

*BANK OF INDIA  
HOWRAH ZONE*

*ESTATE & SERVICES DEPARTMENT*

*5, B.T.M.SARANI, 4th FLOOR  
KOLKATA-700 001*

**TENDER DOCUMENT**

**FOR**

**INTERIOR ELECTRICAL WORK**

**OF**

**"LILUAH (WEST) BRANCH "**

*AT*

*LILUAH STATION ROAD, DIST HOWRAH*

**ISSUE TO M/S .....**

.....

**ADDRESS : .....**

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## C O N T E N T S

SL. NO.	SECTION NO.	DESCRIPTION
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## **NOTICE INVITING TENDER**

**Inviting bids from Empanelled Electrical Contractor of Bank of India  
Howrah Zone for the following work.**

01	Name of work	Interior Electrical work of Liluah (West) Branch
02	Location	At Liluah on Liluah Station Road.
03	Earnest Money	<b>Earnest Deposit money Rs 5,000/-</b> (Rupees Five thousand Only) by crossed demand draft / Bankers cheque payable at Kolkata and drawn in favor of Bank of India.
04	Tender Documents Available	(i) Tender Documents available from Estate & Services Department of Zonal Office, Bank of India, Howrah Zone, 4th Floor, 5, B.T.M. Sarani, Kolkata-700 001 during office hours OR (ii) Tender documents may be downloaded from bank website <a href="http://www.bankofindia.co.in">www.bankofindia.co.in</a> <b>Available up to 2pm on 09-04-2024</b>
05	Submission of Tender Document	Tenders should be placed in sealed cover with the name of the work written on the envelopes and are to be submitted to the Zonal Manager, Estate & Services Department, Bank of India, Zonal Office, Kolkata,
		<p><b><u>ENVELOPE MARKED NO. 1, ( “EMD &amp; Forwarding letter”)</u></b> Envelope marked no 1 shall contain the following Documents and should be properly sealed condition. This envelope which shall be endorsed on the outside. <b>“EARNEST MONEY”</b></p> <ol style="list-style-type: none"> <li>1. Forwarding letter (without mentioning the cost of Tender value).</li> <li>2. Earnest money deposit of <b>Rs. 5,000/-</b> in form of Demand Draft/ Bankers cheque in favor of Bank of India, payable at Kolkata.</li> </ol> <p><b><u>ENVELOPE MARKED No.2 ( “FINANCIAL/ PRICE BID”)</u></b> Envelope marked No.2 shall contain the duly filled in Priced Bid in tender documents and envelop should be properly sealed condition This envelope which shall be endorsed on the outside. <b>FINANCIAL/ PRICE BID”</b></p> <p><b><u>ENVELOPE MARKED NO. 3</u></b> Envelope marked No.3 should contain Envelope marked No. 1 &amp; 2 in sealed condition. This envelope which shall be endorsed on the outside face <b>“TENDER FOR INTERIOR ELECTRICAL WORK OF LILUAH (WEST) BRANCH”</b></p>

06	Place of Submission of tender Documents	<i>At Zonal Office (Estate &amp; Services Department) , Bank of India, Howrah Zone, 4th Floor, 5,B.T.M.Sarani, Kolkata-700 001</i>
07	Last date and time of submission of Tender	<b>Up to 4:00 pm on 10-04-2024</b>
08	Time and date of opening of Bid	<b>At 3.00pm on 15-04-2024</b>
09	Time of completion	<b>60 days</b>
10	Validity of Tenders	<i>Two(2) weeks from the date of submission of Tender.</i>
11	Refund of EMD	<i>Earnest money (EMD) will be refund to the un successful bidder within 15days from the date of issuing work order in favor of successful bidder. And the successful bidder will be refund at the time of completion of entire job work and released final payment.</i>
12	Incomplete tenders	<i>Incomplete tenders are liable to be rejected.</i>
13	Staying arrangement of labourer group	<i>Bank will not permit/allow staying arrangement of any labourer within the branch premises after working hours. Contractor shall arrange own accommodation of labourer group.</i>
14	Disposal of debris	<i>All the debris related to the work to be disposed off by the contractor away from the site following all the rules and regulation of the local municipal authority</i>
15	Working hours	<i>Working hours is to be decided by branch Manager as per bank Security guidelines.</i>
16	Contact person of Bank of India	<i>Zonal office, Estate &amp; Service Deptt , Mr. Sakti Prosad Satpati Contract NO. 033 22623662/</i>

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

For  
Bank of India.  
Howrah Zone.

## **GENERAL RULES AND INSTRUCTIONS FOR THE GUIDANCE OF TENDERERS**

1. Tenderers are invited on behalf of Bank of India for Interior Electrical work of LILUAH (WEST) BRANCH Premises on first floor
2. The intending Tenderers shall visit the site and make himself thoroughly acquainted with the local site condition, nature and requirements of the work, facilities of the work, facilities of the transport condition, effective labour and materials, access and storage for materials and removal of rubbish etc.
3. Tenderers in only printed forms issued by the Bank should be placed in sealed covers addressed to Bank of India, Zonal Office, Howrah Zone, 4th Floor, 5, B.T.M. Sarani, Kolkata-700 001. The Tenderers should quote the figures as well as in words the rates and amount in figures only tendered by them. The language for filling Tender Documents shall be in English. The amount for each item should be marked out and requisite total given.
4. All correction shall be attested by the initials, of the Tenderers with the seal of the firm, in case any discrepancy / difference is found on checking between rates quoted by the contractor in words and figures or in the amount worked out by him, the following procedure shall be followed :
  - (a) When there is a difference between the rates in figures and in words, the rates which corresponds to, the amount worked out by the contractor, shall be taken correct.
  - (b) When the amount of any item is not worked out by the Contractor or it does not correspond which the rate written either in figure or in word, then the rate quoted by the Contractors in words shall be taken as correct.
  - (c) When the rate quoted by the Contractor in figures and in words tallies but the amount is not worked out correctly, rate quoted by the Contractor shall be taken as correct and not the amount.
  - (d) Amendments as mentioned above shall be based on the Tender marked original only.
5. The acceptance of a Tender with the Bank of India, Zonal Office, Howrah Zone, which does not bind itself to accept the lowest Tender and reserves to itself the authority to reject any or all the Tenders received without assignment of any reason. All Tenders in which of the prescribed conditions are fulfilled or are incomplete in any respect are liable to be rejected. The employer reserves the right to accept Tender in full or in part and the Tenderers shall have no claim for revision of rates or other conditions if his Tender is accepted in parts.
6. All rates shall be quoted on the proper form of the Tender alone. Special cares should be taken to write the rates in figures as well as in words and the amounts in figures only. The total amounts should be written in future. In case of figures the words Rs. Should be written before the figures of rupees and words paise after the decimal figures, e.g. Rs.2.15 and in case of words, the word Rupees should precede and the word "Paise" should be written closely following the amount and it should not be written in the next line.
7. Canvassing in connection in Tenders is strictly prohibited and tenders submitted by the Contractors who resort to canvassing will be liable to rejection.

8. Sales Tax or any other Tax on materials or on finished work in respect of this contract whether in vogue or likely to be imposed in future, shall be payable by the Contractor and the Employer will not entertain any claim whatsoever in this respect at any time. Rates should include all these Taxes.

**However for GST, the amount as per applicable rate will be paid to the contractor over & above the bill amount. Thus contractors in their financial bid should not include GST. in their quoted rate but should mention GST extra over bid amount. The GST registration number should also be mentioned.**

9. The Tender for work shall remain open for acceptance for a period of Two (2) weeks from the date of opening Tender. If any Tender withdraws his Tender before the said period, then the employer shall be a liberty to forfeit the earnest money paid along with the Tender.
10. It will be obligatory on the part of the Tenderer to tender and sign the Tender Documents for all the component parts.
11. A Certificate of Completion shall accompany the final bill of the Consultant. Payment of refunded in the manner as stated condition. In acceptance of payments of the final by the Contractor would indicate that he will have no further claim in respect of the work executed.

12. **CLEARING SITE ON COMPLETION & DURING WORK**

- a) The Contractor shall removed all dismantled material/debris from the site on daily.
- b) On completion of the entire work the Contractor shall clear away and remove from the site all constructional plant, surplus materials, debris and temporary work of every kind and leave the whose of the site and the work clean and in a workmanlike conditions to the satisfaction of the Employee / Consultant.

13. **TERMS OF PAYMENT**

- a) 90% to be released after completion of the entire work and handed over to the satisfaction and Certification of the project Consultant & Branch Manager.
- b) 10% to be released after the defect liability period of 12 months (from the date of final payment), without any interest.

14. **Submission of Bill**

Final bill shall be submit as per Tender BOQ format and attach the following :-

- a) Earth Test report.
- b) Electrical Load distribution report.
- c) LAN Drawing
- d) UPS Circuit drawing.

15. **LIQUIDATED DAMAGE**

The delivery and installation should be adhered as stipulated time, failing which liquidated damages @ 0.5% per week subject to maximum of 10% of the total order value shall be levied.

16. **DISMISSAL OF WORKMEN**

The Contractor shall on the request of Owner immediately dismiss from works any person employed thereon by him, who may in the opinion of the Owner be unsuitable or incompetent

or who may misconduct himself. Such discharges shall not be the basis of any claim for compensation or damages against the Owner or any of their officer or employee.

17. **NO COMPENSATION FOR ALTERATION IN, OR RESTRICTION OF WORK TO BE CARRIED OUT**

If at any time after the commencement of the work, the Owner shall for any reason whatsoever not require the whole work thereof as specified in the tender to be carried out the Owner shall give notice in writing of the fact to the Contractor who shall have no claim to any payment or compensation whatsoever on account of any profit or advantage with which he might have derived from the execution of the work in full, but which he did not derive in consequence of the full amount of the work not having been carried out; neither shall he have any claim for compensation by reason of any alterations having been made in the original specification, drawing, design and instructions which shall involve any curtailment of the work as originally contemplated.

The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the case of delays may be, including delays arising out of modifications to the work entrusted to him or in any sub-contract connected therewith or delays in awarding Contracts for other trades if the project or in commencement or completion of such works or in procuring Government controlled or other building materials or in obtaining water and power connection for the work or for the other reason whatsoever and the Employer shall not be liable for any claim in respect thereof. The Employer does not accept liability for any sum besides the Tender amount, subject to such variation as are provided for herein.

18. Intending tenderers who wish to be present at the time of opening of tenders may be present for opening of the tender.

19. The Contractor should arrange **Electrical supervisor &** electrician at site .The supervisor should be available at site when the work is in progress and also during inspection by Bank and project Consultant and if any electrical fault/ breakdown during execution of work.

20. The **work shall not be carried out within banking hours**. The Branch Manager shall be fixed working hours on holidays and working days. The Contractor shall not be create any problem, disturbance in branch/office during banking hours.

21 Labours below 18years are not allow within the work site.

22. The Contractor shall own arrangement for temporary shifting of all type of loose furniture except (Security type cabinet) within the premises when require during or before execution of work.

23. **DECLARATION**

I / We have inspected the site of works and have made me/us fully acquainted with the local conditions in and around the sites works. I / We hereby declare that I/We have gone through the conditions laid down in the Notice Inviting Tender, General Conditions of Contract, Technical Specifications and understood the same on the basis of the same I / We quoted our rates in the schedule of quantities with the tender document.

I / We shall also uniformly maintain such progress with the work, as may be directed by the

Owner to ensure completion of the same within the target date as mentioned in the tender document.

**24. TERMINATION OF CONTRACT BY EMPLOYER**

If the Contractor being a Company go in to liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of this creditors or shall enter into a deed or arrangement with his creditors, or if the Official assignee in insolvency, or the receiver or the Contractor in insolvency, shall be unable, within fourteen days after notice to him requiring him to do so, to show the reasonable satisfaction of the employer that he is able to carry out and fulfill the Contractor, and if so required by the Employer to give reasonable security there of or if the Contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the Contractors, or shall assign, charged or encumber this contract or any payment due or which may become due to the Contractor, there under or shall neglect or fail to observed and performed by the Contractor within three clear days after the notice shall have been given to the Contractor observe or perform the same or shall used importer materials or workmanship in carrying on the work of shall in the opinion of the employer not exercise such due diligence and make such due progress as would enable the work to be completed with due time agreed upon and shall failed to proceed to the satisfaction of the employer after three clear days notice requiring the Contractor so to do shall have been give to the Contractor as hereinafter mentioned or shall abandon the contract, then and in any of the said cases, the employer may notwithstanding previous waiver determine the contract by the notice in writing to the effect as hereinafter mentioned but without thereby effecting the powers of the employer of the obligation and liabilities of the contractors the while of which shall continue on force as fully as if the contract had not been so determine as if the work subsequently executed had been executed by or on behalf of the Contractor.

IF THE CONTRACTOR HAS BEEN TERMINATED THE EMPLOYER RESERVES THE RIGHT TO RECTIFY THE ITEMS AND COMPLETE THE JOB IN THE RISK AND COST OF THE TERMINATED VENDOR BY ANY OTHER APPROVED VENDOR.

For  
Bank of India.  
Howrah Zone.

**APPENDIX – I**

01	Name of Work	Interior Electrical work of Liluah (West) Branch
02	The site shall mean	The site shall mean the Bank of India Liluah (West) Branch , Howrah
03	Location of Work	On First floor at Liluah (West) Branch, Dist- Howrah



04	Scope of Work	As in 1 and 2 above and as further detailed in instruction Tenderer.
05	Date of Commencement Order	Within 7 (Seven) days from issue of work
06	Defect Liability Period	12 (Twelve) months from the date of release final payment.
07	Retention Percentage	10% of the final bill amount.
08	Limit of Variation	No extra / additional work should be carried out by the Contractor without prior consent / approval. Any sample to be made shall be at Contractor's cost for approval. Consultant has right to reject the completed work if any defect found with the specification / work. Authority or Consultant has right to change the layout during / before / after work for requirement of Branch.
09	Insurance	Successful Contractor shall have to take out Statutory Labour Laws Workman Compensation Act, Insurance Policy / Comprehensive Insurance Policy for the during of the work covering aspects such as fire hazards, earthquake, their party risk etc. receipt of premium paid.
10	Completion Time	The entire job will be completed within <b>60days</b> from the date of the Work Order.
11	Liquidated Damage	In the event of your failure to complete the work in all respect including site clearance and reinstatement of damage portion within the stipulated time. Liquidated damage @ 0.50% per week of delay shall be levied subject to a maximum of 10% of the total order value

12	Taxes & Duties	<p>The tenderers must include in their tender prices quoted for all duties royalties, cess and sales tax or any other taxes or local charges if applicable.</p> <p>No extra claim on this account will in any case be entertained in future due to any increase in such taxes, duties, etc. and it is payable solely by the contractor.</p> <p><b>However for GST, it would be payable to the contractor as per applicable rate, over the actual/final bill amount. This GST need not be included in the quoted rate.</b></p>
13	Period of Maintenance	12 months from certified virtual completion date.
14	% of Retention money from Interim Certificate as distinct from Initial Security	10 % of value of work done

	Deposit.	
15	Time payment	Interim payment 40% ,final payment 50% & 10% to be released after the defect liability period.
16	Venue of Arbitration	Kolkata (West Bengal)
17	Jurisdiction of Court.	Kolkata (West Bengal)

**TENDERER IS TO CHECK THAT THIS TENDER DOCUMENT INCLUDING INSTRUCTIONS, CONDITIONS, BILL OF QUANTITIES, DRAWING(S) ETC. ANY AMBIGUITY FOUND IN THE TENDER DOCUMENT SHALL BE BROUGHT TO THE NOTICE OF THE BANK IN WRITING BEFORE LAST DATE OF SUBMISSION OR ELSE THE TENDER IS LIABLE TO BE REJECTED CONSIDERING IT TO BE THE FAULT OF THE TENDERER.**

Signature of Bidder  
(With company Seal)

Date :

Place:

**LIST OF APPROVED MAKE MATERIALS**

SL. NO.	ITEM.	APPROVED MAKE.
1.	PVC insulated copper flexible wire (FRLS).	Havell's / Finolex / RR
2.	6 & 16 amp. Switch Piano & Modular Type, 5-in-1 combine, bell push, Electronic step Type fan Regulator, PVC Box & Plate Modular Type.	Anchor -Roma / Crabtree /MK/ABB/ SIEMENS.
3.	Bazzar, Bell & Ceiling Rose.	Anchor / MAX / KOLORS.
4.	Manual Side Handle TPN Main Switch.(SDF HRC)	L&T/ HPL./ legrand/SIEMENS.
5.	Manual Side Handel Chang-Over switch / Main Switch.	Standred / Havell's / SIEMENS.
6.	Miniature Circuit Breaker & MCB, Distribution Board, Isolator.	Standred / Havel's / SEIMENS/LEGRAND.
7.	Timer Switch, Contactor.	MDS Legrand / L & T/ LEGRAND
8.	Armoured ALU, Copper Cable.	/ Gloster / Crystal
9.	Fluorescent light fittings (all type) & Lamp / CFL Lamp.,LED light etc.	Philips / Havel's / Crompton
10.	Ceiling / Wall / Exhaust fan.	Crompton /Havel's/ Orient.
11.	A.C. starter with box & plate.	North-West/ Crabtree/Anchor-Roma.
12.	Cable socket & glands.	Dowell's/Arun/Comment.
13.	Rigid PVC conduit.	Plaza MMS/ BEC.
14.	Lamp holder (pendent, bracket or batten)	Anchor /SSK/KOLORS.
15.	Any other details are mention in Tender BOQ	

Signature of Bidder  
(With Seal)

**BOQ FOR INTERIOR ELECTRICAL,UPS CABLING WORK OF BANK OF INDIA  
LILUAH (West) BRANCH PREMISES ON 1<sup>ST</sup> FLOOR AT LILUAH STATION ROAD.  
DIST- HOWRAH**

Sl.	Description	Unit	Qty	Rate	Amount
<b>A</b>	<b>RAW POWER WIRING</b>				
<b>1.</b>	<b>Point Wiring</b>				
	The rates for the point wiring shall include providing and fixing of following:				
a	Wiring of the point of any length from distribution board to the point outlet excluding circuit wiring. Providing and fixing Modular Switch/ Sockets of Approved make with necessary modular series cover plate and MS Boxes, wiring. Earthing of all switch box and all outlet boxes fitting, fans, 3rd pin of plug with 1.50mm copper wire. Embedding all conduits in walls laying in slabs, above false ceiling or in floors including all accessories as required, cutting and refilling the chases with cement mortar.				
b	Supplying, laying, connecting & testing of light point, fan point, exhaust fan point, call bell point wiring by 2x1.5mmsq (2x3/.029) +1x1mmsq PVC insulated copper flexible wire maintaining the colour code of Red, Black & Green as per specification. The average <b>distance of switch board for point is 20feet..</b>				
Sl.	Description	unit	Qty	Rate	Amount
	Contd...item No-1			B/F	
c	The cables should be laid in <b>PVC</b>				

	<b>conduit</b> of 20mm dia(Ø) with ISI mark ( <b>Polycab/ Preeeti/Prestoplus</b> ) and 1.5mm wall thick. The PVC conduit is to be concealed in wall, partition with mending good the damages, complete with PVC circular junction box, flexible PVC in bend.				
d	For non false ceiling area, wall wiring above 9'-0" and over beam/column, flat PVC casing of 20 or 25 mm wide including 3 point ceiling rose wherever required to be provided. GI saddle to be used for fixing, PVC conduit/ flexible pipe may use if required in partition wall. No joints will be allowed inside pipe.				
e	The item includes Light, fan & 10AMP plug point complete with M.S Box, PVC Box, Modular type face plate, 10A Modular switches, ceiling rose , bulb holders, wall fan socket etc complete modular type fixtures.				
i	One point control by 01 switch.	Nos	26		
ii	2 Light points control by 01 switch	Nos	31		
iii	Ceiling fan point controlled by stepped regulator	Nos	06		
iv	Call bell point (Near entrance, in manager cabin & cash counter)	Nos	03		
v	Wall fan point separate socket & switch	Nos	27		
vi	Exhaust fan separate socket & switch	Nos	5		
2	<b>10 AMP.Power Points on Switch Board</b>	Nos	10		
	S/I/T/C of 1No. 6Am Multi Socket type) with cover plate on same face plate of the circuit switch board with 1No. 6Amp switch (Modular)				
Sl.	Description	unit	Qty	Rate B/F	Amount
3	<b>Circuit Wiring</b> The rate of the item includes following things:	Nos	14		
a	S/I/T/C of Circuit wiring with				

	2x2.5mmsq +1x1.5mmsq earth PVC insulated Copper Wire single core multi stranded wire, maintaining the colour code. <b>(The average distance of circuit board from main D.B would be 15Meter.)</b>				
b.	The cables should be laid in <b>PVC conduit</b> of 25mm thick dia(Ø) with ISI mark ( <b>Polycab/ Preeti/ Prestoplus</b> ) and 1.5mm wall thick. The PVC conduit is to be concealed in wall, partition with mending good the damages, complete with PVC circular junction box, flexible PVC pie in bend.				
c.	The item includes cutting of the wall for concealed laying of the PVC pipe, covering up with cement mortar, proper leveling				
d	The item includes the length of the cable i.e. from Main D.B to Circuit/Switch board points 10mts.				
4	<b>6 Amp. Power Points</b>				
	The rate of the item includes following things:	Nos	12		
b	The item to include M.S/PVC box, modular face plate, 6Amp 6 Pin multi socket with switch.				
c	The groove cutting on wall for conceal wiring has to be properly finished with cement mortar, leveled with putty and painted to matching colour.				
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
5	<b>16 Amp. Power Points</b>				
	The rate of the item includes following things:	Nos	6		
a	Supply, Laying of Circuit line 2x2.5sqmm+1x1.5mmsq PVC insulated copper wire in 20mm dia(Ø) ISI standard PVC conduit ( <b>Polycab/</b>				

	<b>Preeeti/ Prestoplus)</b> laid in concealed manner form DB to 16Amp Socket point. The average distance of power point from main DB is 15 meters.				
b	The item to include M.S/PVC box, modular face plate, 20AMP 6 Pin multi socket with switch.				
c	The groove cutting on wall for conceal wiring has to be properly finished with cement mortar, leveled with putty and painted to matching colour.				
6	<b>A/C Point Wiring</b>	Nos	10		
	The rate of the item includes following things:				
a	Supply/ laying / connecting/ testing & commissioning of individual connection for 2.2TR/ 2TR split A/C. with ( 2x6 sqmm + 1x2.5 sqmm) copper wire through ISI standard PVC conduit ( <b>Polycab/ Preeeti/ Prestoplus</b> ) in conceal manner. The average length of wiring for each A/C. point would be 15m from A/C DB.				
b	Supply fixing of M.S box in conceal manner with modular type A/C starter (18-25 Amps) complete with 20 amps socket in box ( North - West / Legrand / Havells Make) for Window / split unit with 25Amp 3pin top Contd....				
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
	Contd..(b) (North-West / Legrand /Havells) make socket. The modular type box would be fixed to the wall at a height of 6ft from floor level.				
c	The item to include all cost of groove cutting, filling the groove with cement mortar after laying of PVC conduit, M.S box.				

7	<b>Glow Signboard Point</b>	Job	1		
	The rate of the item includes following				
a	Supply/ Installation / Laying/Testing / Commissioning of main electrical cable line with three core 4 Sqmm (2x4.0 +1X3.0 sqmm ) cable through fire retardant PVC conduit ( <b>Polycab / Preeti/ Prestoplus</b> ) from main panel up to the glow sign board point near branch entrance ( the distance of the point would be approximately 10mtrs from DB)				
b	Supply/ installation/ testing/ commissioning 1nos. of 20 amps DP mcb with it's metal enclosure, provision for connecting earthing etc. and complete at main entrance for Glow sign board				
c	S/I/T/C of 01Nos. Timer of 25Amp ( <b>ABB/ LEGRAND make</b> ) for glow signboard along with it's enclosure and contractor 24 Hrs in original housing (Vendor <b>has to give a warranty of one year upon the timer</b> ).				
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
8	<b>Wiring for Gen set Power</b>				
a	Supply, laying and fixing of main power with 25mm sq 4 core PVC insulated, PVC sheathed Alu. Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bare GI.wire as running earth. From genset power up to Main DB.	Mts	30		
b	End termination of 25 sqmm 4 Core armoured cable, complete with brass cable gland, Alu. Lug, PVC tape	Ends	4		
c	40A, TPN MCB with SM box for generator main control. To provide	No	1		



	near gen set, if there is no gen set panel.				
9	<b>Raw Power Distribution Box</b>				
	<p>1.All the connections has to be made with Copper LUGS/ SHOCKETS.</p> <p>2. Metal glands to be used in incomer points of DBs.</p> <p>3.All the DBs, metal boxes, are not be mounted directly on wall it has to be mounted on (4'X4') ,16mm Bison Panel Board fixed to wall over grid of aluminum sections.</p> <p><b>The cost of the main D.B includes all cost of following items:</b></p>				
a	<b>SURGE PROTECTOR:</b> Supply & installation of " PHOENIX / L&T" make 4pole 440volts 3phase + neutral KA surge protection device with metal enclosure at main panel spot including supply necessary Cu cables with connection.	Set	1		
Sl.	Description	unit	Qty	Rate	Amount
	Contd,,,Item No-9			B/F	
b	<b>MCCB:</b> S/I/T/C of L&T make 100A 4Pole 50KA MCCB with it's metal enclosure the connection has to be done with copper LUG/ SHOCKET 1No. at Meter spot & 1No.panel	Set	2		
c	<b>DG Change Over:</b> Supply, fixing and connection of 63A, 4pole C/O switch only for light run from gen. set. Including all necessary Copper Lugs, cable, tape all complete and testing	Set	1		
d	<b>BUS Bar:</b> Supply, fixing and connection of 4 pole 63Amp Copper Bus bar including sheet metal housing with hinge cover and locking arrangement to fix on angle iron frame including copper wires. (as	Set	1		

	main bus bar).All material complete. necessary Cable lug and. There should be a provision of RYB indicator in the metal box or separately over it.				
e	<b>Lighting D.B:</b> Supply, fixing and connection of prefabricated readymade D.B Havell's/MDS make double door 4way TPN MCB along with following complete:				
	i.4way TPN MCB DB with 40A TPN				
	ii.MCB as main				
	iii.10A SPMCB - 6 nos, 16A SPMCB 4nos, 25A SPMCB-2Nos.				
	iv. Including Neutral & Earthing bar.				
f	150x100mm enamel <b>Danger</b> board 440 volt. One board to fixed on each D.B.+ busbar and all inter connection.	Set	1		
g	Supply & delivery 4 TEX make ISI matk 1mtr. X 1mtr. Size3/4 " dia rubber matt to be laid in front of DB.	No	1		
Sl.	Description	unit	Qty	Rate	Amount
	Contd,,,Item No-9			B/F	
h	<b>Power D.B: for</b> Supply, fixing and connection of prefabricated readymade D.B Havell's/ MDS make double door 4way TPN along with following complete:	set	1		
	i.4way TPN MCB DB with 63A TPN				
	ii.MCB as main				
	iii.10A SPMCB - 8 nos, 25A SPMCB - 6 nos.				
	iv. Including Neutral Bar & Earthing bar.				
i	3 Nos external <b>power indicator light</b> (in one M.S. box) + Bakelite hylam cover complete with 3 nos. safty fuse.+ 3nos bottom holder 3 nos 15W, lamp.(Red,Yellow,Blue one each).	Set	1		
j	The cost is inclusive of all cost of Supply laying & connection of 4x16sqmm +1x4sqmm PVC insulated copper wire from meter lug to Bus bar	L.S	1		

	& all inter connection among all the DBs, lugs, sockets, glands and all equipments in electrical panel box. <b>( Lumpsum)</b>				
10/a	Main power cable. 35 sq.mm. 4 core with 2 nos 10 no copper wire as running earthing from meter spot to 1st floor panel.	Mts	30		
b	End termination of 35 sq. mm. 4 core armoured cable with cable gland	Nos	2		
11/a	Show light point 2No at ledger counter and 3 nos at cash counter (show light) with supply of 9W LED lamp 2-Light controlled 1- 6A switch	Sets	5		
b	Supply of 18" 12W LED tube set complete Two light controlled by one 5A switch.	Sets	4		
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
12	<b>Earthing Station</b>				
	The cost of the item includes following:-				
a	Spike Earthing with G.I. Electorde 3mts. Longx50 mm dia (Class - B) including accessories and providing masonary enclosure with cover C.I 300x300mm plate having locking arrangement and watering funnel Etc. with charcoal, sand & salt at alternate layer as required for electrical panel earthing. -( 2 Nos For power panel & 2Nos for UPS panel )	Set	4		
b	Supply laying 2x10SWG copper bear wire from earth spike to 1 <sup>st</sup> floor main DB.(Electrolyte wire)	Mts	60		
c	Do but with 1x16mmsq insulated copper wire from earth spike to 1 <sup>st</sup> floor UPS earth bus bar through PVC rigid 20mm dia ISI mark.	Mts	60		
d	Supply and fixing of earth bus bar of				

	25mm (W) x 3mm (Thk.) X 200 mm (L) complete with brass nut bolt washer – 4 nos and bus insulator. (1 UPS+1 power)	Nos	2		
e	The earthing would be considered as properly done if the reading lies between 0-2 Ohms.				
	<b>Total of (A) Raw Power wiring</b>				
Sl.	Description	unit	Qty	Rate	Amount
B	<b>UPS related wiring</b>				
1	<b>UPS main wiring</b>				
	Supply, installation and termination of UPS incoming power line (for 2Nos. of UPS) with 2x10 sqmm. +1x2.5 sqmm (as earth) PVC insulated copper flexible wire rest same as item no. 3 from BUS bar in main panel to UPS via c/o switch	Mts	32		
2	<b>UPS Light Point with wiring</b>				
	Supplying, laying, connecting & testing of light point wiring by 2x1.5sqmm +1x1sqmm PVC insulated copper flexible wire <b>(average length of each point from circuit/switch board is 10Meter)</b> . The item includes Light point complete with M.S Box, PVC Box, Modular type face plate, & MS box, 10A Modular switches LED 18W bulb & holders etc. One light point control by 01 switch. The colour of the face plate of switch board would be different from that of the face plate of RAW power point switch board to distinguish it from others.	Set	4		
3	<b>UPS Power point Circuit wiring</b>				
	Supply, fixing & connection of UPS				

	circuit line with 2x2.5+1x1.5mmsq through P.V.C. conduit 20mm Ø 1.5 MM. thick wall, with ISI mark, to lay from UPS DB to plug point board. The PVC conduit should be laid in concealed manner. The item to include PVC modular box, switch socket etc. The average distance of the power boards is 35ft. from UPS DB				
Sl.	Description	unit	Qty	Rate	Amount
	Contd---Item No-3			B/F	
a	<b>3Nos x 6Amps +1Nox16 Amps</b> modular 6 pin socket + 2 x 20A switch in 12module face plate as per direction or under the table at a height of 22"..	Set	12		
b	<b>2Nos x 6Amps +2Nox16 Amps</b> modular 6 pin socket +1Nos x 6Amp &1x16Amp switch) on same board in 12module face plate as per direction or under the table at a height of 22".	Set	8		
c	<b>2Nos x 6Amps</b> modular 6 pin socket +2Nos x 6Amp switch) on same board in 6 module face plate as per direction	Set	4		
4	<b>U.P.S Power Distribution Box</b>				
a	Supply, laying & connection of UPS incoming power line with 2x10 mmsq + 1x 2.5mmsq PVC insulated copper flexible wire from main bus in electrical panel as per drawing	Mts	60		
b	Supply installation and termination of UPS outgoing power distribution system with 12Way SPN DB comprising 10x10Amps SP MCB & 25 Amps DP RCBO 300MA as main. MDS make IP-42 Double Door.	No	3		
c	Supply & providing 32 A, 2 pole change over with M. S housing side handle, connection in UPS incoming power circuit and 2Nos. 32 A, 2 pole change over to provide on UPS out	Set	1		

	going circuit complete with connection & testing (4nos, 2 pole, 32 A change over switch require for the job including all material require for circuit.)				
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
d	40Amp,DP MCB with M.S box for UPS incoming & outgoing.	Nos	4		
e	Supply, installation and termination of UPS outgoing power line with 2x6sqmm. +1x2.5 sqmm. (as earth) PVC insulated copper flexible wire from UPS to 3 nos outgoing UPS DB via change over switch.	Mts	30		
	<b>Total of part-B UPS wiring</b>				
C	<b>ELECTRICAL FITTING AND FIXTURES</b>				
	Supply, Fixing & Connection of Light Fittings With Lamp & Fans ( HAVELLS/ PHILLIPS/ CG)				
1	Supply, Installation, testing & commissioning with all accessories of <b>600x600, 36W LED</b> panel lights ( PHILLIPS-RC-370/ HAVELLS-PLUTO ,LHEWEIP7PW1W028) to hang from true ceiling by 25x3 mm M.S flat with nuts and bolt	Sets	28		
2	Supply, Installation testing & commissioning of, round type <b>150 dia 12W LED down light</b> [PHILLIPS-ASTRA/ HAVELLS-5700K ENDURA DL NEO (LHEJNP7CPZ1W012).	Sets	35		
3	Supply, Installation testing & commissioning of <b>18W, square type 200x200 LED down light</b> [PHILLIPS- ASTRA/ HAVELLS-5700K ENDURA DL NEO (LHEJNP7CPZ1W012).	Sets	4		
4	Supply, Installation, testing &	Sets	17		

	commissioning of 4'-0" long <b>20W LED batten light</b> (Phillips- PL5/ Havells- <b>ENDURA LINERA NEO</b> (LHEWEBP6IN1W020)).				
Sl.	Description	unit	Qty	Rate	Amount
				B/F	
5	Supply, installation, testing & commissioning of high speed <b>Wall Oscillator fan 400 mm Dia</b> 230 volt A.C of ( HAVELLS-SWING PLATINA WHITE /CG MAKE - CROMPTON HI FLO WAVE).	Nos	27		
6	<b>Ceiling fan 48" sweep</b> 230 volt A.C.(CROMPTON/HAVELLS/Orient ) with step up type regulator, " S" hook cutting with plastering and cable connection complete	Nos	6		
7	Electronics calling bell with multi tune option (Anchor/Cona/Havells make)	Nos	3		
	<b>Total of Electrical Fixture</b>				
D	DATA CABLING WORK				
1	Providing laying testing CAT-6 UTP Cable (DIGILINK/DIGISOL/ D-Link) supply and UTP cable laying by concealed wiring through wall or floor or wooden partition with ISI PVC pipe and partial casing including all wall cutting and repairing with cement plaster etc. all complete for 19 Points (including DG-TV,PBK & CDK	Mts	320		
2	2UTP Cable laying with ISI PVC pipe including all accessories	Mts	300		
3	Providing laying testing CAT-6 Single IO box & socket with supplying and setting (DIGILINK / DIGISOL)	Nos	16		
4	Providing laying testing CAT-6 Mounting Cord -2Mtr supplying (DIGILINK / DIGISOL	Nos	16		
5	Providing laying testing CAT-6 Mounting Cord -1Mtr supplying	Nos	16		

[illegible]



<b>SUMMARY SHEET</b>		
Sl.No	Description	Amount (Rs)
1	Total of Part-A Electrical work	
2	Total of Part- B UPS cabling work	
3	Total of Part-C Electrical fittings	
4	Total of Part-D Data cabling work	
5	Total of Part-E Pre work	
6	Sub Total	
7	<b><u>Less Buy back value</u></b> Buy back value of existing Electrical fittings & Equipments (only from the renovation portion),	<b>20,000.00</b>
8	<b>Gross Total</b>	

(Rupees.....only)

I/We have gone through the details specification of the quotation paper and work to be executed .I/We agree to complete the work in quoted price as above mentioned abiding by all rules, regulation specification mentioned in the quotation.

Date.....

Mobile No.....

Signature of the bidder with Seal

& E-mail ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,