

इंडियन बैंक**Indian Bank****इलाहाबाद****ALLAHABAD****INDIAN BANK
ZONAL OFFICE KOLKATA CENTRAL****NOTICE INVITING TENDER FROM BANK'S EMPANELLED CONTRACTORS**

Indian Bank, Zonal Office Kolkata Central invites sealed tenders in the prescribed format on item rate basis (financial) **from the Bank's empanelled contractors** for proposed Electrical (including fittings) and Data Cabling Works in the existing Premises of Tollygunge Branch, at 76 Golf Club Road, Kolkata 700033.

Full details and Tender documents may be downloaded from Banks web site www.indianbank.co.in or may be obtained from Premises & Expenditure Department, Zonal Office Kolkata Central, 3rd Floor, 14, India Exchange Place, , Kolkata-700001, West Bengal, as per following programme.

1	Name of work	Electrical (including fittings) and Data Cabling Work in the existing Premises of Tollygunge Branch, Kolkata.
3	Period of completion	30 days to be reckoned from 5 TH day from the date of issue of the Work Order or handing over of site whichever is later.
4	Validity of Tender/ Quotation	90 Days from the date of opening
5	Defects Liability Period	12 Months from the date of virtual completion of work
6	Application Fee	Rs.500/-
7	Initial Security Deposit (ISD)	After acceptance of Work Order, Contractor shall submit ISD of 2% of the Bid / Contract Amount in the form of DD.
8	Retention Money (RM)	8% of the Bill Amount excluding Taxes
9	Total Security Deposit (TSD) = ISD + RM	10% of the Bid Amount (ISD - 2% & RM - 8%) ISD Amount will be refunded to Contractor within 14 days from the issue of Work Completion Certificate by the Architect and the Retention Money will be refunded after the completion of defect liability period.
10	Interim / Adhoc Payment	No Interim / Adhoc Payment will be paid
11	Payment terms	Payment will be made on satisfactory completion of the job on the basis of actual measurements. Income tax will be deducted as per the rules. Retention money 8% will be deducted from the bill and to be released after 12 months from the date of virtual completion provided no defects is observed during this period.
12	Documents to be attached with the Bill	Managers Completion Certificate, Manufacture Certification, Bills & Photographs showing completion status of work.
13	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 10% of final Contract value
14	Eligibility	BANK'S EMPANELLED CONTRACTORS

15	Tender Documents	Tender documents can be obtained from Indian Bank, Zonal Office, Kolkata Central, Premises Department, 3 rd Floor, 14, India Exchange Place, Kolkata-700001, from 16/11/2024 to 30/11/2024 upto 5 pm on all working days during office hours and / or can be downloaded from the Bank's website (www.indianbank.in) under Tenders column.
16	Last date of submission of tenders / quotation	30/11/2024 upto 5 pm at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata-1, 5 th Floor, 3 rd Floor, 14, India Exchange Place, Kolkata-700001.
17	Date of opening Tender	02/12/2024 at 11 am at Indian Bank, Zonal Office, Premises Department, Zonal Office Kolkata Central, 3 rd Floor, 14, India Exchange Place, Kolkata-700001.
18	Terms and conditions	As per Technical Bid part – B

Note:

4. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tender without assigning any reason whatsoever. Late / delayed tender shall not be accepted after due date and time of submission of tender.
5. The rates quoted by the tenderer shall be based only on the specifications and conditions of the tender documents.
6. Bank is not liable to make any payment to tenderers for preparation to submit the tender/bid/quotation.

Tenders Documents: -
A) Technical Part-A + Part B + Application Fee
B) Financial bid: Schedule of Quantity

The duly filled in offer completed in all respect in sealed cover marked "Financial Bid" and superscribing "ELECTRICAL (including fittings) and DATA CABLING" Works etc. at Existing premises of Tollygunge Branch on top and name, address, contact no. & e-mail id of the vendor at bottom left corner should be addressed to

The Zonal Manager
Indian Bank, Zonal Office: Kolkata Central,
3rd Floor, 14, India Exchange Place, Kolkata-700001, West Bengal

Date: 16.11.2024
Place: Kolkata


(DY ZONAL MANAGER)


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Indian Bank

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PREMISES DEPARTMENT, ZONAL OFFICE KOLKATA CENTRAL

TENDER DOCUMENT FOR BANK'S EMPANELLED CONTRACTORS FOR ELECTRICAL & DATA CABLING WORKS IN THE EXISTING PREMISES OF INDIAN BANK, TOLLYGUNGE BRANCH, KOLKATA

Ref:No : ZOKOL CENTRAL: PRM: TENDER:2024-25: 02

Date: 16.11.2024

Issued to:

M/S.
ADDRESS
CONTACT.....
E-MAIL:

Last date of submission of Tender	30/11/2024 upto 17:00 HRS at Indian Bank, Zonal Office, Kolkata Central, Premises Department, 3 rd Floor, 14, India Exchange Place, Kolkata -700001
Date of opening Tender	02/12/2024 at 11:00 HRS at Indian Bank, Zonal Office, Kolkata-Central, Premises Department, 3 rd Floor, 14, India Exchange Place, Kolkata -700001.
Cost Of Tender	Rs.500/-.

CONSULTANT:

M/s. BURMAN ET.AL

Architecture .Interior. Engineering. QAQC

Villa No:- 05, Basement, Block-2, Eros Garden, Charmwood Village, Surajkund Road, Faridabad, Haryana-121009, Tel : 0129-4876589, (M) : 9811210589, 8800147589. Email:- burmanetal2008@gmail.com, jburmanroy@gmail.com, burmanetal2008@gmail

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FORM OF TENDER

Technical part - A

Indian Bank
Zonal Office Kolkata Central
Premises Department
3rd Floor, 14, India Exchange Place
Kolkata-700001,
Dear Sir,

**SUB: Invitation of Tender for ELECTRICAL (INCLUDING FITTINGS) AND DATA
CABLING Work in the existing Premises of Tollygunge Branch, Kolkata**

I /we, being empanelled contractors of the Bank and having examined the drawings, specifications, conditions and schedule of quantities prepared by you, and satisfying ourselves as to the location of the site and working conditions, I/We hereby offer to execute the above works at the respective rates which I/We have quoted for the items in the Schedule of Quantities.

I/We herewith deposit **Rs.500 /- (Rupees Five Hundred Only)** by crossed demand draft payable at KOLKATA and drawn in favour of "Indian Bank" as Application Money for the due execution of the works at my/our tendered, together with any variations should the work be awarded to me/us.

In the event of this tender being accepted, I/We agree to enter into and execute the necessary contract required by you. I/We do hereby bind myself/ourselves to Deposit 2% of the work order as ISD (initial security deposit), if selected. The amount will be forfeited in the event of our refusal or delay in signing the Contract Agreement. I/We further agree to complete the work within the stipulated time specified in the Appendix to General Conditions of Contract.

The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tender without assigning any reason whatsoever.

I/We agree to keep our tender open for **90 (Ninety) days** from the date of opening of Envelope No.1.

I/We enclose the completed tender documents duly signed under sealed envelopes and the Application Money of Rs.500/- (Rupees Five Hundred only) by Bank Draft No. dated Issued by

Thanking you,

Yours faithfully,

[To be signed by the Authorized Representative of
Tenderer who has the Power to do so]

Place:

Date :

Witness Signature:

Name:

Address:

Seal:

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FORM OF TENDER

Technical Part B

**Electrical Works, Fittings and Data Cabling Works etc. at the existing premises of
Tollygunge Branch at 76, Golf Club Road, Kolkata -700033**

TERMS AND CONDITIONS

1. The Contractor is advised to inspect and examine the sites and satisfy himself as to the condition prevailing at sites and its surrounding extent of work, scope and conditions under which the work is to be executed. The contractor shall also satisfy himself about the accessibility to the premises.
2. The rate quoted in the tenders shall be inclusive of all materials as required.
3. Work will be completed within the period of 30 days from the work order whichever is earlier. If the work be not completed to the satisfaction of employer within the stipulated period, the contractor will be bound to pay to Indian Bank a sum equivalent to Rs. 2000/- per day subject to ceiling of 10% of the accepted contract amount by way of liquidated damages and not as penalty during which the work remains un commenced or unfinished after expiry of the completion date.
4. Contractors are required to submit time schedule of work. After completion of work, cleaning of floors, walls and the site shall be cleared of all rubbish in all respect. All holes shall be filled up and finished as per existing finishes.
5. The tenderer must obtain for himself on his own responsibility and at his own expenses all the information's which may be necessary for the purpose of filling this tender and for entering into a contract for the execution of the same and must examine the drawings and inspect the site of the work and acquaint himself with local conditions and matters pertaining thereto, nature and requirements of the work facilities of transport condition, access and storage of material. The tenderer shall provide in their tender the cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc. for proper execution of the work as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the architects might have deemed to have reasonably been inferred to be so existing before commencement of work.
6. Each of the tender documents is required to be signed by the person or persons submitting the tender in token of his having acquainted himself with all the conditions/ specifications as may be laid down. Any tender with any such document / paper not signed or with details marked as applied for shall be out rightly rejected. It will be obligatory on the part of tenderers to sign on all the pages of the tender. Conditional tenders shall be rejected. If any of the documents are missing or unsigned the tender shall be considered as invalid also rates not filled up in any item or marked as actual plus percentages shall make the tender as invalid and shall be rejected.
7. The tender form must be typed/written in ink and not by the pencil. The tenderer shall not make any correction/alteration on these documents. Over writing of figures is not permitted. Failure to comply with either of these conditions will render the tender void. No advice or any change in rates or conditions after submission of the tender will be entertained.

8. **Security deposit equivalent to 10% from each running bill shall be deducted and shall be returned after expiry of defect liability period of 12 months from the date of virtual completion as certified by the architect, provided to the satisfaction to the Bank.**
9. All compensation or other sums of money payable by the contractor to Indian Bank under the terms of this contract may be deducted from the security deposit or from any other sum that may be or may become due to the contractor on any account whatsoever and in the event of the security deposit being reduced by reason of such deductions the contractor shall within 7 days of being asked to do so make good in cash or cheque any sum or sums which may have been deducted from his security deposit.
10. In case where the same item of work is mentioned at more than one place in the schedule of quantities the lowest of the rates quoted by the contractor shall be taken into account for payment of the item.
11. The rates quoted shall be firm and shall include all costs, charges, freight, allowances, taxes, levies, taxes, royalties etc. as applicable. **GST should be mentioned separately. Taxes like TDS etc. shall be deducted from the bill(s) of the contractor as per prevailing rates.** In case of any exemption claimed in this regard the contractor shall submit requisite certificates from the respective departments to Indian Bank in advance.
12. Any damage done to the property of Indian Bank during execution of work shall be the responsibility of the contractor and it shall be made good by him at his cost to the entire satisfaction of consulting architect/ Indian Bank. The architect & engineer shall have full powers to get the material or workmanship etc. inspected and tested by an independent agency for its soundness and adequacy at the cost of contractor. Prior approval of brand and material of ISI make as per the general material specifications is sole discretion of engineer in-charge binding upon the contractor.
13. **The quantities contained in the schedule are approximate only.**
14. No advance shall be released to the contractors at the start of work. Only one running payment shall be made to the contractor as per the work progress after verification of running bill by the architect/ Bank. Tender shall be valid for a period of 3 months from the due date of its submission. **However, Indian Bank is not bound to accept the lowest or any tender and reserves the right to accept or reject any or all tenders either in whole or in part, without assigning any reason for the same. Conditional tenders are not acceptable and shall be summarily rejected. Further, no communication in this regard will be entertained.**
15. All items of work mentioned in the schedule of quantities are to be deemed and paid as completed works in all respects and details including preparatory and finishing works involved directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charge will be allowed in this connection. In the case of lump sum charges in the tender in respect of any item of works, the payment of such items of work will be made for actual work done on the basis of lump sum charges as will be assessed to be payable by Indian Bank/ Architect.
16. The tenderer should note that the tender is strictly on item rate basis and their attention is drawn on the fact that the rates for each and every item should be correct, workable and self-supporting and based on the specification schedule submitted herewith. Financial bids marked as percentages above or below the PWD BSR / CPWD BSR or any such other instrument would be summarily rejected. If called upon by Bank/ Architects detailed analysis of any or all the rates will have to be submitted. The Architects / Bank is not bound to recognize the contractor's analysis.
17. All designated material samples will be tested and inspected at contractor's expense if desired by the Bank at designated laboratories.
18. The contractor shall conform to the provision of all local byelaws and acts relating to the work and to the regulations etc. of the government and local authorities and of any company with whose system the building is supposed to be constructed. The contractor shall give all the notices required by the said act, rules and

regulation and byelaws etc. and pay all charges/ fees payable to such authorities for execution of the work involved. The cost if any shall be deemed to have been included in his quoted rates, taking into account all liabilities for licenses, fees for footpath encroachment, restoration etc. and shall indemnify the employer against such liabilities and shall defend all actions arising from such claims of liabilities.

19. For any further drawings/ details/ clarifications please have an advice through the Bank.
20. **Bank reserves the right to cancel all or any of the tenders and can change / drop/ reduce the quantities/ items mentioned in the schedule at any time, before placing of the order or even during execution. The decision of the Zonal Manager in all matters pertaining to the work execution shall be final and binding.**
21. Prior approval to be obtained in writing from project architect/ bank if any change made in the design/ execution of works.
22. Final bill will not be processed until rectification of defects pointed out by the project architect/ bank is carried out by the contractor.
23. All taxes and duties including sales Tax, E.S.I. charges etc. as applicable, Central or Octroi, Royalties, Interstate transportation etc. on works and materials required for use in this project shall be entirely borne & payable by the contractor. The Employer will not entertain any claim whatsoever in this respect. The rates shall be firm and shall not be subject to cost escalation of labour and material and exchange variations, labour conditions and other conditions whatsoever.
24. **Certified photocopies of – GSTIN, PAN Card, (exemption if any) shall need to be submitted along with all bills for issue of payment.**
25. After opening the envelope containing the offer on the standardized conditions and opening of the priced tender, no correspondence will be entertained.
26. **Incomplete tenders shall be rejected and no further communication in this regard will be entertained.**
27. **Indian Bank has the right to accept / reject any or all tenders without assigning any reasons whatsoever.**
28. The tenders shall remain open for acceptance by the bank for a period of 90 days from the date of opening of the second cover containing the priced tender.
29. The tenderer must use only the Tender forms / documents issued by the bank. If given space falls short for furnishing the information's, separate sheets may be added duly signed by the contractors.
30. **Each page of the tender document must be signed by the contractor.**
31. The Tender submitted on behalf of a Firm shall be signed by all the Partners of the Firm or by a Partner who has the necessary authority on behalf of the Firm to enter into the proposed contract otherwise the Tender may be rejected by the Owners.
32. The Contractor shall not assign the contract. He shall not sublet any portion of the Contract except with the written consent of the bank. In case of breach of these conditions, the bank may cause the Architect to serve a notice in writing on the Contractor rescinding the Contract where upon the Security Deposit shall stand forfeited to the bank, without prejudice to his other remedies against the Contractor.
33. The Contractor shall carry out all the work strictly in accordance with Drawings, details and instructions of the Architect/Bank. If changes have to be made in the design. The same will be done with the prior approval in

writing of the bank/ Architect. Contractor shall carry out the same without any extra charge. The Bank's decision in such cases shall be final and shall not be open to arbitration.

34. A Schedule of Probable Quantities in respect of each work and specifications accompany these special conditions. The schedule of Probable Quantities is liable to alteration by omissions, deductions or additions at the discretion of the Architect. Each Tender should contain not only the rates but also the value of each item of work entered in a separate column and all the items should be totalled in order to show the aggregate value of the entire Tender.
35. The Tenderer must obtain for himself on his own and at his own expenses all the information which may be necessary for the purpose of making a Tender and for entering into a Contract and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters appertaining there to.
36. The successful tenderer should make his own arrangements to store all the materials required for the work. No advance against materials purchased and brought at site will be made. The contractor will have to keep the materials at site under their safe custody and at their risk and cost. The Bank/ Owners of premises are not responsible for damages and losses of such materials brought at site.
37. Contractors are requested to note that no extra item or deviated item of work to be executed without taking prior permission from Bank/Architects, if the extra item or deviated item of work is executed without taking prior permission, Bank shall not be held responsible for the payment of such works executed.
38. Work should be executed only at the site under the supervision of a competent supervisor with strict quality control & workmanship Bank/ Architects may inspect the work during its execution at site.
39. No deviation in the specification and make would be acceptable.
40. All furniture such as counters, tables, etc. shall be computer compatible and shall have key board tray, CPU stand, etc.
41. The names of partners of the contractor's firm to be mentioned below :
 - (i)
 - (ii)
 - (iii)

Name of the partner of the firm authorized to sign Or Name of person having Power of Attorney to sign the Contract.
(Certified true copy of the Power of attorney should be attached)

42. The contractors are advised to inspect the drawings available with the Bank before submitting the Tender.
43. I/We are the empanelled Bank's contractors / firms. (letter enclosed)
44. There must be submission of "Single Line Diagram" for electric works and "As built" drawings in original (3 sets) should be a mandatory criteria before releasing final payments to contractor.

I / We hereby declare that I / We have read and understood the above instructions for the guidance of Tenderers.

Date:
Place:

Signature, Seal and address of Contractor

ELECTRICAL					
Sl.No	DESCRIPTION	UOM	QTY	RATE	AMOUNT
1	DBs & ACCESSORIES				
a	Supply, erection, testing and commissioning of 8 way Vertical sub MCB DB double door made out of 16 SWG CRCA Sheet, dust and vermin proof, wall mounting in recess /surface consisting of the following Make: Legrand/Hager Incomer : 63A 4P 100mA RCCB & 63A 4P MCB Isolator Make: Legrand/Hager Out goings: 25A SP MCB C Curve- 5 Nos, 40A TP MCB C curve -2 nos, 20A SP MCB C curve -4 no.s, 16A SP MCB C Curve- 2no.s, D.Jummy plates Make: Legrand/Hager	E	1.00		
b	Supply, erection, testing and commissioning of 4 way Horizontal TPN MCB DB made out of 16 SWG CRCA Sheet, dust and vermin proof, wall mounting in recess/ surface consisting of the following Make: Legrand/Hager Incomer : 25A 4P 30mA RCCB & 25A 4P MCB Isolator Make: Legrand/Hager Out goings: 6 - 15A SP MCB C Curve - 12 nos Make: Legrand/Hager	E	2.00		
c	Supply and fixing 4C A 4 Pole MCB Change Over with FP enclosure in recess/surface including all connections are required. Make: Legrand/Hager	E	1.00		
d	Supply and fixing 63 A 4 Pole MCB Change Over with FP enclosure in recess/surface including all connections are required. Make: Legrand/Hager	E	2.00		
2	WIRING FOR FIXTURES AND PLUG POINTS				
	Wiring for light /fan/ 6A sockets with 2 runs of 1.5Sq mm + 1.5 Sq.mm green PVC insulated FRLS Cu wire in medium gauge PVC conduits / casing capping controlled 6A SP switches of reputed make mounted on galvanized/ PVC boxes fixed on Modular plate in recess / surface including all connections are required. (Make: Legrand Arteor - Switch box & Accessories, RR Kabel / V Guard- FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)				
a	1 light controlled by 1 no. 6A SP switch	E	28.00		
b	2 light controlled by 1 no. 6A SP switch	E	14.00		
c	Wall mounted fan points including 6A socket controlled by 6A switch.	E	8.00		
d	Exhaust fan controlled by 1 no. 6A SP switch using ceiling rose.	E	4.00		
e	Ceiling fan points with step up type 300W electronic regulator & ceiling rose.	E	0.00		
f	6 A plug points 5 pin type (combination in position)	E	7.00		
g	6 A Plug points 5 pin type (Independent position)	E	8.00		
3	POWER POINTS				
a	Supply and fixing of 6/16A combined socket controlled by 1 no. 16A switch in Galvanised metal/PVC Boxes fixed on Modular face plates in recess/Surface including all connection as required. (Rawpower Socket) (Make: Legrand Arteor - Switch box & Accessories, RR Kabel / V Guard- FRLS Cu wire)	E	4.00		
b	Supply and fixing of 2 nos 6/16A combined socket controlled by independent 16A switch in Galvanised metal/PVC Boxes fixed on Modular face plates in recess/Surface including all connections are required for DATA HJB. (UPS Power socket) (Make: Legrand Arteor - Switch box & Accessories, RR Kabel/V Guard - FRLS Cu wire)	E	1.00		
c	Supply and wiring for 6/16 A socket point using 2 runs of 2.5 Sqm PVC insulated FRLS Cu wire along with 1 run 1.5 sq mm green CU wire as earth conductor through medium gauge PVC conduit in recess/surface including all required connections. (Make: RR Kabel/V Guard - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	40.00		
4	WIRING FOR CIRCUITS				
a	Supply and laying of wiring for Switch boards using 2 x2.5Sq mm PVC insulated FRLS Cu wire along with 1.5 Sq mm green colored Cu earth wire in recess/surface including all required connections from DB to Power sockets (Make: RR Kabel/V Guard - FRLS Cu Wire, Balco - Conduit & Accessories)	Mtr	142.00		
b	Circuit main wiring for lighting circuits of 2 runs of 1.5 Sqmm FRLS Cu wire along with 1.5 Sq.mm green Cu earth wire through medium gauge PVC conduit in recess/ surface including all required connections from DB to Light switch board. (Make: RR Kabel/V Guard - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	246.00		
5	COMPUTER WIRING				
a	Supply and erection of 3 nos 6A socket controlled by 1 no 16A switch in Galvanised metal/PVC Boxes fixed on Modular face plates in recess/Surface including all connection as required. (Computer Socket) (Make: Legrand Arteor - Switch box & Accessories, RR Kabel - FRLS Cu wire)	E	8.00		
b	Supply and wiring for Computer socket using 2 x1.5Sq mm PVC insulated FRLS Cu wire along with 1.5 Sq mm green colored earth Cu wire in PVC medium gauge conduit including all required connections.(From UPS DB to work stations) (Make: RR Kabel - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	225.00		
c	Supply and wiring for Computer socket using 2 x2.5Sq mm PVC insulated FRLS Cu wire along with 1.5 Sq mm green colored earth Cu wire in PVC medium gauge conduit including all required connections.(From UPS DB to looping of 2 nos computer sockets stations) (Make: RR Kabel/V Guard - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	E	12.00		
d	Supply and laying of 2 runs of 6 Sq mm and 1 run of 4 Sq mm PVC insulated FRLS Cu wire through PVC medium gauge conduits in recess /surface including all connections as required for UPS input / output supply.(Make: RR Kabel / V Guard- FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	32.00		
e	Supply, erection, testing and commissioning of 12 way SFN MCB DB double door made out of 16 SWG CRCA Sheet IP42/43, dust and vermin proof, wall mounting in recess /surface consisting of the following Make: Legrand/Hager Incomer : 32 A 2 pole MCB - 1 no Make: Legrand/Hager				

	Out going : 6/10A SP MCB - 10 nos Make: Legrand/Hager	E	1.00		
	f Supply and erection of 40 A 2 Pole MCB in DP enclosure made out of 16 SWG CRCA sheet IP 42/43, dust and vermin proof wall mounting in recess/surface for UPS in put. Make: Legrand/Hager	E	4.00		
6	AC POINT WIRING				
	a Supply and erection of 25 A SP MCB controlled metal clad enclouse with 2 Pin Socket and earth made out of 16 SWG CRCA sheet IP 42/43, dust and vermin proof wall mounting in recess/surface for Split AC input. Make: Legrand/Hager	E	5.00		
	b Supply and laying of 2 runs of 4 Sq mm and 1 run of 2.5 Sq mm PVC insulated FRLS Cu wire through PVC medium gauge onduits in recess /surface including all connections as required for Split AC input (Make: RR Kabel/V Guard - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	90.00		
	c Supply and erection of 40 A 4 Pole MCB in FP enclosure made out of 16 SWG CRCA sheet IP 42/43, dust and vermin proof wall mounting in recess/surface for Cassette AC Input. Make: Legrand/Hager	E	0.00		

	d Supply and laying of 4 runs of 4 Sq mm and 2 run of 2.5 Sq mm PVC insulated FRLS Cu wire through FVC medium gauge conduits in recess /surface including all connections as required for Cassette AC input (Make: RR Kabel/V Guard - FRLS Cu wire, Balco/Precision or ISI marked equivalent - medium gauge conduit & Accessories)	Mtr	0.00		
7.	FIXTURES				
	Erection of following fan/ lighting fixtures with suitable lamp on walls/ceiling beams etc with proper supports wherever necessary				
a	40W LED 600x600mm Square luminaries.	E	16.00		
c	18W LED Circular luminaries	E	32.00		
d	12W LED Circular luminaries	E	8.00		
e	20W LED /28V T5 4ft Luminaries	E	5.00		
f	LED profile light	ft	210.00		
g	Ceiling Mounted Fan	E	2.00		
h	300 mm sweep light duty Exhaust Fan	E	4.00		
i	Wall Mounted Fan	E	14.00		
8	TELEPHONE POINTS				
a	Supply and fixing RJ11 Telephone sockets with back box and front plates in recess/surface including all connections as required. Make: Legrand Arteor	E	3.00		
b	Supply and laying 2 pair 0.5mm annealed tint copper conductor telephone cable from telephone socket to EPBX. Make: RR Kabel/Finolex	Mtr	75.00		
c	Supply and installation of telephone junction box with chrome connector.	E	1.00		
9	BELL POINT				
d	Supply and installation of bell point including required length of wires, PVC back box and front plates with bell push in PVC medium gauge conduit in recess/surface. The specification includes the rate for ding dong bell. Make: Bell -GM, Switch & Accessories - Legrand Arteor, PVC medium gauge conduit & Accessories - Balco/Precision or ISI marked equivalent)	E	1.00		
10	GENERAL EARTHING				
	Supply and drawing bare earthing conductors of 3.15 mm copper conductor (1C SWG) along with wiring/ cables/ UG and giving connection as required.				
a	NO. 10 SWG Cu wire (Meter board to Main DB, Earth pit to UPS DB, Earth pit to pit)	Mtr	25.00		
b	Supply and providing pipe earthing as per IS 3043 with 3.60 m long 40 mm dia B class GI pipe, GI funnel with weld mesh, filling required quantity of chemical compound containing graphite and montmorillonite including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but including test joint, earth continuity conductor to the plate, and covering at the top. (Branch earthing -2 no. & UPS earthing - 1no.)	E	2.00		
c	Supply and providing plate earthing as per IS 3043 with 600x600x6.30 mm cu earth plate, 20 mm GI watering pipe fixed to the earth plate with 20 x 3 mm GI clamps, GI funnel with weld mesh, filling required quantity of chemical compound containing graphite and montmorillonite including construction of inspection chamber with a bed concrete of 1:4:8 PCC using 40 mm broken stone (10 cm thick), brick work in cement mortar 1:6, plastering the surface of brick masonry and the exposed surface of PCC bed with cement mortar 1:4, 12 mm thick, (the finished inside dimension shall be 300 x 300 x 300 mm) but including test joint, earth continuity conductor to the plate, and covering at the top. (in ordinary soil) (Branch Earthing -1 no. & UPS earthing - 1 No.)	E	1.00		
	Copper Rod chemical earthing				
d	Providing and fixing of maintenance free Earthing system comprises of molecularly bonded copper of 99.9% purity on low carbon steel of 3m length, having a diameter of 20mm with copper bonding thickness of 250 microns with selfcoupling peg & bore arrangement with fault current withstand capability of 20 KA rms value for 1 second and I peak of 50 KA. Universal Clamp made of SS 304 for clamping. Impact point on the bottom rod for easy insertion. Earth enhancing mineral compound is used for improving the soil conductivity. The material shall be mineral inert to sub soil and shall not pollute the environment and non corrosive to earth rod. The material should have a resistivity less than 0.2 Ohm. It should be free from hazardous substances. The mineral compounds required to have minimum 20 Kg of the total composite. If using chemical compound min 37.5 Kg is required. Polypropylene & Polyethylene Earth electrode inspection chamber with heavy duty cover should be used to cover the Earth Rod. The dimension shall be 170mmx 170mmx 170mm with a weight bearing capacity of 50KN. Make: Cape or Equivalent		1.00		
e	Supply and Installation of 25x3mm copper earth bus of approximate size 0.3 to 0.5Mtr including making holes, sockets, tinned processing etc. (Raw power earthing -01 no., UPS earthing -01 no.)		2.00		

11	CABLES & TERMINATIONS				
	Supply and laying the following XLPE insulated PVC sheathed armoured 1.1KV grade Aluminium / Copper conductor cable conforming to IS:1554 (part-1) in cable trenches or on concrete wall or through pipes as per specifications, including providing of cable route makers in every 50M and at all strategic turning/ diversion points etc. Necessary clamping should be providing while burying cables in prepared trenches etc.as per standards. Make: V Guard				
a.	Supply and laying of 3.5 core 35 sq.mm XLPE insulated PVC sheathed aluminum armored cable from meter board to Main VTPN DB , DG to Main change over Make: V Guard /RR/Polycab	Mtr	38.00		
b.	Supply and termination of 35 sq.mm Al cable gland Make: Jainson	E	2.00		
c.	Supply and laying of 4 core 6 sq.mm XLPE insulated PVC sheathed aluminum armored cable from main VTPN DB to Lighting DB , DG to Lighting DB Make: V Guard /RR/Polycab	Mtr	45.00		
d.	Supply and termination of 6 sq.mm Al cable gland Make: Jainson	E	8.00		
e.	Supply and laying 2x2.5 sq.mm +1x1.5 sq.mm FRLS CU wire through 20 mm PVC medium gauge conduit in recess /surface including all connections as required from DB to board light. Make: Cu wire - RR Kabel/V Guard, PVC Medium gauge conduit & Accessories - Balco/Precision or ISI marked equivalent	Mtr	120.00		