

NIT Ref. COHUB: P&E:DPJ:11244: 2024-25 dated 02.05.2024

Notice Inviting Tender

ELECTRICAL WORKS IN NEW PREMISES OF BVB HUBBALLI BRANCH (HUBBALLI RO)

Location of the Branch/Office	BVB HUBBALLI BRANCH (HUBBALLI RO)
Eligibility of the contractor	Eligible Electrical Contractors empanelled with Circle Office: Hubballi
EMD	Exempted for Contractors Empanelled With Circle Office: Hubballi
Address for submission of sealed tenders	Circle Office: Hubballi
Last date & time for submission of sealed tenders	13.05.2024 up to 3:30 pm
Date & Time of opening of sealed tenders	13.05.2024 up to 4:00 pm
Payment terms	As per IBA norms.
Time limit for execution of work	30 days from the date of work order
Defect liability period	12 months after completion of work
Retention money towards defect liability period	3 % of final bill amount
Date of commencement of work	As per work order
Income Tax &/ other taxes	At applicable rate
Payment	After the completion of the work, as per procedure
Period for submitting final bill by contractor	Within one month from the date of virtual completion of the work
Liquidated damage for non completion of work in time	1% OF THE TENDERED AMOUNT per week and part thereof for the delayed period maximum of 10%.
Rates quoted by bidder	I. The quoted rate should be inclusive of Cost of materials, transport, loading , unloading charges, cost of installation, all taxes (excluding GST) , wastages, machinery, temporary works such as scaffolding, cleaning, overheads, profit, statutory expenses, incidental charges and all related expenses required for the completion of the work. II. Additional claims other than the quoted amount will not be entertained. III. The quoted rates shall be firm throughout the completion of the project
Insurance	Falls under scope of contractor.
Validity of submitted tender	90 days from the opening of tenders

The sealed tender must be dropped in tender box kept at the Circle Office within the above stipulated time. Tenderers / authorized representative are requested to be present at the time of opening. Canara Bank will not be bound to accept the lowest tender & reserves the right to reject any or all the tenders without assigning any reason thereof.

Signature of Bidder with seal

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Premises & Estate Section,
Circle Office Hubballi
Centrum Building,
Gokul Road, Hubballi-580030

T: 08362-2239432/433 /434

E:pecohub@canarabank.com

To

The Assistant General Manager,
P & E Section,
Canara Bank Circle Office,
Hubballi - 580030.

Dear Sir,

Sub: Electrical works in the premises of **BVB HUBBALLI BRANCH (HUBBALLI RO)**

I/We hereby declare that I/ We have carefully gone through the conditions laid down in the Notice Inviting Tender, General notes, General Conditions of Contract, Special conditions, Schedule of approximate quantities and rates, Form of Agreement, General Specification, Approved manufacturers/natural source of materials Technical Specifications of schedule of quantities, and clearly understood all the same and on the basis of the same I/ We have quoted our rates in the Schedule of Quantities(i.e. BOQ) attached with the tender documents.

I / We have enclosed herewith a Demand Draft of _____, Bank & No. _____ dated _____ favoring **Premises & Estate Section, Circle Office, Canara Bank, Hubballi** for ₹ _____ payable at Hubballi, towards E.M.D.

In the event of this Tender being accepted I/ We agree to enter into the agreement and submit the declaration on requisite non-judicial stamp papers as and when required and execute the contract according to your form of Agreement etc., in default whereof, I/ We do hereby bind my-self / ourselves to forfeit the aforesaid deposit.

I / We further agree to complete the work included in the said schedule of quantities within specified time from the date of the work order issued to commence the same.

I / We agree to pay all taxes(except GST), insurance charges as prevailing from time to time, on such items for whom same is to be levied by/ for the government, and the rates quoted by me / us are inclusive of all the same.

Once again knowing fully well the contents of this tender, I / We sign this tender on this _____ Day of _____ month of 2023.

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SPECIAL CONDITIONS & INSTRUCTIONS FOR THE GUIDANCE OF TENDERER

1. The works at the branch/Office premises need to be executed duly taking care of the local bye laws/regulations of the local authorities like Police Dept, Water supply and Sanitary Board, Electricity Board, Central/ State Labor Commission etc. Necessary permissions, licenses, temporary connections if needed shall be obtained by the Contractor and Bank shall not be held responsible for any lapses.
2. The works shall be executed duly taking care of all safety measures and Bank shall be fully indemnified for any 3rd party claims, casualties, mishaps, loss of property etc. related to the undertaking & the execution of the subject work.
3. GST TAXES: As per the new Goods & Services Tax (GST) structure, the tenderers are required to have GSTIN number & Tenderers without GSTIN number are not eligible to participate in the tender process. The details as per the Annexure I attached are to be mandatorily furnished along with the tender. The eligible tenderers are requested to quote the GST separately. The taxes will be deducted at source as per the statutory requirements. While raising the bill, it shall be mentioned as bill to Canara Bank and our Bank's GSTIN number to be mentioned.
4. CANARA BANK'S KARNATAKA STATE GSTIN NUMBER is 29AAACC6106GIZX.
5. Tenderers are requested to submit the EMD in the form of crossed Demand draft only on any of the nationalized Banks/State Bank Drawn in favor of Premises & Estate Section, Circle Office, Canara Bank, Hubballi, payable at Hubballi. Tender with EMD in any other forms shall be rejected.
6. Tenderers are expected to visit the site before quoting the rates and should satisfy themselves as to the nature and conditions of work facilities available etc.
7. The tenderers are required to examine the enclosed general plan, tender form and conditions mentioned in the tender.
8. The tenderers should quote the rates in the figures. The amount for each item should be worked out and the requisite totals shall be given. The total amount shall be written both in figures and words.
9. The rates quoted in the tender shall be for measured finished works and shall include all changes including cost of materials, transportation, freight charges etc. complete.
10. The work is to be completed within stipulated time.
11. The successful tenderers shall give all necessary personal attention to the work during the process of work and also until the expiry date of "Defects Liability Periods" which is **12 months** after the date of completion of the work.
12. The bank reserves the right to reject any portion of the work or material, which is, found unsatisfactory not up to the standard.

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13. A retention amount of **3% of the bill amount** will be retained from the final bill and shall be paid to the successful tenderers after the defects liability period is over and upon the certification of the engineer.

14. Income tax deduction at prevailing / appropriate rates will be retained from each running bill which will be certified by the income tax authorities and a receipt will be given to the contractors.

CONDITIONS OF CONTRACT

1. If any additions and alterations are found necessary, the tenderers will have to do the same within the tendered rates with the prior approval of the bank.
2. The contractor shall employ adequate labor to complete the work within the scheduled time and shall make his own arrangements for housing his materials etc.
3. The contractor shall have to make his own arrangements to house his labor and staff for their services.
4. All tendered rates shall include for the cost of materials, labor, supervision, tools, plant, transportation, contingencies, duties, breakages, wastages, sundries, scaffolding, etc complete.
5. All instruction regarding the execution of the work shall be received from the officials through consultant/architect only. Any other instructions issued directly to the contractor by anyone else shall not be binding on the bank.
6. The bank shall have the power to omit or cancel any item of work without assigning any reason whatsoever and no claim for compensation for damage will be entertained for such omissions and cancellation.
7. The contractor shall maintain satisfactory progress of work as well as maintain a desired level of workmanship. If in the opinion of the bank the progress is unsatisfactory and / or the workmanship is unsatisfactory then the bank shall take possession of the work **within 7 days** to that effect. The bank shall then complete the entire work and rectify all the defects at the contractor's cost and consequences.
8. In case the bank is not satisfied with the quality of materials used by the contractors, they reserve the right to direct the contractor to procure such materials supplied from agencies they deem fit.
9. The contractor is to be responsible for clearing any, all dirt and rubbish and superfluous materials as they accumulate and everything unnecessary and to leave the premises in a clean and orderly condition on completion and fit for occupation. No extra payment shall be made for doing this.
10. Any work which is not approved by the bank shall have to be removed within 24 hours from the time of order and shall have to be redone by the contractor at his own cost and this cost will be borne by the contractor.

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11. No deviation whatsoever for any reason will be permitted, however, if any deviation becomes necessary, the same should be brought to the immediate notice of the bank and written approval must be obtained for such deviation before proceeding with the execution of work.
12. The bank has got the right to supply any materials required for the work and cost of materials so supplied will be deducted from the bills of the successful contractor.
13. The contractor shall be responsible for safe custody of his materials/materials issued to him by the bank till they are used for the work. He shall make his own arrangements for the safe custody and proper storage and preservation in sound condition till the same are actually used in the work.
14. The tenderers shall extended full co-operation to the other contractor /agencies like electrical, air conditioning, Fire & CCTV, LAN etc who are also working for the same project and co-ordinate with them in finishing the awarded work within the stipulated time given.
15. The contractor shall have a competent supervisor on the site for all the time.
16. For any new item the rate will be fixed by the bank as per prevailing fair market rate and labor which will be binding on the contractor.
17. In case the brand of materials mentioned in the tender is not available in the market, the alternate brand shall be used only after prior written approval of the bank.
18. The contractor shall be given a single electrical connection at work site. Electrical charges for consumption by the contractor will be charged separately by the bank, contractors have to provide sub-meter.
19. The successful tenderers shall not anticipate any financial help from the bank in the form of adhoc payment / advance for mobilizing and for starting the work.
20. The contractor should strictly adhere to the specifications and make of the materials, mentioned in the annexure. Any deviation will summarily reject the items of the work and not qualify for payment.
21. The successful tenderers shall be ready to carry out works between non banking hours and even at nights and holidays. The contractor should sign all the pages of the document and the same shall be submitted to us.

Acceptance of contractor for Labor laws

- The successful tenderers / Contractor shall carefully and diligently implement the provisions of the Contract Labor Act & Contract Labor Rules.
- The Bank shall be entitled to deduct from the Contract Consideration, any such amount which the Bank has to pay in accordance with the Contract Labor (Regulation & Abolition) Act 1971 and Workmen's Compensation Act, in the event of the Bank having to disburse compensation / effect any payment under the Contract Labor Acts / Rules.

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- Please note that as per rule 81(1) of Contract Labour (R&A) Rules, 1971, it is mandatory on the part of the Contractor to display the notice containing the following details at prominent place at the work site.
- Rates of wages.
 - Hours of work.
 - Wage periods.
 - Dates of payment of wages.
 - Names & addresses of the Labor Inspectors having jurisdiction &
 - Date of payment of unpaid wages.

The notice containing the above details shall be displayed without fail at the work site.

- The Contractor shall not engage any workmen for wages, less than the minimum wages prescribed under the notification issued by the Central Government.
- The contractor should follow all labor laws/guidelines laid down by central /state government from time to time.
- ABNORMALLY HIGH AND LOW RATED ITEMS :

For item rate tenders if, the rates quoted by the lowest bidder for certain items of the Bill of Quantities of the tender are found to be abnormally high or low in comparison to the market rate analysis of the item done by the Architects/Bank and or in comparison to Architect/Bank's method of working out market rate justification for the items, the same shall be governed as under in order to avoid financial loss to the Bank in the event of default of Bidders.

- For abnormally high rated items (AHR), the progressive payment shall be 80% (eighty percent) of the payment due to the Bidder against execution of the AHR item. The balance withheld 20% payment shall be released after 75% of total value of the original contract is complete in financial terms or this 20% withheld payment can be released to the Bidder on submission of an unconditional bank guarantee of equivalent amount in the proforma of Bank. Further deviation limit for AHR items shall be nil on plus side and Bank reserves the right to restrict, substitute or not execute the AHR items during execution. The decision of the Architect/Bank's Engineer in this regard shall be final and binding on the Bidder.
- For abnormally low rated (ALR) items the Bidder shall submit Bank Guarantee of difference in total of amount of ALR item(s) and the total amount of corresponding items at market rate of the Architect/Bank. This bank guarantee shall be valid till completion of the project. In exceptional circumstances, the amount of Bank Guarantees (BG) may be reduced or BG released earlier than completion period if, in view of Architect/Bank's Engineer, all ALR items as provided in the contract are executed as per terms of contract and/or not required to be executed.

Notwithstanding what is contained in Para i) & ii) above, the provisions of Para (i) and (ii) shall not be applicable on tenders invited on percentage rate basis.

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The decision of the Bank on identification/ marking of AHR and ALR item are final and binding on the Bidder. In case the Bidder do not agree for furnishing of Bank Guarantee as above towards ALR items, at the time of award of works, the EMD/Performance guarantee of the Bidder shall be forfeited and decision of Architect in this regard shall be final and binding on the Bidder.

CERTIFICATE

I/ WE HAVE READ, FULLY UNDERSTOOD THE ABOVE MENTIONED REGULATIONS OF LABOUR LAWS/GUIDELINES AND ACCEPT THE SAME IN TOTO. I ALSO UNDERTAKE TO FOLLOW ALL LABOUR LAWS/GUIDELINES LAID DOWN BY CENTRAL /STATE GOVERNMENT FROM TIME TO TIME & INDEMNIFY THE BANK AUTHORITIES.

ANNEXURE I (TO BE MANDATORILY FURNISHED)

1.	Name of the Contractor under the Contract Labor (Regulation and Abolition) Act, 1970 (37 of 1970) (if applicable)	
2.	LIN / PAN No	
3.	Email Id	
4.	Mobile No.	
5.	No. & date of Certificate of Registration/ License*	
6.	Name of Person in charge of work	
7.	LIN / PAN No. of the person in charge of work	
8.	Email Id of the person in charge of work	
9.	Mobile No. of the person in charge of work	

* Please strike off whichever is not applicable

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APPROVED LIST OF MATERIALS

SL NO	ITEMS	MAKES
1	MCCB / MCB - C Curve (All 10 kA Category)	Legrand, L & T, Merlin Gerin, Hager, GE, C&S, Schneider Electric.
2	ISOLATOR	LEGRAND
3	SWITCHES , SOCKETS (MODULAR) & MODULAR BOX	LEGRAND (MYRIUS / ARTEOR) / ANCHOR-WOODS//SCHNEIDER (ZENCELO), Anchor Panasonic - Vision, M,K India Wraparound
4	CHANGE OVER SWITCH	L&T/ C&S/HPL
5	INSULATED WIRES (FRLS) CABLES	ANCHOR / FINOLEX / HAVELS/RR Kabel/Polycab
6	CABLE GLANDS & LUGS	SIEMENS
7	POWER CABLES	Finolex/ Polycab /HAVELS
8	LIGHT FITTINGS	HAVELL'S /WIPRO/ PHILIPS
9	FAN	(CROMPTON / HAVELL'S ') (WHITE COLOUR)
10	16" WALL FAN	ALMONARD/ CROMPTON/HAVELLS/ USHA (WHITE COLOUR)
11	12"/9" EXHAUST FAN	CROMPTON / ALMONARD with double ball bearing only
12	DBS	Hager, Merlin Gerin, Legrand, GE, C & S
13	TIMER	LEGRAND Model: 649 915 / SIEMENS
14	ELECTRONIC REGULATORS	ANCHOR ROMA
15	CASING CAPPING	MODI'S, GEMINI with ISI MARK
16	PVC conduit Pipe White/grey colour FRLS pipes only.	Avon Plast, Precision, Polycab, G.M with ISI mark
17	G.I. B-CLASS PIPES (ISI)	ITC, PRAKASH
18	Telephone Wires/Cables	Delton, Finolex/ R.R Kabel (0.5 mm dia)
19	MEASURING INSTRUMENTS	A.E., IMP, MECCO, SIEMENS
20	DOUBLE RJ 11	ANCHOR ROMA / LEGRAND

NOTE: Any brands indicated under the items specifications in the Bill of quantities will prevail over the above indicated makes. Apart from the above makes, any further equivalent make as approved by the Bank, can also be used with prior permission from the Bank and the consultant. Samples are to be approved by Bank and the Consultant if any.

COLOUR CODING: Color coding of wires to be followed strictly and all the DB boards to be named RED - Phase, BLACK - Neutral, GREEN - Earth

WARRANTY OF ABOVE ITEMS to be specified

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Certificate to be submitted by the contractor on completion of works

Format of Installation Test Certificate

(To be submitted by the contractor on completion of works)

- I This is to certify that work is carried out confirming to IE rules and code of practice.
- II Test report is under
- a Insulation resistance test

R-N	_____	M Ohms
Y-N	_____	M Ohms
B-N	_____	M Ohms
 - b Load test

5 A-1000 W	power point	15 minutes
15 A-3000 W	power point	15 minutes
 - c Earth resistance for each electrode

1	ohm
2	ohm
3	ohm
4	-N-E Volts
 - d Wiring continuity test Yes / No
 - e Earth continuity test Yes / No
 - f Certificate of makes of material used in the work
 - g Circuit diagram
 - h Certified that the electrification work has been carried out under the supervision of licensed electrical supervisor
 - i Certified that the earthing plate / pipe has been verified and placed at correct depth confirming to IE rules.

Signature of Electrical Supervisor

Name:

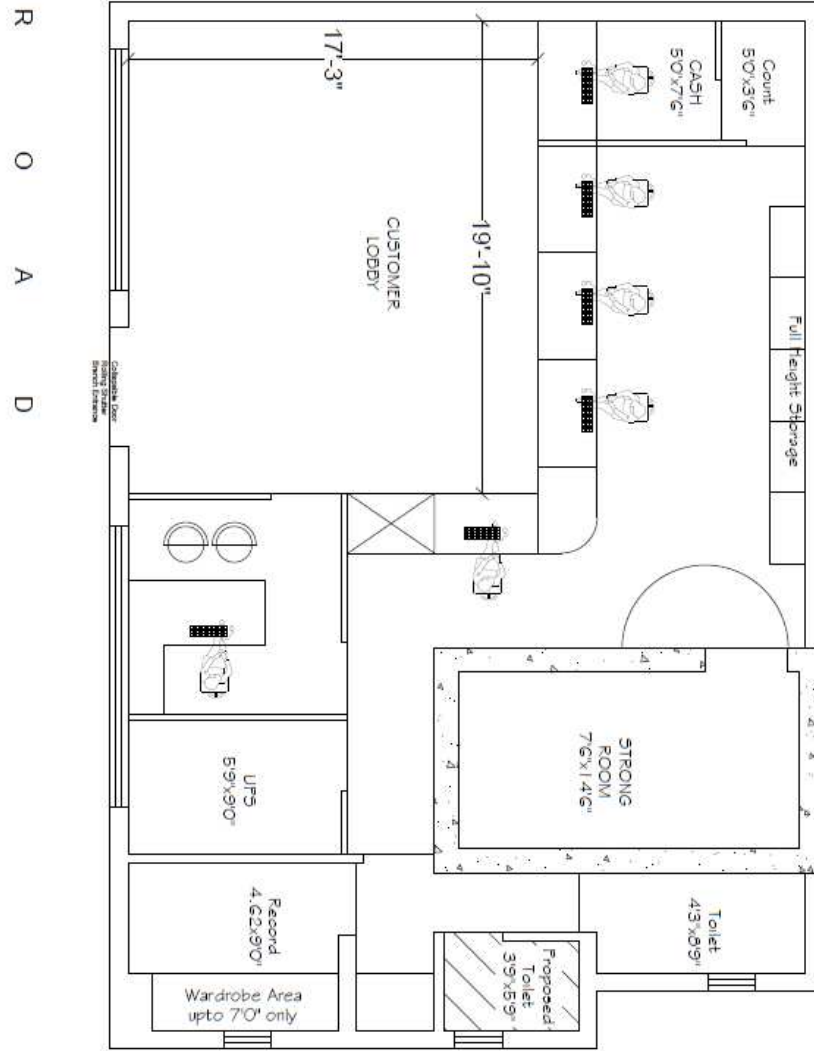
License No.

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ESTIMATION for Electrical works of Proposed CANARA BANK Branch BVB Engineering College,Hubli,Under Circle Office ,Hubli.					
Sl.No	Description	Unit	Qty	Rate	Amount
1	Supply, Installation, Testing & Commissioning of Distribution Boards recessed in walls/partitions, complete with MCBs/ Bus bars and interconnections. No fabricated DBs shall be allowed. Only DBs of specified makes as per list of materials shall be used(DOUBLE DOOR IP43 Type)				
A	Main DB - 8 Way VTPN MCB DB (1) 100A MCB -1No (2) 32A TP -1 (3)63A TP -1 (4)40A TP -2 (5)25/40A ,SP, MCB-8	Nos	1		
B	AC DB -4WAY VTPN DB (1) 63A TPN-1 (2) 25 SP -12	Nos	1		
C	Lighting DB DB -4WAY TPN DB (1) 32A TPN-1 (2) 10/16A SP -12	Nos	1		
D	UPS DB DB -16WAY SPN DB (1) 32A DP-1 (2) 6/10/16A SP -14	Nos	1		
E	Supply & Installation of 32 A TPN MCB with suitable METALLIC enclosure(UPS INPUT)	Nos	2		
F	Supply & Installation of 100A 4 Pole Change over switch	Nos	1		
g	Supply and fixing of 25A/ 20A DP MCB WITH INDUSTRIAL SOCKET on a suitable metal box for power supply to A/C units including all interconnections as required near the proposed AC locations at 4.5ft from the floor level.	Nos	4		
2	Supply & Laying of following 1100V grade armored cable having sector / circular shaped insulated cores,laid up, PVC tape wrapped inner sheathed, GI strip / wire armored and overall extruded PVC sheathed confirming to IS: 7098, laid along with 2 Runs of 12 SWG GI Wire on wall or ceiling using GI clamps and spacers as per route shown at site and further as directed by Bank / Architect				
A	5CX 10 Sq mm, CU cable along with 2 Runs of 12SWG GI Wire (Main Panel to DB)	Rmt	18		
B	4CX 10 Sq mm, CU cable along with 2 Runs of 12SWG GI Wire (Mains panel to UPS)	Rmt	16		
3	Supply & Wiring with Flame Retardant Insulated PVC copper wire as per grade IS 994for Circuits, Computer point, Power points within 2mm thk PVC conduits with necessary accessories and with proper clamps and to be concealed below the false ceiling. It comprises as follows:-				
A	2Runs of 4Sqmm copper wire+ 1x 2.5 Sq mm copper wire in PVC conduit (MDB to Acs)	Rmt	140		
B	2Runs of 6Sqmm copper wire+ 1x 2.5 Sq mm copper wire in PVC conduit (UPS output to SPN DB)	Rmt	64		

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C	2Runs of 2.5 Sqmm copper wire+ 1x 1.5 Sq mm copper wire in PVC conduit (UPS circuits)	Rmt	150		
D	Supplying and laying 3 CX 2.5Sq.mm 1100V grade PVC insulated Flexible cable along with one run of 12SWG GI earth wire in PVC pipes run on wall/ Ceiling etc as required. (Raw power ckts)	Rmt	145		
E	EMERGENCY LIGHTING(UPS SUPPLY) Supply & laying of 3 core 1.5 sq mm copper flexible cable in a suitable FRLS PVC pipe for emergency lighting. The scope of work includes supply & fixing of 2A DP MCB in a suitable enclosure.No of points :One primary point & two secondary points. The scope of work extends to supply & fixing of 3 no of square type 15 watts recess mounted LED lights also	Nos	3		
4	LIGHT & FAN POINT WIRING				
	Supply and wiring for Primary light point with 2Runs of 1.5sq.mm + 1 Run of 1.5 Sqmm (Earth) 650V grade PVC insulated Copper Conductor multi strand wires in heavy gauge 20/25mm dia PVC conduit concealed in wall or with suitable width casing and capping of approved quality along with required accessories when laid on ceiling / below work stations and fixing of 5 Amp Modular type switch in anodised GI box complete with front plate, supplying and fixing 3way ceiling rose or straight / slant batten holder including interconnections required. The rate shall include circuit wiring with 2 runs of 2.5sq.mm multi strand copper conductor wire & 1 run of 1.5sq.mm wire for earth in suitable size heavy gauge 25mm dia PVC conduit from DB to switch & switch board to switch board, ceiling rose and angle holders for cfl light fixtures all complete				
A	Primary points	Nos	28		
B	Two light point controll	Nos	5		
C	Supply and installation of 6A modular socket with a switch in the above modular switch boards	Nos	8		
D	Wiring for the wall mounting fans from the nearest switch board with 1.5sqmm 650V grade multi stranded PVC insulated copper wire in PVC Conduit and all interconnections as required including the supply and fixing of 6A modular socket near the wall mounted fan and 6A switch in the near switch board below fan as required.	Nos	8		
E	Supply and wiring above but for ceiling fan point including GI box and 5 Amp. Control switch, 100W step type Electronic fan regulator etc	Nos	6		
5	MODULAR SOCKETS FOR UPS & RAW POWER				
A	Supply and fixing of 3 nos. 6A sockets with 1 no 16A switch fixed on a suitable module metal box and white front plate (Modular type) including all interconnections as required(switch shall be fixed above the table with suitable modular front plate /box and sockets shall be fixed below the counters) conforming to IS 694 (with latest amendments) with all fixing materials and accessories, interconnections complete as required for the UPS power sockets. (DB to work stations Primary point)		8		
B	PRIMARY POINT: RAW POWER Supply and fixing of 1 no of 16A socket with 1 no of 16A switch on suitable Modular metal box and modular front plate conforming to IS 694 (with latest amendments) with all fixing materials and	Nos	8		

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	accessories, interconnections complete as required for the UPS/ raw power sockets etc				
C	Supply and fixing of 1nos. 16A socket for AC	Nos	6		
D	Supply and fixing of 1nos. 16A socket with 1 no 16A switch fixed on a 3 module metal box with suitable 3 pin top and white front plate (Modular type)including all interconnections as required for locker, safe room, Record room/Stationary room	Nos	8		
E	Supply and fixing of ding-dong calling bell in BM chamber INCLUDING POINT WIRING COMPLETE as per direction of Bank	Nos	2		
6	LED LIGHT FIXTURES (COMMERCIAL TYPE ONLY) /FANS				
A	CEILING FAN:- supply & Fixing of 600mm sweep 5 star High speed ceiling fan with electronic step regulator in suitable locations as required. And Supplying of double anchor fastener hooks and down rods. Complete in all respects as directed by Bank. Ref Model : Crompton Greaves high speed model (or) equivalent in other approved make	Nos	6		
B	WALL MOUNTING FANS Supply and Fixing of 18 inch Metal body & Blades wall mounted fans with 3 pin plug top, fan body should be earthed if 3 pin socket not available in the market, Make: Storm model in CG or equivalent	Nos	10		
C	SUPPLY & FIXING OF EXHAUST FANS (Havells Turboforce or equivalent)Supply & fixing of 300 mm ,1400 RPM metal body double bearing exhaust fans in the UPS / rest room . The scope of work includes point wiring & making provision in the wall for installation of exhaust fans and bring back to original finish	Nos	3		
D	Supply & Installation of 33/34W 2X2 LED Light fixtures (Havells - VENUSNEOHE2X2PLR34WLED8XXS or CROMPTON: LCTLRNE-36-FO-CDL or Philips RC 375B30S 6500K or Equivalent models in other approved makes) including cost and conveyance of all materials, taxes and all labor charges etc., complete. Weight of the light should not be on the grid/ Gypsum ceiling. light has to be fixed with the help of GI/chain wires and to the anchored to the ceiling	Nos	14		
E	Supply & Installation of 15W LED down light fixture. (Havells:- Integra NEO15W, 857 CROMPTON: LCDRQ-15-CDL/LCDRO-15-CDL or DN296B LED15S 6500K in Philips or equivalent models in other make) including cost and conveyance of all materials, taxes and all labor charges etc., complete	Nos	6		
F	Supply and Installation of 20W Batten LED light fixtures SURFACE type with all interconnections and fixing arrangement as required. (LUMILINEBS18WLED857SPCWH - Havells or BN021 21S in Philips or CROMPTON: LDL-20-CDL or equivalent)	Nos	5		
G	Supply & installation of 1 KW analog timer with lighting circuit switching contactor in suitable M.S. Box for branch and e-lounge sign board	Nos	1		
7	TELEPHONE CABLING				
A	Supply, laying and connection of high Conductivity Solid Annealed Bare Copper industrial 2 Pair 0.5 sq mm dia Telephone Cables with High Density Polyethylene Insulation, Paired, Polyester and Sheathed with High Oxygen Index, Fire Retardant, PVC Compound, Grey Outer Sheath generally conforming ITD Specification. the	Nos	6		

Signature of Bidder with seal

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Premises & Estate Section,
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Gokul Road, Hubballi-580030

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NIT Ref. COHUB: P&E:DPJ:11244: 2024-25 dated 02.05.2024

	scope of work inclusive of all fixing accessories & laying in a suitable ISI medium PVC conduit. The scope of work extends to Supply and Fixing of modular type RJ11 Telephone outlet with anodized GI box and front plate complete as required				
B	Supply, installation, testing & commissioning of 20 Pair Telephone Krone DB in an MS powder coated enclosure in suitable location	Nos	1		
8	EARTHING				
A	COPPER EARTHING: Providing independent earthing for sophisticated electronic equipment with 600 mm x 600 mm x 3.5 mm thick copper plate rigidly fixed to 40 mm dia G.I. pipe of 3 mtr length connected with reducer providing .GI. funnel with wire mesh as per national electric code including C.C. Chamber of size 400 mm x 400 mm x 400 mm covered with RCC slab filling with salt and charcoal giving earth connection from electrode copper strip 2 runs of 50 mm x 6 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (Part II)	Nos	2		
B	GI EARTHING: Providing independent earthing for important equipment with 40 mm dia "B" class 2.5m long G.I pipe and 19mm dia "B" class G.I pipe of 0.3 mtr. Long connected with reducer providing G.I. funnel with mesh enclosed in C.C. Chamber of 400mm x 400 mm x 400 mm with RCC slab cover duly providing staggered holes filling with salt and charcoal from the bottom of the pipe giving earth connection from electrode through G.I. strip 2 runs of 50 x 6 mm x 3000 mm length with all accessories and labour charges complete, as per IS specifications 732/1982 (part II)	Nos	2		
C	Supply and laying of 8SWG Cu insulated Wire in 20mm dia rigid pvc conduit For Body	Rmt	25		
D	Supply and laying of 8SWG GI insulated Wire in 20mm dia rigid pvc conduit For Body	Rmt	30		
E	Supply & Laying of 100mmX 25mmX 5mm Copper strip with supporting insulator and holes	Nos	2		
F	Supply & fixing of metal 32 A, 415 Volts Bus Bar chamber	Nos	1		
G	Supply & laying of 1nos6/16A Socket and 1nos 16A switch (Rawpower point switch and socket to be installed in a metal box) . The scope of work extends supply of 3 meter length of flexible 3core 2.5sqmm multi core copper cable one end connected to plug top 16A and the other connected to the SB inside and a suitable hook arrangement as required for hanging the cable required for Record rooms & Safe room, LOCKER room, Strong room, stationary room (Independent Circuits)	Nos	3		
H	Charges for making and submitting neat and clean computerised Electrical Drawing of the Branch indicating SLD of the Branch, indicating DB, switch boards, etc along with proper numbering and indicating power flow and laminating the same.	Nos	2		
	Total of Amount in figures (Excluding GST on works contract)				

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