,

We are issuing tender form for the Electrical Work at our Jalandhar NIT branch as per address given above. You are requested to submit the same in closed envelope to us at the earliest on or before **16.11.2020 up to 02.00 PM.**

Before submitting the tender, you are requested to read the instructions carefully as mentioned below:

1. Tenderers are advised to inspect and examine the site and its surrounding and satisfy themselves before submitting their tenders.
2. All the rates quoted by the contractor shall be for complete finished work including cost of all labour, materials, scaffolding, finished at site as required with tools, plants, lead, lifts, cartage etc. all work shall be executed as per specifications and instructions of Bank/Architect and shall include the supply and installation at site of all the equipment, ancillary materials as specified and all such items what so ever which may be required to fulfill the intent and purpose as laid down in the specifications.
3. All execution of works & materials should be as per tender specifications. **Materials for which specification is not given in tender in that case prior approval from the bank.**
4. **Vendors/ Sub contractors are strictly advised not to use sub standard materials. And if and sub standard material is used or found then a penalty of two times the difference in cost of standard material less sub standard material must be collected from the vendor/ sub contractor. i.e.; Penalty= 2x(Cost of Standard Material- Cost of Sub Standard Material) or bank have the right to hold the cost of that particular item and entire amount of the project will not be paid.**
5. **It is the prime responsibility of the vendor/ sub contractor to deposit appropriate taxes to The Government. The bank will not be liable due to tax evasion by the vendor/ sub contractor in this regard. The vendors/ Sub contractors must quote their rate including all taxes and duties except service tax as mentioned in Clause-6.**

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Premises & Estate Section
Circle Office
Plot No. – 1, Sec-34 'A'
Chandigarh – 160022

परिसर एवं सम्पदा अनुभाग,
अंचल कार्यालय,
प्लॉट सं. -1, सेक्टर 34- 'ए'
चंडीगढ़ - 160022

Telephone: 172 2604258, 2647923
Fax : 172 2604268, 2666153
E-Mail : pecochd@canarabank.com
website : www.canarabank.com



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6. Rates shall include taxes, duties etc. including VAT, Sales Tax, Octroi, Excise Duty or any other tax on material or on finished works like work's contract tax, turnover tax, income tax, etc, as applicable till completion of work in respect of this contract shall be payable by contractor and the Bank will not entertain any claim whatsoever in this respect, **(GST WILL BE PAID EXTRA)**. Income tax shall also be deducted as per statutory instructions, from all payments due to the contractor(s).
7. **No advance or running payment will be paid to Vendors/ Sub Contractors. Payment will be released after satisfactory completion of work and measurement.**
8. The bank does not bind itself to accept the lowest or any tender other than lowest or to give any reason for its decision for acceptance or rejection of tender.
9. The bank further reserves to itself the right of accepting the tender whole or in part and tenderers shall be bound to perform the same at their quoted rates. Also the quantities of items can be increased or decreased as per requirement of the Bank. However, no claim on this ground shall be entertained by the bank.
10. All corrections and over-writings shall have to be initialed by the tenderers. Efforts to be made to avoid overwriting.
11. Incomplete and conditional tenders shall be summarily rejected.
12. Contractor shall be responsible for all Electrical defects up to a period of twelve months from the date of payment of final bill.
13. Bank shall not be responsible for any loss or damage to the contractor due to any reason or due to any act of God during the course of Electrical work. Contractor shall be liable to make good all the damages, if any till the work is completed and handed over to the Bank Authorities.
14. Payment shall be released after verification of the bill by the Architect and final checking of the work done by the Premises Section. 10% of the final bill will be kept as Retention Money from the date of final payment of bill for 12 months.
15. The contractor must comply the labour law & other applicable local by-laws.
16. While submitting the final bill vendor should submit some photographs of the Electrical works.
17. **The vendor must possess GST registration number at the time of tender submission. Tenders without GST registration number will be rejected.**

Yours faithfully,



ASSISTANT GENERAL MANAGER



BOQ FORELECTRICAL WORK AT CANARA BANK, JALANDHAR NIT BRANCH

B	ELECTRICAL WORK	Quantity	Unit	Rate (Rs.)	Amount
S No.					
1	Design, Manufacture, Supplying and Commissioning Main LT Panel MS 3' X 4'Distribution Board of 1.6mm thick MS sheet fabricated cubicle type with Danger Notice Board indicating sign (DANGER) in English, Hindi, Pinjabi. , wall mounted fully recessed / partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming and out going connections with inter connections with copper tapes /wires consists of following:- (i) A cubical having 100 Amps HRC fuse -3 nos, 100 Amps TPN(Before bus bar) breaking current 20KA, 100 Amps TPN Bus Bar(Copper Tinned), voltmeter, ammeter & Digital power factor meter , three indicators, C.Ts. with selector switches & backup fuses (HRC type) (ii) 100 Amps 4 Pole Heavy duty on load change over switch-1 No. (iii) 63 amps 3 phase and neutral 6 way lighting D.B. with suitable rated 6/10/16 Amps SP MCB-8 Nos(for switch board wiring)., 32/40Amp DP MCB-3 Nos.(1 for ATM UPS i/p, 2 Spare) (iv) 63 Amps 3 phase & neutral 6 way power DB with suitable rated 32/40 Amps DP MCB-9 Nos. (7 for AC ckt 2 spare) 20 Amps SP MCB-10 Nos (8 nos for 16A plug point each separate wiring, 1 for glow sign, 1 spare) (v) 63 Amps FP ELCB-1 Nos. for LDB & 63 Amps FP ELCB-1 No. for PDB, ELCB of 30MA having 30 m Sec. Sensitivity (Complete as per technical specifications and including earthing of each Electrical equipments) (vi) LT Panel labeling using aluminium strip for section wise load distribution (Complete as per technical specifications and including earthing of each Electrical equipments)	1	EACH		
2	3 Phase to single phase selector switch of 40ampere for UPS supply line. This selector switch to be connected in main panel after 63 Amps TPN ELCB -1No. For UPS input circuit from where UPS input wire is to be derived. Basic purpose of this selector switch is to select the any of the R, Y, B phase for UPS input supply line in case of any particular phase failure.	1	EACH		
3	Wiring for light points with 2x1.5sqmm and PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe, including by 5 Amp piano type modular switch with MS boxes, including making all the connections, including cutting chases and making good the surfaces wherever required. (This also includes SPMCB of Main panel to switch board wiring of minimum 4 sq mm copper wire and non of the switch boards circuit wiring to be paralled. Each switch board must be fed from separate circuit wiring fromSPMCB of the Main panel)				
3.1	Each Light point controlled by one 6 amps modular type switch.(Prpoer care must be taken for neutral return line and not more than two switches return line is to be looped or paralled).	20	EACH		
3.2	Two Light point controlled by one 6 amps modular type switch.(Prpoer care must be taken for neutral return line and not more than two switches return line is to be looped or paralled).	5	EACH		
3.3	Wiring for 5Amp light plug points with 2x1.50+1.00 sqmm & PVC insulated copper conductor wire of 650/1100 volts grade with PVC insulated Copper earth wire in concealed / exposed PVC pipe,,including 5pin 5Amp Socket with modular switch with MS boxes with earthing the third points, including cutting chases and making good the surfaces wherever required.	5	EACH		
3.4	Light Plug Point in Counter/Wall/Partition (in 5Module PVC box with plate) (2 Socket 1 switch DIRECT)	5	EACH		
3.5	Light Plug Point for Wall/Bracket/EXHAUST Fan	5	EACH		
4	16 Amps switch socket wiring.(Power Points) :-Wiring for Power circuit with 2x4 sqmm + 1x1.5 sqmm earth wire.				
4.1	Wiring for 16Amp (Socket board 2 no. 16A, 6-pin socket with 2 nos 16A switch) power plug points with 2x4+1.50 sqmm PVC insulated copper conductor wire of 650/1100 volts grade with PVC insulated copper earth wire in concealed / CONCEALED PVC pipe, including 2 no. 6pin 16Amp Socket with2 no. 16Amp modular switch with MS boxes with with earthing the third points, including cutting chases and making good the surfaces wherever required. There must be separate circuit wiring for each point & this circuit wiring must not be paralled/looped with switch board of light/plug points. (Location: Pantry, water cooler, Manager cabin-1nos, Cash cabin-1no, for each two counter one 16A plug point for winter) THIS POINT MUST BE PROVIDED ON THE WALL NOT ON THE WORKING COUNTERS	3	EACH		
4.2	Quote Labour charges for fixing and commissioning of ceiling lights, fans, tube lights, UPS DB box etc (fixture to be taken out from old premises and to be refitted), including cutting and repair of the surface/ ceiling if required.	5	EACH		
5	Fan				
5.1	Exhaust fan PLASTIC make, Blade Size 200 mm :- Supply fixing and installing the 200 mm diameter single phase 230 volt AC exhaust fan complete with motor, capacitor fan assembly mounting and frame & louvers. (1 nos in UPS room Including cutting of Glass)	1	EACH		
5.2	Wall Fan :- 400mm sweep , oscillating type, 3-speed pull control , single piece type propeller Wall/Brackets fan (Supply & Fixing)	4	EACH		
6	6 Wiring for Air Conditioners points with 2x4mm+4sqmm PVC insulated copper conductor wire of 650/1100 volts grade with PVC insulated copper earth wire in concealed / exposed PVC pipe, including Concealed Industrial Metallic Socket with 20/32Amp SP MCB housed in MS sheet box with PVC insulated Copper earth wire. Work is also including circuit wiring & cutting chases and making good the surfaces wherever required. (Circuit Shall not be paid extra)There must be separate circuit wiring for each point & this circuit wiring must not be paralled/looped with switch board of light/plug points. The MCB for AC should not be at height more than 5' and 3 pin power socket should be near to AC. (2 nos in ATM cabin and 2 nos in Banking Hall)	4	EACH		



7	FIXTURE: Lighting Fixture Supply & Installation: Supply, unpacking, assembling, testing, fixing, connecting and commissioning the following luminaries required for internal wiring of the bank premises complete in all respect.				
7.1	Ceiling Recessed full glow LED Down light for 2'x2' grid ceiling 36W with glare free end to end diffuser complete with all accessories & constant current electronic driver. Diffuser must be complete/end to end for better light distribution. Crompton Greaves Model LCLTR-36-FO-CDL, Polycab Model-PCGLLL 36W, Philips model-rc380BLED 6500, Wipro Model CRCO11RO38HP57 (1 for ATM)	10	EACH		
7.2	Providing and fixing LED BOX TYPE TUBE (16W) fittings 4'-0" long CROMPTON GREAVES 'Mirror lite' -DLMN1LT8-16 (Outside at entrance)	1	No.'s		
7.3	Providing & fixing LED Downlighter 15 w LED crompton greaves model , Phillips , Wipro make or equivalent . (To be fixed in the gypsum not in grid ceiling). 3 lights must be on UPS supply. (1 for ATM, 1 for Manager, 1 for Cash Cabin)]	6	No.'s		
7.4	1x12WCFL lamp complete with jumbo holders wipro make in toilet/UPS room including all necessary fitting and wiring (UPS area)	1	EACH		
8	Telephone Points:				
8.1	Wiring for Telephone points with 4 pair 0.61 mm Taped Copper wire with PVC pipe with 2 pin Telephone outlet (Anchor Roma) in modular type cover. (Please note that this TELEPHONE wiring is to done from MDF to Router location with minimum four pair wire)	1	EACH		
8.2	Wiring for Telephone points with 2 pair 0.61 mm Taped Copper wire with PVC pipe with 2 pin Telephone outlet (Anchor Roma) in modular type cover.(Please note that this TELEPHONE wiring is to done from MDF to Cabin and counter location with minium two pair wire)	2	EACH		
8.3	Lockable MDF (50 Pair) for Telephone/Lease & ISDN line . This MDF must be installed at the Branch entrance location and all the telephone line should start from this MDF.	1	JOB		
9	UPS				
9.1	Wiring for UPS points with 2x2.50 +1x1.5 sqmm PVC insulated copper conductor wire of 650/1100 volts grade with required earth wire with concealed / exposed PVC pipe, including making all the connections, including cutting chases and making good the surfaces wherever required.including the cost of computer socket board,with 3nos 5Amp 5 pin sockets with1no. 5Amp switch 1no.fuse and 1 no. light indicator with modular swithboard. (max. two points on each circuit, Circuit shall not be paid extra, However cash cabin point & Router point should be indepently fed from single SPMCB of UPS DB)	6	EACH		
9.2	6 way Double-Door TPN Distribution Board for UPS supply fitted with:- i. 63 Amps TPN ELCB -1No. (To be installed in the Main Panel from where UPS DB wire to be derived up to selector switch) ii. 63 Amps DPMCB -2 Nos. for UPS input supply including ups PANEL input wiring of minimum 6sqmm copper wire of phase, neutral & Earth wiring from main panel to i/p DPMCB iii. 32 Amps DPMCB -1 Nos. for UPS output iv. 6/10 Amps SPMCB - 5Nos.	1	EACH		
10	EARTHING SYSTEM:				
10.1	Copper Plate Earthing Station:- Supply, Assembling installing, Testing and commissioning all the items for constructing copper plate earthing station comprises of one no. copper earthing plate 600 x 600 x 3 mm thick, 25 mm dia medium class GI Watering pipe (minimum 4.5 mm deep) GI funnel with stainless steel wire mesh strainer, concrete watering chamber with RCC to cover up the watering pit, 100 kgs of common salt, 200kgs of fire charcoal powder, earthing conductor size 25mm x 3mm from the plate to the ground level as per the revised IS 3043 standard, required hardware & miscellaneous items. The work involves digging pit in the soil, burying the earth conductor plate, installing the watering pipe, back filling the soil and constructing the water pit.(FOR UPS & ATM MACHINE BODY AND UPS SOCKET/ POINT WIRING ONLY)	1	EACH		
10.2	GI Plate Earthing Station:- Supply, Assembling installing, Testing and commissioning all the items for constructing GI plate earthing station comprises of one no. GI earthing plate 600 x 600 x 6 mm thick, 25 mm dia medium class GI Watering pipe (minimum 4.5 mm deep) GI funnel with stainless steel wire mesh strainer, concrete watering chamber with RCC to cover up the watering pit, 100 kgs of common salt, 200kgs of fire charcoal powder, earthing conductor size 25mm x 3mm from the plate to the ground level as per the revised IS 3043 standard, required hardware & miscellaneous items. The work involves digging pit in the soil, burying the earth conductor plate, installing the watering pipe, back filling the soil and constructing the water pit.(FOR MAIN PANEL BOARD, FOR UPS NEUTRAL GROUNDING, LIGHTING & POWER CIRCUIT EARTHING)	1	EACH		
10.3	Earthing Conductors:- Wiring with 1x10sqmm PVC insulated copper conductor wire of 650/1100 volts grade (FINOLEX make flame guard Quality) as earth wire with concealed/ CONCEALED PVC pipe including making all the connections. (Please Note that this earth wire from copper earthing point should terminate to UPS distribution panel and iit should be connected to earth point of UPS socket only & earth wire from GI Plate earthing should terminate to Main electricity panel & UPS NEUTRAL EARTHING) In no case UPS neutral earthing(to be connected to GI earthing) and UPS point wiring earthing(to be connected to GI earthing) should be common. Due to this UPS neutral should be earthed to GI earthing however for UPS piont wiring only Copper earthing to be used.	20	MTR		
10.4	Main Wiring with 4x35 sqmm flame proof PVC insulated aluminium conductor armoured CABLE of 650/1100 volts grade with required earth wire with concealed / exposed PVC pipe, including making all the connections, including cutting chases and making good the surfaces wherever required.(WITH PROPER COLOUR CODING FOR RYBN CONDUCTOR)	15	MTR		
11	Four Pole ICTP Switch with three fuses of 100 A (Before main panel) for receiving 3 Phase & Neutral Supply100 Amps(Main Supply PSEB) To be installed at suitable location(Not to be installed in open space)	1	EACH		
	Total of Electrical Work				

Note: No Electrical Points to be provided in ATM Room. All the Electrical points/switches of ATM must be porvided inside the Branch. All switches should be operated from Branch only. Color coding for wiring should be as per govt of India Guidelines.
All the existing wires, fittings, panels etc has to be removed and deemed scope of this tensder.

