

NIT Ref. COHUB: P&E:DPJ:10811: 2024-25 dated 09.07.2024

Notice Inviting Tender

**ELECTRICAL WORKS IN EXISTING PREMISES OF AGARKHED BRANCH  
(VIJAYAPURA RO)**

Location of the Branch/Office	<b>AGARKHED BRANCH (VIJAYAPURA RO)</b>
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	<b>18.07.2024 up to 3:30 pm</b>
Date & Time of opening of sealed tenders	<b>18.07.2024 up to 4:00 pm</b>
Payment terms	As per IBA norms.
Time limit for execution of work	<b>30 days</b> 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	<b>1% OF THE TENDERED AMOUNT per week and part thereof for the delayed period maximum of 10%.</b>
Rates quoted by bidder	I. The quoted rate should be inclusive of Cost of materials, transport, loading , unloading charges, cost of installation, all taxes <b>(excluding GST)</b> , 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 **AGARKHED BRANCH (VIJAYAPURA 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 3<sup>rd</sup> 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 the 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.

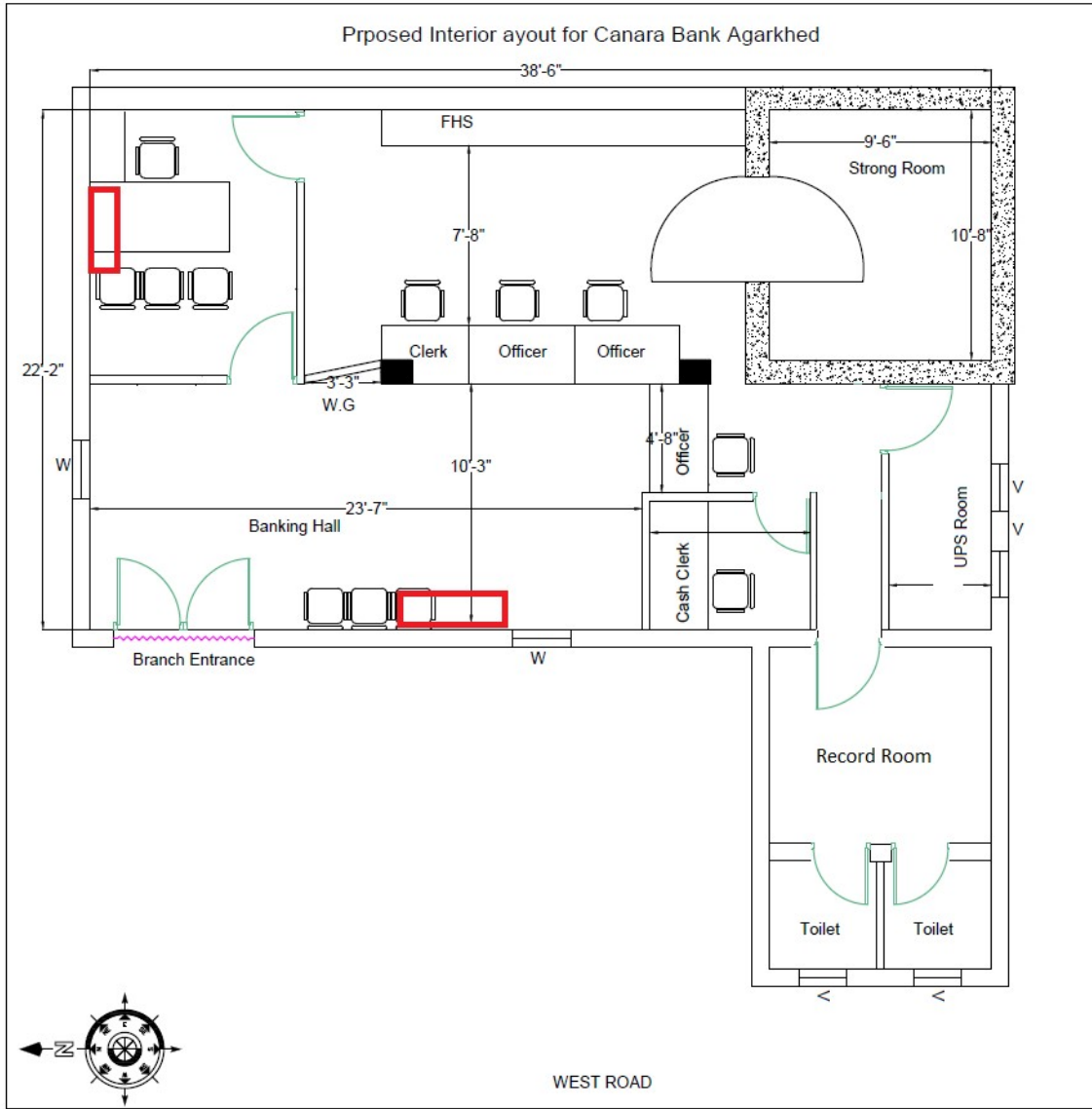
Signature of Electrical Supervisor

Name:

License No.

Signature of Bidder with seal

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No	DESCRIPTION	Unit	Qty	Rate	Amount
1	Supply, Installation, testing and Commissioning of UPS power Sub-distribution board made out of 16 guage CRCA/angleiron dust and vermin proof coated with two coats of red oxide primer and two coats of synthetic enamel grey paint. It consists of the following: Incomer: 40A DP MCB C curve as incomer- 1no OUTGOINGS: 40A DP MCB C curve- 1no 63A rating copper busbars-1set 10A DP MCB C curve. -4nos	set	1		
2	Details as in item 1 above but with the following item for sub distribution to terminal points. 10A DP MCB as incomer- 4nos	set	1		
3	Supply, Installation, testing and commissioning of 20A three pin single phase 230V industrial plug & socket controlled by 25A DP C category MCB in ms enclosure for controlling 1/1.5Ton split ac unit/power points.	set	6		
4A	Supply, Laying, testing and commissioning of 1.1KV grade PVC insulated and sheathed aluminium conductor armoured cable to be laid on wall/false ceiling/in the ground as required with necessary clamps and GI pipe accessories complete				
a	4X35sqmm from Meter Board to Main Power distribution board	mtr	30		
b	4x16sqmm	mtr	30		
4B	Supply and end termination of the above cable using brass cable glands and copper lugs complete.				
a	4x16 sqmm	set	4		
b	4x 35sqmm	set	4		
5	Power/UPS wiring				
a	Supply and wiring 2runs of 4sqmm and 1 run of 2.5sqmm PVC insulated FRLS copper wire in 25mm dia 2mm thick pvc/casing capping as required above the false ceiling on wall/in the floor for power distribution AC circute.	mtr	200		
b	Details same as above but with 2runs of 2.5sqmm & 1 run of 1.5sqmm in 19mm dia Pvc conduit casing capping as required for sub-distribution.	mtr	200		
c	Details same as above but with 2 runs of 6sqmm & 1 run of 2.5 sqmm in 25mm dia Pvc conduit as input for UPS power source.	mtr	20		
d	Details same as above but with 4runs of 6sqmm & 1 run of 4sqmm pvc insulated copper wires in 32mm dia pvc conduit with all accessories complete.	mtr	20		
6	SOCKETS AND SWITCHES Supply and fixing the following in ms enclosure/wall paneling as required with necessary front plate and other accessories complete.				
a	3 nos 5A socket with switch & indicator as one unit for computer terminal points.	set	10		
b	5/15A socket with switch for other power requirements.	set	10		
c	5/15A switch socket in ms enclosure - 4nos	set	3		

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d	Supply, Installation, testing and Commissioning of 32A 3 pin industrial plug and socket controlled by 40A DP C curve MCB in ms enclosure for UPS power	set	4		
7A	LIGHTING WIRING				
a	Supply and wiring 2 runs of 7/20 and 1 run of 3/22 PVC insulated copper sheathed copper wire in 25mm dia 2mm thick PVC conduit/casing capping with all accessories including suitable ms/pvc junction boxes wherever required above false ceiling/on wall from the LDB to switch box/control point.	mtr	250		
7B	POINT WIRING Supply and wiring 2 runs of 2.5 sqmm & 1 run of 1.5sqmm Pvc insulated and sheathed copper wire in 19mm mm dia Pvc conduit/casing capping with all necessary accessories above false ceiling/ on wall as required from switch box to control point.				
a	Single light point controlled by 6A SP switch.	nos	25		
b	Two light points controlled by 6A SP switch.	nos	6		
c	Ceiling/wall fan without regulator	nos	4		
d	6A switch socket dependent pt	nos	4		
e	6A switch socket point	nos	4		
f	Exhaust fan point controlled by 15A SP switch.	nos	2		
g	Calling Bell point with Bell.	nos	1		
8	Supply, Installation, testing and Commissioning of lighting fixture on false ceiling/wall as required with necessary accessories complete.				
a	38W surface/Recess mtd LED luminaire with diffuser complete				
	Supply	set	10		
	Installation	set	10		
b	Surface/Recess mounted LED downlighter 17W				
	Supply	set	6		
	Installation	set	6		
c	20W LED batton for indoor application & general lighting.				
	Supply	set	2		
	Installation	set	2		
d	Ceiling fan 48inches with electro nic regulator				
	Supply	set	1		
	Installation	set	1		
e	Industrial type exhaust fan				
	Supply	set	2		
	Installation	set	2		
f	Wall mounting fan with regulator complete				
	Supply	set	4		
	Installation	set	4		
9	EARTHING				
a	Supply and providing 2.5mtrs long 40mm dia GI pipe electrode earth station as per IS 3043 with alternate layers of sand and char	set	1		

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	coal for earthing of Main DB.				
b	Supply and providing suitable earth station with 600x600x3mm copper plate and 40mm dia GI pipe 2.5mtrs long with alternate layers of sand and charcoal and cast iron cover with all civil works as per IS 3043 complete for UPS board earthing. The line earth loop impedance as measured at any junction box shall be of value less than 0.5 ohm. The charcoal and salt shall be in proportion of 75% and 25%. The are around salt and charcoal shall be cove red by sand.	set	1		
c	Supply and laying of 8 SWG bare copper wire for Main distribution board earthing.	mtr	25		
10	MISCELLANEOUS ITEMS				
a	Supply and running casing capping conduit of size 19mm on wall panelling/wall/ceiling as required	mtr	25		
b	Supply, installation, testing and commissioning of 63A 4P load break change over switch in ms enclosure with necessary angle frame for fixing DG supply.	set	1		
c	Supply and fixing MS S hook with necessary chipping of ceiling concrete & civil works	set	1		
d	Supply and fixing electronic regulator for fans.	set	4		
e	Supply & wiring 2 core 1.5sqmm flexible conductor.	mtr	20		
f	Supply and fixing 63 TPN MCB curve in ms enclosure.	no	1		
g	Supply and fixing 25A DP MCB in ms enclosure.	no	3		
h	Supply and fixing 32A DP switch in enclosure for others	set	1		
11a	Supply, Installation, testing and Commissioning of Main distribution board made out of 16 guage CRCA sheet/angle iron coated with two coats of red oxide primer and two coats of finished paint. It consists of the following: 100A TPN MCCB 10KA FL with shunt tripcoil as incomer - 1 set Digial combined meter indicating A,V,KW & KWh complete 1 set with CTs, indicating lamps,ELR with CBCT and Control fuses- 1set Outgoings: 40A DP MCB C curve for UPS-2no 40A DP MCB for lighting -1no 32A DP 100ma ELCB- 1no 10A SP MCB -9nos for lighting sub-distribution 32A DP MCB C curve for AC - 1no 32A DP MCB C curve for Fire Alarm & Board lights- 2nos 40A TPN MCB C curve for ATM - 1no 32A TPN C curve MCB for Raw power loads-1 no 32A TPN MCB as spare- 1no	set	1		
11b	Supply, Installation, Testing & commissioning of Sub-distribution	Nos	1		

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	Board for E Lobby with 1no 40A DP MCB C curve as incomer and 25A DP MCB- 3 nos as outgoing for distribution complete with wiring				
12	TELEPHONE WIRING				
a	Supply and laying 2 core copper pvc insulated telephone conductor in existing 19mm dia pvc conduit complete.	mtr	150		
b	Supply and laying 19mm dia pvc conduit for telephone wiring	Mtr	150		
c	Supply and fixing telephone crone box complete	set	1		
d	Supply,fixing RJ telephone socket	set	13		
e	Supply and fixing Hylam Sheet at existing lighting control pts.	Sq in	5		
13	Supply and Installation of flush/surface mounting of 250mm x 150 mm x 100-150 depth power supply indicator box with hinged door and knobs/screws for closing the door fitted with approved make bright colour power supply indicator of Red, Yellow, and blue colour complete with all internal wiring as per requirements.	set	1		
14	Supply and laying of (2 x1.5 sqmm) FRLSH insulated copper conductor wires of approved make in 19/20mm dia medium gauge rigid PVC conduit pipe with all accessories for running power supply wiring of lighting and UPS power supply indicator circuits.	mtrs	100		
15	Dismantling of Existing Wires, cables, non re-usable materials,etc	Job	1		
	<b>Total for Electrical works - PART A (Ex GST)</b>				
	<b>PART B - Air Conditioning</b>				
1	Supply of following INVERTER TYPE AC unit along with 3 Mtrs Refrigerant piping & cabling, irrespective of the number of circuits & stand for the condensing unit (Make: - Voltas / Blue Star / Carrier / Hitachi ) (Energy Rating : Minimum Three Star Rating)				
a	1.0 TR SPLIT AC UNIT	Nos	3.00		
c	2.0 TR SPLIT AC UNIT	Nos	1.00		
2	Installation, Testing & Commissioning of following INVERTER TYPE AC unit along with 3 Mtrs. Refrigerant piping & cabling, irrespective of the number of circuits & stand for the condensing unit (Suction line to be insulated with elastomeric nitrile rubber tubular insulation of 9mm thickness adhesive & joints sealed with black monsoon tape). Rate quoted should be inclusive of charges for core cutting and closing the same with sealant with smooth finish. (Make: - Voltas / Blue Star / Carrier / Hitachi ) (Energy Rating : Minimum Three Star Rating)				
a	1.0 TR SPLIT AC UNIT	Nos	3.00		
c	2.0 TR SPLIT AC UNIT	Nos	1.00		
3	SITC of digital voltage stabilizer of suitable capacity for Air-Conditioners	Nos	4.00		
4	SITC of 12.5 Sqmm and 6.25 Sqmm dia copper refrigerant pipe with Foam insulation between indoor and outdoor units, with breaking of wall wherever required for Split Air Conditioners	Rmt	5.00		
5	SITC of 19/25 mm PVC conduit pipe to be used as a drain water pipe. Through holes as made above	Rmt	5.00		

Signature of Bidder with seal

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6	Supply and Laying of electric control FRLS cable of 2.5 Sqmm	Rmt	10.00		
7	SITC of L shape / suitable shape M S frame stand for mounting outdoor units on wall / roof, complete with all fixing hardware.	Nos	4.00		
8	SITC of wall mounted Digital Cyclic Timer with 30A rating, time setting from 1hour to 12 hours, suitable for two A/c's with LCD display. Make: RMG automation, Dynamic Micro Tech (2 Hours on 2 Hours Off)	Nos	1.00		
<b>Total for Air Conditioning works - PART B (Ex GST)</b>					
<b>Gran Total- PART A + PART B (Ex GST)</b>					

Note: 1. Bank is at liberty to split the works for Part A & Part B  
2. Incomplete Tender will out rightly be rejected.

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