



LARGE CORPORATE BRANCH, MUMBAI

210, B-Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai 400 021

REQUEST FOR QUOTATION (RFQ) FOR PROPOSED ELECTRICAL MODIFICATION WORK AT LARGE CORPORATE BRANCH, NARIMAN POINT, MUMBAI

Last date for submission of Quotation	16/03/2026 upto 17:00 HRS at Indian Bank, LCB Mumbai, 210, B-Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai 400 021
Date of Opening of Quotation	17/03/2026 at 11:30 HRS at Indian Bank, LCB Mumbai, 210, B-Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai 400 021

ARCHITECT
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Architect & Interior Designer

1001, Eleven Heights, Sant Gora Kumbhar Marg, Kumbharwada, Dharavi, Mumbai - 400017



LARGE CORPORATE BRANCH, MUMBAI

NOTICE INVITING QUOTATION

Indian Bank invites sealed competitive quotations from the established and reputed Electrical Vendor empaneled in Indian Bank and having sound technical and financial capacity to do proposed electrical modification works in our Large Corporate Branch located at Nariman Point, Mumbai. The RFQ can be downloaded from the Bank's website (www.indianbank.bank.in) under Tender Column.

1	Name of work	PROPOSED ELECTRICAL MODIFICATION WORKS AT LARGE CORPORATE BRANCH, NARIMAN POINT, MUMBAI
2	Period of completion	30 days to be reckoned from 3 RD day from the date of issue of the Work Order or handing over of site whichever is later
3	Validity of Quotation	90 Days from the date of opening
4	Defects Liability Period	12 Months from the date of virtual completion of work
5	Earnest Money Deposit	Rs.1700/- (Rupees One Thousand Seven Hundred Only) by way of DD in favour of Indian Bank payable at Mumbai <i>*Firms registered with MSME / NSIC with valid certificates issued by GOI are exempted from submitting EMD along with bid.</i>
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 in the name of "Indian Bank" payable at Mumbai within 5 days from the date of allotment of work.
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%)
10	Release of Retention Money	Retention Money will be released within 30 days after satisfactory completion of defect liability period and defects free as per the contract clauses.
11	Interim / Adhoc Payment	No Advance or Interim Payment during the execution of work
12	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 10% of final Contract value
13	Quotation Documents	Quotation documents can be obtained from the Bank's website (www.indianbank.bank.in) under Tenders column.
14	Last date for the submission of Quotation	16/03/2026 upto 17:00 HRS at Indian Bank, LCB Mumbai, 210, B-Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai 400 021
15	Date of opening of Quotation	17/03/2026 at 11:30 HRS at Indian Bank, LCB Mumbai, 210, B-Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai 400 021



<p>16</p>	<p>Minimum Eligibility Criteria</p>	<p>1. Should be empanelled in Indian Bank <i>Kindly enclose valid Empanelment Letters.</i></p> <p>2. The Contractor/Vendor should be in same line of activity for at least last 7 Years in the Market ending on 31.12.2025. <i>Please furnish Work Order along with copy of tax invoice / Client's Completion Certificate to confirm the same.</i></p> <p>3. Should have Registered Office in Mumbai / Mumbai Suburban / Thane Districts <i>Please furnish requisite document as proof.</i></p> <ul style="list-style-type: none"> • Should have carried out similar work of value in the last 3 years (ending 30.06.2025). At least three (3) similar works of value not less than Rs.0.80 Lakh each <p><i>Copy of Work Order / Completion Certificate showing value of work satisfying the above eligibility criteria is to be enclosed.</i></p> <p>Similar works means: Electrical Wiring Works and Supply and Fixing of Electrical Fixtures, etc)</p> <p>4. Should have valid GST No. & PAN No</p> <p><i>The bidders must satisfy the above criteria and furnish the relevant documents as proof. If the Vendors fails to provide relevant documents and meet the minimum eligibility criteria as mentioned above, Bank can disqualify the bidder without assigning any reason whatsoever.</i></p>
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Note:

1. Vendors are required to submit the quotation in sealed cover along with necessary documents. The envelope should be super-scribed "**Quotation for Proposed Electrical Modification Work at LCB Mumbai**" and **addressed** to the "**Deputy General Manager, Indian Bank, LCB Mumbai, 210, B Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai**".
2. Conditional quotations, late quotations, quotations without EMD will be summarily rejected. Any quotations received open, late or not meeting all the conditions / quotations not filled up in Pen are liable to be rejected.
3. Earnest money will not carry any interest.
4. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from taking up the work in Indian Bank.
5. The Bank reserves the right to verify the particulars furnished by the applicant independently.
6. Bank is not bound to accept the Lowest (L1) vendor and reserves the right to accept or reject any or all the quotations without assigning any reason whatsoever.



7. Submission of this quotation document by a bidder implies that he/she has read this notice and other documents and has made himself aware of the scope, specifications, conditions, liabilities and duties bearing on the execution of the contract.
8. Return of EMD of remaining bidders who were unsuccessful in the bidding process will be done within a reasonable time say not exceeding 7 days from the date of acceptance of quotations submitted by the L1 bidder.
9. Each and every page of the document and correspondences accompanying this quotation shall have to be duly signed and stamped by the Bidder / Authorised Signatory before submission.
10. The rates quoted by the bidder shall be based on the conditions of site and specifications mentioned in the quotation.
11. Bank is not liable to make any payment to bidders for preparation to submit the quote.
12. Clarifications, if any, pertaining to this quotation request may be referred to Indian Bank, Large Corporate Branch, Mumbai through E-mail Id – lcbmumbai@indianbank.co.in

DEPUTY GENERAL MANAGER



FORM OF QUOTATION

The Deputy General Manager
Indian Bank
Large Corporate Branch,
Nariman Point, Mumbai

Dear Sir,

**SUB: PROPOSED ELECTRICAL MODIFICATION WORK AT LARGE CORPORATE BRANCH,
NARIMAN POINT, MUMBAI**

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 further agree to complete the work within the stipulated time as specified by the Bank in this document.

I / We understand that Indian Bank is not bound to accept the lowest quote or bound to assign any reasons for rejecting our quote.

In the event of this quotation being accepted, I/We agree to enter into and execute the necessary contract required by you. I/We do hereby bind myself/ourselves to forfeit the aforesaid Earnest Money Deposit of **Rs.1700/- (Rupees One Thousand Seven Hundred Only)** in the event of our refusal or delay in signing the Contract Agreement.

I / We understand that Indian Bank may award the work to more than one Contractor and I / We shall make no claims whatsoever if Indian Bank accepts only a part of my / our quotation.

I / We unconditionally agree to Indian Bank's conditions as stipulated in the Documents.

I/We agree to keep our bid open for **90 (Ninety) days** from the date of opening of quotation.

I / We agree that incase of my / our failure to execute the work in accordance with the specifications and instructions received from the Bank during the course of the work, Bank reserves the right to terminate my work order and recover all the dues to the Bank from the payment receivable by me. Further, I may also be barred from participating in any type of bid or Tender invited by Bank or its subsidiaries in future.

Thanking you,

Yours faithfully,

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

Place:

Date :

Name:

Address:

Seal:

GENERAL INFORMATION OF THE FIRM

1	Name of the Applicant / Firm / Organization	
2	Registered Address of the Firm	
3	CONTACT DETAILS Landline No - Mobile No - Email Id -	
4	EMD Details (i) Amount (Rs.) - (ii) Demand Draft No. - (iii) Name of the Bank - (iv) Date - <i>(Please submit EMD Details. If exempted, please submit requisite proof in the form of copy of self-attested valid certification from MSME and NSIC.)</i>	
5	Constitution of Firm	Sole Proprietorship / Partnership / Private Ltd. / Public Ltd / Any other (Please specify)
7	Name of the Proprietor/ Partners / Directors of the Organization / Firm	
8	Name/s of Authorized Signatory/ Directors / Partners	
9	Whether registered as MSME Organization?	YES / NO



10	Whether empanelled with Indian Bank (Enclose Empanelment letter)	YES / NO
11	Banker's Details – (Please attach copy of cancelled cheque as proof) (i) Banker's Name : (ii) Account No. : (iii) Type of Account : (iv) IFSC :
12	Registration with the Government Authorities (Enclose certified copies of documents as evidence) If firm is exempt from ESI & EPF registration as per extant guidelines, fill N.A. and an undertaking is to be submitted stating the same.	
	a) Income Tax (PAN) No. ii) Goods & Service Tax (GST) No. iii) Labour License iv) ESI v) EPF
13	Whether last three years IT returns filed	YES / NO
14	Information relating to whether any litigation is pending before any Arbitrator for adjudication of any litigation or else any litigation was disposed of during the last five years by an arbitrator. If so, the details of such litigation are required to be submitted.	
15	Has the applicant or any constituent partner in case of partnership firm/ Company, ever abandoned the awarded work before its completion? If so, give the name of the project and give reasons thereof.	



16	Has the applicant or any constituent partner in case of partnership firm / Company, ever been debarred/black listed for tendering in any organization at any time? If so, give details	
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DECLARATION –

1. All the information furnished by me/us here above is correct to the best of my knowledge and belief.
2. I/We have no objection if enquiries are made about the work listed by me.
3. I/We agree that the decision of Indian Bank in selection of vendor will be final and binding to me/ us.
4. I/We hereby confirm that our firm/agency/company has not been disqualified / debarred / blacklisted by any Governments, Semi-governments, PSUs, and Banks including any of the Offices / Branch of Indian Bank Pan India during last 5 year from the date of application.
5. I/We hereby confirm that all information, particulars, copies of certificates and testimonials provided are correct and genuine. I am / We are, therefore, liable to face appropriate actions as deemed fit by the Indian Bank in the event of any of the information, particulars, copies of certificates and testimonials are not found correct and genuine. I/We have read the instructions appended to the proforma and I/we understand that if any false information is detected at a later date, the contract shall be cancelled at the discretion of the Indian Bank.

PLACE –

DATE –

SIGNATURE OF CONTRACTOR

NAME & DESIGNATION –

SEAL OF ORGANISATION -



GENERAL TERMS AND CONDITIONS

1. Definition of Terms / Interpretation:

- Employer/Owner/Bank /Indian Bank/ Accepting Authority shall mean Indian Bank with their Corporate Office at No. 254-260, Avvai Shanmugam Salai, Royapettah, Chennai – 600 014 inter-alia having their Large Corporate Branch at 210, B Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai and any of its employees representative authorized on their behalf.
- Throughout these bidding documents, the terms “bid” and “quotation” are Synonymous.
- Day means calendar day. Singular also means plural
- “Contractor” means the person whose quotation has been accepted by the Employer and the legal successors in title to such person, but not (except with the consent of the Employer) any assignee of such person.
- Bidder : The term ‘Bidder’ shall mean the individual or firm or company whether incorporated or not, undertaking the work and shall include legal representative(s) of such individuals or persons composing such firm or company or successors of such firm or company as the case may be and permitted assigns of such individual or firm or company.

2. Submission of Quotation :

The Quotation must be submitted in Original or as per details given here under.

Vendors are required to submit the quotation in sealed cover along with necessary documents. The envelope should be super-scribed “**Quotation for Proposed Electrical Modification Work at LCB Mumbai**” and addressed to the “**Deputy General Manager, Indian Bank, LCB Mumbai, 210, B Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai**”.

3. Qualifying Criteria :

As given in Minimum Eligibility Criteria.

Additional Information –

Even though the bidders meet the above qualifying criteria, they are liable to be disqualified if they have :

- Submitted any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;
- Records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, penalty, litigation history or financial failures etc.
- Their business banned by any Central or State Govt. Department / Public Sector Undertakings / Public Sector Bank’s
- Not submitted all the supporting documents or not furnished the relevant details.
- Any one of the partners (in case of partnership firm) or any Directors in case of Pvt Ltd., or Public Ltd firm being convicted by a Court of law.

4. Site Visit :

- The bidder is advised to visit (upon prior approval), and examine the Site of Works and its surroundings and obtain for itself on its own responsibility and cost all information that



may be necessary for submitting the quotation and entering into a contract for the Works as mentioned in quotation document.

- The bidder and any of its personnel with authority letter will be granted permission by the Employer / Owner to enter upon its premises, but only upon the express condition that the bidder, its personnel, and agents, will release and indemnify the Employer/Owner and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
 - Before submitting the Bid, the bidder shall be deemed to have satisfied himself by actual inspection of the site and locality of the works, Traffic conditions / restrictions, Availability of parking space, Transportation of materials that all conditions liable to be encountered during the execution of the works are taken into account and that the quoted rates are adequate and all inclusive for the completion of work to the entire satisfaction of the Employer/Owner.
5. The Indian Bank does not bind itself to accept the lowest quote and reserves to itself the right of accepting the whole or any part of the quotation and the firm shall be bound to perform the same at the rate mentioned .
6. The rate quoted by the firm shall be net (excluding GST), up to the stage of incorporation and handing over site. All taxes including (excluding GST) or any other tax on material or on finished works like Turn-over Tax, including taxes that may be newly introduced subsequent to the bid etc. in respect of this work shall be payable by the Firm and Indian Bank will not entertain any claim whatsoever in this respect.

The rate quoted should be excluding GST.

The firm who wishes to bid for the above job should have GST registration and should mention the registration number.

7. The firms will have to deposit an EMD amount of **Rs.1700/- (Rupees One Thousand Seven Hundred Only)** in the form of Demand Draft from scheduled commercial bank in India drawn in favour of “**Indian Bank**” payable at Mumbai. Please note that firms registered with MSME / NSIC under single point registration with valid certificates issued by GOI are exempted from submitting EMD. Necessary Certificates must accompany bid. No other type of certificate is acceptable. The exemption and relaxation in EMD is subject to the validity & acceptance of their registration certificate on the date of opening of quotation.

No interest on Earnest Money deposited by the bidder shall be allowed. No other mode of payment shall be accepted. The Earnest Money Deposit of unsuccessful bidder shall be refunded within 7 days of award of contract to the successful bidder. The Earnest Money Deposit of the successful bidder shall be refunded on the acceptance by the Employer of the Contractor’s Demand Draft towards Initial Security Deposit. The EMD of the bidder, whose bid is accepted, shall be forfeit in full in case he does not start the work by stipulated date mentioned in the award letter.

Apart from EMD & ISD, **the retention amount shall be deducted from progressive running bill at 8% on the gross value of each running bill paid will be held by the Indian Bank apart from ISD until the total security deposit equals 10% of project cost.**

8. Initial Security Deposit

The bidder will have to deposit an amount of 2% of Contract amount in the form of Demand Draft from Scheduled Commercial Bank in India drawn in favour of "Indian Bank," payable at Mumbai within 5 days from the date of receipt of work order as an Initial Security Deposit (ISD). The Indian Bank is not liable to pay any interest on the ISD. If the successful bidder fails to provide ISD within stipulated times, it will be presumed that agency is not interested in the work and suitable action will be taken as per the terms mentioned in this document.

9. Retention Money

The retention amount at 8% from the Gross value of each R/A or Final bills excluding GST. No interest will be paid on the Security Deposit under any circumstances will be held by the Indian Bank apart from ISD of 2%.

10. Release of Retention Money

Retention Money will be released within 30 days after satisfactory completion of defect liability period and defects free as per the contract clauses.

11. No employee of the Indian Bank is allowed to work as a contractor for a period of two years of his retirement from Indian Bank service, without the previous permission of the Indian Bank. The contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the Indian Bank as aforesaid before submission of the bid or engagement in the service.
12. The quotation shall remain open for acceptance for a period of 90 days from the date of opening of quotation.
13. **It will be obligatory on the part of the bidder to sign all the pages of this documents.**
14. The acceptance of quotation will rest with the Indian Bank and the Indian Bank reserves to itself the authority to reject any or all of the bids received without the assignment of a reason. The quotations which are incomplete in any respect are liable to be rejected. The Indian Bank reserves the right to accept the quotation in full or in part and the bidder shall have no claim for revision of rates or other conditions if his quote is accepted in parts.
15. Canvassing in connection with quotation is strictly prohibited and the quotation submitted by the firms who resort to canvassing will be liable to rejection.
16. **All the entries to be made legibly in ink only.** Rates written in pencil or any other mode shall not be considered for evaluation and will be rejected.
17. An item rate quote containing percentage below / above will be summarily rejected. However, where a bidder voluntarily offers a rebate for payment along with sealed quotation, the same may be considered.
18. **ABNORMAL RATES**
The Contractor is expected to quote after careful analysis of costs based on the specifications mentioned in the Quotation. If it is noticed that the rates quoted by the firm is unusually high or unusually low, it will be sufficient cause for rejection of the Quotation unless the Employer is convinced about the reasonableness of the rate on scrutiny of the analysis for such rate to be furnished by the firm on demand. Notwithstanding anything there in stand, the rate once accepted by the Employer shall be final and shall not be subject to any claim either on account of un-workability of rates or on any other ground whatsoever.
19. On acceptance of the bid the name of the accredited representative(s) of the Bidder who would be responsible for taking instructions from the Indian Bank shall be communicated to the Indian Bank.
20. Special care should be taken to write the rates in figures as well as in words and the amounts in figures only, in such a way that interpolation is not possible. The total amount should be written both in words and in figures.

21. The Contractor shall comply with and give all notices required under any law, rules, regulations, or bye-law of Parliament, State Legislature or Local Authority relating to works. If needed, the Contractor has to obtain required permission/ approval from the building secretary/ association. The Contractor shall before commencing the execution of work issue a certificate to the Employer that he has obtained all the permissions Registrations and give all the notices as are required to be obtained or given under law particularly blasting permission, Police permission etc.
22. The Contractor shall be required to maintain the site and the building areas in a neat and clean condition at all times to the satisfaction of the Employer. The Contractor shall especially take care to keep areas free from getting water logged, from concrete/mortar dippings, bricks, steel, shuttering materials or any other material / rubbish.
23. Debris and items removed from the building have to be neatly stacked at site and then periodically removed (maximum of one week), carried away by the Contractor and disposed off as per the rules and regulations of the Local Authorities concerned. No debris shall be thrown loose from upper floors. No floor, roof or other part of the building shall be over-loaded with debris or materials as to render it unsafe.
24. Employer reserves the right to insist on selection of material, workmanship, detailing and finishes, which they consider, is appropriate, and suitable for the intended use. The contractor is not eligible to claim extra on this account.
25. Employer will require the contractor to produce, samples of all the materials, accessories/ finishes prior to procurement/ manufacture. The samples of the materials for the work shall be got approved from the Employer. Failure to comply with these instructions can result in rejection of the work/ materials.
26. For painting & Lamination, sample area shall be prepared and the shade got approved. It is also advised to give computer presentation of various colour schemes to the employer before going for sample painting/Lamination.
27. The bidder should note that he should execute his part of work without causing any damage to any component of the building and also without disturbing the occupants. Any damage so caused shall be made good at the cost & risk of the firm.
28. The successful bidders shall include, in the quoted price, all allied civil works such as chasing in wall, drilling holes etc to support the frames, partitions, make the surface good after grouting, scaffolding required if any to load/ unload the materials etc.
29. The successful contractor shall also be responsible for the safety and security of all their materials and also for ensuring fire prevention steps at all times in the working premises including their part of the work. The successful contractor has to place full time representative at site, the representative should have thorough subject knowledge. Bank will not be responsible for any untoward accident caused by negligence of the Contractor
30. The work shall be carried out without disturbing the existing occupants of other offices. Necessary barricading of the area, if required from the rest of the area shall have to be arranged by the successful contractor at no extra cost. The work is to be organized and executed so as to have least disturbance to the occupants of other offices.
31. The contractor should ensure payment of minimum wages + VDA to all labourers / workmen staff employed by him in line with central/ state labour wage act whichever higher. The Contractor shall at all times indemnify and keep indemnified the Employer against all losses, claims, damages or compensation including under the provisions of the payment of the Wages Act 1936, Minimum Wages Act 1948, Employer's Liability Act 1938, Workman's Compensation Act 1923, the Maternity Benefit Act 1961, the Bombay Shops and Establishments Act 1947, Industrial Disputes Act 1947, and Contract Labour (Regulation and Abolition) Act 1970 and Employees State Insurance Act 1948, Motor Vehicles Act 1988 or any modifications thereof or under any other law relating thereto and rules made thereunder from time to time or as a

consequence of any accident or injury to any workman or other person in or about the work whether in the employment of the Employer or Contractor or not, and also against all costs, charges and expenses of any suit, action or proceedings whatsoever out of such accident or injury or combination of any such claims.

32. From commencement to completion of works, the Contractor shall take full responsibility for the care of the work and for taking precautions to prevent loss or damage to the work to the maximum extent possible and shall be liable for any damage or loss that may arise to the works or any part thereof from any cause whatsoever including causes of fire, lightning, explosion, earthquake, storm, hurricane, floods, inundation, subsidence, landslides, rock slides, riots (excluding civil war, rebellion, revolution and insurrection) or any latent defect or damage and shall at his own cost repair and make good the same so that at all times the work shall be in good order and condition and in conformity in every respect with the requirements of the Contract.

For the purpose of this condition this expression “from commencement to completion of works” shall mean the period starting with the date of issue of Work Order or date of handing over of site whichever is later and ending with issue of Virtual Completion Certificate.

Without limiting the obligations and responsibilities under this condition, the Contractor shall insure and keep insured the works from commencement to completion, as aforesaid, for the full contract value including Price Variation Adjustment if any against the risk of loss or damage from any cause whatsoever including the causes enumerated in the foregoing paragraphs. In the event of there being a variation in the nature and extent of the works, the Contractor shall from time to time increase or decrease the value of the insurance correspondingly. All the premia for the insurance shall be borne and paid by the Contractor.

Before commencing the work, the Contractor shall without limiting his obligations and responsibilities under this condition, insure against any loss of life or injury to any personnel in the employment of Contractor / Sub-Contractor/nominated Sub- Contractor. For this purpose, an insurance shall be taken by the Contractor /Sub- Contractor. Such an insurance shall be taken to include both employees/workmen covered by the Workman’s Compensation Act 1923, as well those employees/workmen not covered by the said Act. Separate insurance policies may be taken for employees/ workmen covered by Workman’s Compensation Act 1923, and employees / workmen not covered by the said Act. All the premia shall be paid by the Contractor. Policy/Policies taken under this para for the personnel in employment with the Contractor / Sub-Contractor may be in their Employer’s names of the Contractor / Sub-Contractor / nominated Sub-Contractors. In the event of any loss or injury to personnel in employment with the Contractor / Sub-Contractor / nominated Sub-Contractors, the Employer and Contractor shall recover directly from the Insurance Company and ensure that payment of the same is made to the affected parties including the Employer. The policy in original shall be deposited with the Employer.

The Contractor shall at all times indemnify and keep indemnified the Employer against all losses and claims for injuries or damage to any person or any property whatsoever which may arise out of or in consequence of the construction and maintenance of the work and against all claims, demands, proceedings, damages, costs, charges and expenses whatsoever in respect of or in relation thereto. The Contractor shall take all precautionary measures to ensure the safety of the workmen employed by it. The contractor shall be fully responsible for the any injury or damage caused to the workmen deployed by him at site for carrying out the work and Bank has nothing to do with such happenings and in no way shall be held responsible for the same.

33. The contractor shall maintain all registers as required by the Regional Labour Commissioner and should furnish the same to the Bank or its representative as and when required.
34. If the work is not started within **5 days** from the date of issue of work order then Employer may terminate the work order without assigning any reason. If during the execution of the work, the

progress of work is not considered to be satisfactory and is not consistent to be in contingent with the period of the completion of the work then the Bank may terminate the work order by giving a 3 day notice to the contractor. In such case the contractor shall be liable to pay the employer any extra cost involved for the completion of the said work and will not obstruct any way in completing the work through other agency. After completion of entire work the contractor shall be paid for the actual work executed by him at the quoted rates after deducting any claims, damages.

35. The time allowed for completing the works is **30 days** to be reckoned from **3rd day** from the date of Work Order / date of handing over site whichever is later. Bidder shall submit a programme (time schedule) for executing the entire project and shall furnish the details of their scheme indicating the proposed deployment of their machinery and resources.
36. If the Contractor fails to complete any or all the works by the date/s named in **Clause 35** (Date of Completion) or within any extended time (permitted by Bank) then the Contractor shall pay or allow the Employer the sum to be worked out at **1.0%** of contract value per week to be recovered as Liquidated Damages (and not by way of penalty) for the delay, beyond the said date or extended time, as the case may be, during which the works shall remain unfinished and such damages may be deducted from any moneys due or which may become due to the Contractor. The maximum amount of Liquidated damages shall be **10%** of contract value. The contractor shall be bound to extend validity of Insurance Cover till such period of completion as may be considered necessary at their cost.
37. **Extension of time:** If in the opinion of the Employer/ Consultant the works be delayed (a) by reason of any exceptionally inclement weather or (b) by reason of instructions from the employer in consequence of proceedings taken or threatened by or disputes, with adjoining or neighbouring owners or (c) by the works, or delay of other contractors nominated by the employer and not referred to in the specification or (d) by the reason of authorized extra and additions or (e) by reason or any combination or works men or strikes or lock-out affecting any of the building trade or (f) from other causes which the employer may consider are beyond the control of the contractor, the employer at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect therefore. In the event of the employer failing to give possession of the site upon the day specified above, the time of completion shall be extended suitably.
In case of such strikes or lockouts as are referred to above, the contractor shall, immediately give the employer, written notice thereof. Nevertheless he shall use his best endeavours to prevent delay, and shall do all that may be reasonably required, to the satisfaction of the employer for any extension of time for completion hereunder (which shall be final and binding on the contractor) shall be promulgated at the conclusion of such strike or lock-out and the employer shall then, in the event of an extension being, granted, determine, and declare the final completion date. The provision in clause 36 with respect to payments of liquidated damages shall be construed as if the extended date fixed by the employer was substituted for and the damages shall be deducted accordingly.
38. The successful bidder shall be required to execute an Agreement in the proforma attached with this quotation document within **5 days** from the date of receipt of the notice of acceptance of quotation. In the event of failure on the part of the successful bidder to sign the agreement within the above stipulated period, the earnest money will be forfeited and the acceptance of the quotation shall be considered as cancelled.
39. **PAYMENT DETAILS** –
 - No advance payment shall be made to the contractor. Payment to the contractor shall be made as per actual work done of site and after the completion of work.

- Bank will deduct the retention money as described in the Clause No 9 and the refund will be made as specified in the Clause No 10.
 - The final bill will be released on satisfactory completion of the entire work and on completion of all the terms and conditions / obligations spelt out and on proper submission of the bills together with the measurements properly checked by Architect & Bank's Engineer in presence of Contractor. Final Bill settlement is within 15 days from the date of proper submission of bill & measurements.
40. The bidders shall separately specify at the end of the bid the % and value of SGST and CGST as applicable.. Regarding tax part, the tax rate at the time of billing shall rule over and above all documentations. Valid documents shall be produced if asked for at the time before payment. TDS for income tax is as applicable and shall be included in the quoted rates. The comparison for the least bidder shall be made with the basic price of items of work excluding "Goods and Service Tax" part.
 41. At any stage i.e. during the execution of work, any kind of change required, whether it is in design or specification, the contractor must inform the concerned Department of the Bank or Interior Consultant and after getting the approval, the same has to be incorporated by the contractor.
 42. Single Power point & Water for work will be provided by Bank. The Contractors will make their own arrangement for stay of their workers and they will not be permitted to stay in the Bank Premises.
 43. The contractor shall not directly or indirectly sublet the work to other party without written permission of the Bank.
 44. The Bank reserves the right to distribute the work for which quotations have been called, among more than one parties, if found necessary. No claim in this respect shall be considered and the contractor agrees to cooperate with other agencies appointed by the Bank.
 45. Bank shall not be responsible for any loss or damage to the contractor/ labour due to any natural calamity during the course of construction. Contractor is liable to make good all the damages if any, till the work is completed and handed over to the Bank authorities
 46. Contractor agencies are advised (before quoting the rates) to inspect the site of the proposed work. They must go through specifications and documents. Any clarification, if required, may be taken from the Bank before submitting the quotation.
 47. The quantities mentioned in schedule are provisional and likely to increase /decrease to any extent or may be omitted thus altering the aggregate value of the contract. No claim for loss of profit/business shall be entertained on this account.
 48. The contractor /vendor failed to carry out the works as per schedule/Quality, the same shall be carryout with different agencies and the actual amount will be deducted from the contractor bills.
 49. The contractor agency shall keep particular vigil on his workers to maintain very good workmanship of all items, failing which no payment shall be made and no claim of material / labour used shall be made to him in any case, and the same work shall be executed by him again without charging any extra cost.



50. The Bank reserves the right to accept / reject any quotation without assigning any reasons.
51. Any work got executed in poor workmanship as pointed out by the Bank' Official will have to be dismantled and redone by the Contractor on his own cost.
52. Any addition, alteration or correction in the quote shall be signed and stamped properly by the contractor.

DECLARATION :

I / We hereby declare that I / We read and understood the above terms and conditions and that we shall abide by them if the work is awarded to us.

Signature & Seal of the Firm

ARTICLES OF AGREEMENT

THIS AGREEMENT is made on this day ofmonth of between Indian Bank and having its Large Corporate Branch at 210, B Wing, Ground Floor, Mittal Towers, Nariman Point, Mumbai (hereinafter referred to as the “Employer”) which expression shall include its successor, legal heirs and assignees of the one part.

AND M/s.....having its office at (hereinafter referred to as the “Contractor”) which expression shall include its successor, legal heirs and assignees of the second part.

WHEREAS the Employer has caused drawings and bid documents for ““**Quotation for Proposed Electrical Modification Work at LCB Mumbai**”

AND whereas the Employer has called for RFQ vide ref. no. dated.....

AND whereas the contractor has submitted the Quotation ref. no. dated to the Employer on

AND whereas the Employer has issued the work order ref dated..... to the contractor to do the work.

AND whereas the Contractor has agreed to execute the work as per drawings, specifications, conditions of contract and Work Order.

AND whereas the Employer has accepted the Contractor’s bid as aforesaid and whereas the bid submitted by the contractor has been accepted for such sum as may be ascertained to be payable in terms of the Bill of Quantities and which sum is estimated to be Rs. (Rupees) hereinafter referred to as the said “Contract Agreement”.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:-

- 1) In consideration of the said Contract Sum to be paid at the times and in the manner set forth in the said Conditions the Contractor shall carry out and complete the Works in terms and conditions herein contained and according to the general conditions of the contract, notice inviting quotation, special conditions of contract, general scope of work, technical



specifications, schedule of rates and instructions to be given by and the supervision of and to the entire satisfaction of the Employer.

2) **Contract Price, Taxes and Payment Terms :**

Total contract price is Rs. + GST which is inclusive of cost of materials, equipment, installation charges and tools and tackles required for execution of the job. Above price is inclusive of all taxes & duties except GST in respect of this contract. No claim in this respect will be entertained. Income tax on payments will be deducted and deposited by Employer in accordance with the sales tax law of the state and the provisions of tax deductions at source under income tax act 1961.

3) **Completion Period:**

Time is the essence of the Contract. The work is to be completed in all respects within **30 days** reckoned from 3rd day from the date of issue of the Work Order or handing over of site whichever is later. If the Contractor fails to complete the job within the agreed time period the Contractor will have to bear liquidated damages as per the relevant clause mentioned in the Quotation Documents.

4) **Earnest Money:**

The Contractor has deposited an amount of **Rs.1700/- (Rupees One Thousand Seven Hundred only)** as earnest money.

5) **Inspection of Site:**

The Contractor has inspected the site before submitting his bid and has satisfied himself as to the nature of the work to be executed on the site. Any difficulties which the Contractor may come across in the course of the work shall in no way relieve the contractor to claim or receive extra payment unless the Employer is of the opinion that such difficulties could not have been foreseen and the Employer consents in writing.

6) **Supply of Material and Labour:**

The Contractor shall arrange all labour, materials, equipments, tools, tackles and everything necessary for the completion of the work. The Contractor will assume all responsibility for the safety, protection and accounting of all material and equipment and the work during construction. All materials used by the Contractor shall be of the best quality conforming to the required specification mentioned in the bid document and will be subject to the approval of the Employer. All such materials not approved by the Employer shall be removed at once by the Contractor at his own expense. The Contractor shall also at his own expense arrange for carrying out any test of materials which the Employer may from time to time require or if so desired by the employer.

7) **Defective Work / Materials:**

If any part of the work done by the Contractor is found defective in workmanship or if bad or inferior materials have been used the Contractor shall at his own risk and cost demolish all such defective work and rebuild the same and / or replace the bad or inferior materials used within a time frame mentioned to the satisfaction of the Employer. The decision of the Employer in this regard shall be final and binding on the Contractor. In case of default of the contractor to remove the defective work and rebuild the same or replace bad or inferior materials as directed by the Employer, the Employer shall be entitled to employ anyone else to carry out the same at risk and cost of the Contractor and recover all expenses incurred in this regard from the contractor.

8) **Inspection of Work:**

During progress of the work the Employer shall be entitled at all times to have access to and inspect the work.

9) **Supervision:**

The Contractor shall provide one or more competent and technical qualified engineers duly and fully authorized to act on his behalf in all matters relating to the works to be carried out under or any other matter concerning this agreement and who shall at all times be present at the works while any work is in progress as per directions, explanations & instructions of Employer.

10) **Compliance with Statutory Regulations & Work Rules:**

The Contractor shall be responsible for complying with the applicable laws / bye laws / Regulations in force from time to time and shall have to bear all statutory liabilities to the workers / personnel engaged for the job. Nothing will be paid extra in this regard. If any amount is paid by the Employer with this regard the same amount shall be deducted from the Contractor's dues. The Contractor shall have to arrange insurance cover for the workers / personnel engaged by him for the job.

11) **Determination of Contract:**

In the event of Contractor failing to keep / adhere to agreed schedule of work, or in the event of the Contractor failing to comply with the provisions of this contract by default and / or negligence and / or suspension of work or in the event of Contractor failing to complete the work within the stipulated period, the Employer may terminate this Agreement forthwith and employ, at the Contractor's risk and cost, another contractor or sufficient number of workmen to complete the work.

12) **Force Majeure:**

This clause will be operative only if the work is delayed by

- a. Acts of God
- b. Earthquake or floods or similar natural calamities.
- c. Serious loss or damage by fire or lightning.



In case any Force Majeure condition herein mentioned occurs and continues for a period exceeding 15 days the parties hereto undertake to sit together and devise ways for expeditious and proper performance of the obligations of the parties under this order.

13) Arbitration:

“ In the event of any dispute or difference relating to interpretation and application of provisions of the contract and all disputes/ claims whatsoever which shall either during the continuance of the contract or afterwards either between the parties to the contract or the respective representatives touching the construction/ application of any provision/ clause mentioned in the contract or any account or liability between the parties to the contract or as to any act or deed or omission of any party to the contract, in any way relating to these presents, shall be first at the discretion of the Bank attempted to be resolved in good faith by mutual discussion within 30 days of the dispute or question being raised failing which the same shall be settled by arbitration in accordance with provisions of Indian arbitration and Conciliation act 1996.

The Parties concerned shall designate an arbitrator on mutual consent/ consensus. The venue of the arbitration shall be exclusively at Mumbai and any award passed by arbitrator shall be final, conclusive and binding upon the parties and shall be deemed to have been made between parties themselves. The parties to the dispute shall share equally the cost of arbitration as intimated by the arbitrator”.

IN WITNESS whereof the said contracting parties have set their hands and seals on the day and year first hereinabove witness.

Witness Address

Employer

Witness Address

Contractor

TECHNICAL SPECIFICATIONS

ELECTRICAL WORK

Power Panels:

The Power panels shall be fabricated from MS sheet steel 16 gauge and shall be of compartmental design. The main supporting framework shall be of angle iron or of heavier gauge sheet metal. The panel shall be self-supporting design, dust and vermin proof, dead front and fully inter locked with isolating switches. The panel-mounted switches shall have Interlock defeat for testing and inspection.

The panel shall be designed so as to facilitate inspection, cleaning and repairs. The clearance between phase to phase and phase to earth or metal parts shall be as per relevant IS standards. The metering instruments like volt meter, ammeter etc. shall be flush mounted and shall be of 1.0 class accuracy and of standard design size shall be 96 mm x 96. All indication lamps shall be of neon type.

The panel shall have separate cable ally and a bus bar chamber. The bus bars shall be rigid hard drawn tinned electrolytic copper & sleeved with heat shrinkable sleeves. The current density shall not exceed 1.25 amp per sq. mm. and the neutral bus shall be rated for capacity of phase bus unless otherwise stated in schedule of quantities/drawings. However, the minimum size of bars shall be 25mm x 3mm.

The panel shall be powder coated comprising of degreasing and de-scaling in sulphuric acid etc. with synthetic enamel paint for smooth finish. The color of paint shall be battle-ship Grey or as directed. The Panel shall be tested at site before commissioning. The Panel drawings shall be got first approved from Consultants before taking up for fabrication.

All wiring inside the panel shall be done with switchboard copper conductors/cables solid copper links. The insulators for supporting the Bus-Bars shall be epoxy based cast resin. All hinged doors shall be earthed with flexible braided copper earth. An earth bus of copper shall be fixed along the length of the panel at the lower section. Adequate ventilation for the panel shall be provided. Logic diagram of operation of switches shall be painted on the panel. The name plates for each feeders shall be of engraved design and pasted to the respective switch gear. The letters shall not be less than 10mm size for individual feeders and not less than 18mm for the main feeders. All switchgear to be mounted in the panel shall be as per schedule of quantities.

Switch Fuse Units :

Switch Fuse Units shall be of sheet metal or iron clad with HRC fuses as described in schedule of quantities. The unit shall be of robust construction of standard specified make. design to withstand adverse working conditions. It shall have quick break type mechanism with ON and OFF position indicators of the operating handle. The switch shall be interlocked so that the unit cannot be opened in ON condition. The interior shall be so arranged that clearance from live parts are adequate and shrouded. Manufacture's instructions shall be followed for installation of switch fuse units. The switch shall be solidly earthed. The switch shall be mounted on walls on angle iron support grouted to wall. The supports shall be treated for rust treatment & painted with 2 coats of synthetic enamel paint. The height of the switch board shall be such that it is accessible for operation & maintenance.

Cables :

Cables shall conform to IS 1554-1976. Cable shall be heavy duty, armoured, PVC insulated & PVC sheathed 1.1 MV grade aluminum or copper. Cable shall be fixed with G.I. spacers & saddles at an interval of 45 cms and on every side of bends. The bending radii of cables shall be as per manufacturers instructions and in no case it shall be less than 12 times the overall diameter of the cable. Cable shall be so installed that they are not subject to mechanical damage. If there is a bend in the cable enclosed in a conduit, care has to be taken to prevent undue compression of insulation. This applies also to the top of vertical runs of longer than 5 meters where there could be compression caused by the weight of unsupported vertical cables. Cables may rest without fixing in horizontal runs or ducts or trunkings. The cables run in cable trays shall be permitted unless the cables exceed the

standard drum length. Joints if so necessary shall be located in accessible position. Termination of the cables shall be done with heavy duty copper/Aluminum lugs and brass cable glands.

Cables laid under ground shall be to a minimum depth of 750 mm. It shall be ensured that cables laid underground are free of water lines, sewage lines etc. The trenches shall be at least 30 cm wide & filled with 10 cms thick of layer of dry sand on which the cable shall be laid. Further, 10 cms thick sand layers shall be put on the cable over which a brick layer shall be kept. The trench shall then be back filled with soft earth, rammed and consolidated to original level. Cable route indicators shall be laid at intervals of 20 metres and at all change in directions. For cables laid on walls aluminum tags shall be fixed showing the size of the cable and the feeder number of the cable. These tags shall be at each ends and at least one or two places at intermediate positions. The mode of measurement of the cables shall be as follows :

- i. For top entry of the cable, the measurement shall be taken up to the bottom of the switch-gear.
- ii. For bottom entry of the cable, the measurement shall be taken up to the top of that switch board.
No wastage shall be allowed for measurements.

Distribution Boards :

1. These shall be of sheet metal and of standard design with copper bus bars. The board shall be fixed at accessible heights. The boards shall be solidly fixed to walls/partitions, concealed or open as directed. All connections inside the distribution board shall be neatly arranged and tied with PVC strings. The MCB's shall be of 9 KA for fault level. The distribution board shall be suitably earthed. Legend shall be written on D.B. & Circuits.
2. The Distribution Board circuitry shall be as per the schematic/given in Drawing.
3. The Sheet steel used for fabrication shall be of CRCA of 14/16 SWG. The Board shall be suitable for wall mounting. It shall be totally enclosed, Dust Proof & vermin proof. The fabrication shall be as per relevant is Specifications for degree of protection by enclosure for low voltage switch-gear IP 52. The Equipment such as MCB, ELCB, Insulators, Bus-Bars shall be as per relevant is specification with latest amendments.
4. The Sheet steel shall be smoothly finished, leveled and free from flaws. All doors, removable covers shall be Gasketed all round the perimeter.
5. The Service Voltage is 440 volts & Busbar will be Electrolytic copper. The copper busbar shall be tinned through out the length.
6. The door interlock shall be provided so that it shall not be possible to open the door with breaker in close position.
7. Enough space shall be provided for termination. The minimum two earth terminals shall be provided for each D. B. The Board shall be factory wired with proper ferruling.
8. Adequate shrouds shall be provided for avoiding accidental contact with Live Terminals, Busbar etc.
9. The Conduit knockout shall be provided for Conduit Entry.
10. The guaranteed technical particulars shall be provided for the MCB & ELCB etc.
11. The engraved black anodised labels shall be provided on all feeders.
12. All Steel works shall undergo a process of degreasing, pickling in acid bath, phosphating.
13. This shall be followed by two coats of primer and two coats of final finish paint, both applied with spray. The colour shall be light battleship gray.
14. The distribution board shall have hinged door.
15. The busbar supports shall be non hygroscopic, anti tracking material.

Point Wiring

(a) Metal Conduits:

1. All conduit pipes shall confirm to IS 9537 PART-II 1981. Metal conduits shall be ERW black enameled 20mm/25mm as the case may be depending upon the number of wires permitted. The

conduits shall be fixed to walls/ceiling with M.S. saddles and spacers at an interval of 1 meter and on either side of bends.

2. All conduit accessories shall be 15 gauge & bends shall be of inspection type. All bends, couplers, threaded portions etc. shall be painted with anti-corrosive paint. Bends in the pipes shall be done with bending hickies.
3. All pipes shall be cleaned for sharp burrs. Switch boxes shall be of G.I. 16 G/14G. The switch boxes shall be concealed as per site requirement & as per Architect's/Consultant's Instructions. Point shall be controlled with 5A switch or directly from DB as specified in schedule of quantities. Where plate type switches are not specified the switch-board shall have 3mm thick hylum sheet on which switches shall be mounted.
4. While laying the conduits in the slab before casting the slab, all drops shall be laid accurately to fall in position of the switchboard. Junction boxes shall be sand filled. All joints shall be airtight. Conduits shall be fastened to the re-enforcement properly so that the conduits do not get dislocated while casting the slab. All conduits shall have 18 swg fish wire.
5. The conduit shall be of 16 guage unto 32mm dia and 14 guage above 32mm dia. reputed and approved make conforming is specification. Conduit shall be Heavy guage rigid PVC with All accessories/fittings including ordinary & inspection tees; bushings, reducers, junction boxes, terminal boxes, saddles and steel supporting materials shall be of the same as of the conduit. The contractor shall have dies for threading of conduit.
6. The conduit shall run along walls, ceiling, flooring in accordance with layout drawings.
7. The conduit shall be field bend as far as possible with reasonable long radius. The conduit bends shall be free from cracks, other damage to the pipe or its coating and shall not have pipe section unduly flatten..
8. The conduit joint shall provide the structural rigidity and low electrical resistance.
9. All open conduit ends shall have bushings and all threads shall be cleaned and well painted with coating or red lead & oil. All burrs shall be smoothed and cleaned.
10. The conduit shall be supported with saddles at regular interval of 1000mm. The saddles shall be fixed with Rawal plugs and M. S. screws of 3mm size.
11. The No. of wires through a given diameter of conduit shall be as per is specification.
12. When two length of conduit are joined together through a coupling, running threads equal to the full length of the coupling shall be provided on any one length. Conduit length exceeding 8 meter length shall be provided with junction boxes.
13. Conduit & accessories shall be securely fixed before any operation like concrete pouring plastering etc. The conduit shall be fixed by clips which shall not cause deformation of conduits. The conduit fixing shall be at regular intervals not exceeding 1.5 meter. At the bends the fixing shall be secured by fixing clips at 150mm. All the supporting holes are to be drilled by electric drill machine.

(b) Pvc Conduits:

The PVC Conduits shall confirm to latest IS standards and shall be of medium gauge. The conduits shall be joined with PVC adhesive at joints. The Conduits shall be fixed to walls/ceilings with GI, Spaces and Saddles at an interval of 60 cms & on either side of bends. The number of wires drawn in the conduits shall be as per table 1. The point wiring shall be controlled as in (a) above. The wiring shall be done with 2nos. of 1.5 sq.mm (Phase & Neutral). & 2.5 sq. mm. (earth) PVC insulated, copper conductors, multi stranded and color coded with green as earth and black neutral. The circuit wiring shall be with 3 nos. of 2.5 sq. mm. PVC insulated, copper conductors, multi stranded from distribution board to switch board and the rate shall be included in the point wiring unless otherwise stated in schedule of quantities. All other details shall be as for metal conduits.

(c) Casing Capping/Trunk And Trunkling :

PVC casing shall be fixed, wooden partitions by means of screws spaced not more than 60 cms apart. Holes for fixing the PVC capping shall be done by drilling machine only and these holes shall be plugged with PVC plugs or grips to which the screws shall be fastened. No less than 1 inch PVC casing shall be used. All bends, tees, joints etc. shall be done in workman like manner with standard accessories. The number of wires in PVC casing capping shall be limited to a fill factor of not more than 60%. The point shall be controlled by 5 amp switch. The switch boards shall either be flush mounted with partitions or surface mounted or concealed mounted as per site requirements and as directed. The wiring shall be carried out as described in (a) and (b) above.

This wiring shall not be done for concealed wiring & wiring over the false ceiling work.

Circuit Wiring

1. The Circuit wiring shall comprise of laying PVC conduit from lighting distribution board to the first switch board & pulling of wires within the conduits with 2.5 Sq.mm copper wire, PVC insulated, 100v grade wire.
2. The scope includes all materials & labour with Installation. It also includes making proper connection in the Distribution board & switch board.
3. In case of group control directly from Distribution Board, the primary point shall be from D.B. to the first point and secondary point and from first point to the next point looped. The point shall terminate into the 3 plate-ceiling rose.

Switch Board

The lighting switch board boxes shall be MS/ zinc passivated with 16 guage made suitably for controlling group of light/fixture or light control as indicated in the drawing. The switch board boxes shall be suitably in the office area as concealed type. All the switch boxes shall be provide with removable cover with proper provision of Plate/Piano type switches.

Wiring Methods

1. The wire pulling in conduits shall be in accordance with standard practices. All the wires in a particular section by conduit shall be bunched together and pulled at a time.
2. The wires used shall be colour coded with Red wires for R phase, Yellow wire for Y phase, Blue wire for B phase Black wire for neutral and Green wire for each continuity conductor.
3. All the wires shall be purchased directly form the manufacturers and approved by the consultant.
4. All the wire shall be insulated with adequate thickness of extruded PVC.
5. All wires shall be of 1100v grade conforming to is 694 with latest amendment.
6. All the wire ends shall be ferruled with colour codes & numbers.
7. All the circuits shall be identified at both ends of the circuit.
8. A maximum of 3 lights to be switched on one switch of 5A.
9. The wiring shall be carried out with multi stranded PVC insulated copper wires of 1.5 sq. mm. 2Nos (Phase & Neutral) & 2.5 sq.mm. (Earth). In all cases the earth shall be of green color and neutral shall be black color. All wires used shall be of 660 V grade. The point wiring shall be inclusive of circuit wiring from Distribution Board to the switch-board unless otherwise stated in schedule of quantities. The circuit wiring shall be with 3 nos. of 2.5 sq.mm PVC insulated multi stranded copper conductors color coded as detailed above. The rate shall also be inclusive of any chasing as directed by the Architects/Consultant/Client's Engineer to conceal the drops and finishing the same.

5A/15 Amps. Switch Socket Outlet Wiring

1. The Point wiring for 15 A Switch socket outlet includes running of 3 x 4.0 sq.mm PVC insulated stranded copper wire through conduit from the distribution panel board to the individual S/S/O
2. Two nos of 15 A S/S/O are to be looped in and controlled by MCB of 20 Amps in the distribution board at each floor. The circuit length shall not exceed a length of 70 meters.
3. All the wires for the S/S/O shall be pulled through separate conduit system (not to be mixed with light 5 Amps S/S/O etc.)

5 Amps Switch Socket Outlet

1. The point wiring for 5 Amps switch socket outlet includes running of 3 x 2.5 sq.mm copper conductor, PVC insulated, 1100v grade wires in PVC conduit from the light distribution board to the Individual socket.
2. A maximum of 6/8 Nos. socket are to be looped in & controlled by MCB in the lighting distribution board. The circuit length shall not exceed 75 meters.

15/5 A Switch Socket Outlet

1. It shall be of approved make conforming to latest is standards. The three-pin socket shall be provided with safety shutter to prevent accidental contact with live parts.
2. The box for socket outlet shall be suitable for concealed/surface mounting and should be supplied by the Manufacturer with the switch & socket unit.

20 Amps Point Wiring

1. The 20 A SP MCB with Reyrolle socket is to be provided including running of 3 x 4.0 sq.mm PVC insulated stranded copper wire through PVC conduit from distribution board to the individual switch.
2. One switch is to be provided in one circuit and controlled by one MCB of 20 Amp in the distribution board at each floor.
3. All the wires for the switches shall be pulled through separate conduit system (not to be mixed light, 5 A S/S/O etc.)

Telephone Points

1. Telephone Points shall include supply & installation of 25mm diameter PVC conduit & Accessories along with 2 pair/4 Core wire from Tag Block to Individual Point along with the Conduit. The Telephone wire shall be of oelton make or of approved sample.
2. The Conduit shall be laid concealed in slab/wall/beam column etc., from the Telephone Box to the Individual Telephone socket outlet Point as market in the Drawing.
3. In case of provision for further point for Telephone G.I. Pull wires shall be laid inside the entire length of conduit.
4. The Telephone Tag Block of M.S. shall also be provided by the Contractor including latest Type of Terminal strip cover extra as per MTNL approved list.

Earth Pits / Station

The earthing station shall be done as per IS 3043 (1981) and as per drawing no. E1. The earth pit shall be at least 2.5 mtrs deep with GI plate electrode shall be hot dipped of 600mm x 600mm x 6mm thick. The size for copper electrode shall be 600 x 600 x 3mm thk. An alternate layer of salt and charcoal shall be filled up to 200 mm above the top of the electrode. The electrode shall be connected with 25mm x 6 mm thick GI Flat which shall be terminated with nuts and bolts into brick masonry chamber on top. The brick masonry chamber shall be of size 300mm x 300mm x 300mm

deep which will carry the finneling arrangement for watering. A GI Flat of 25mm x 3 mm from brick masonry chamber to the switch gear inside the switch room shall be laid under ground and / or fixed to walls and the rate for this shall be paid as a separate item.

Installation Of Electric Fittings

All electrical fittings shall be fixed with down rods or on round blocks as stated in schedule of quantities. The down rods shall be 20 mm dia and 1.6 mm wall thickness of ERW black enameled MS. The down rods shall be fixed with ball and socket joints check nuts etc. Special fixtures like spot lights etc. shall be fixed to the false ceilings as per manufacturer's recommendations. The fittings shall be connected with 3 core 0.5 sq. mm. flexible copper cord / cable from ceiling rose and suitable earthed.

Testing Of Electrical Insulation

The following tests shall be carried out after completion of the electrical insulation work.

- 1) Insulation Resistance Test.
- 2) Polarity Test of Switches.
- 3) Earth Continuity Test.

1) Insulation Resistance Test : The insulation resistance shall be measured by applying between earth and whole system of conductors or any section thereof with all fuses in place and all switches closed (except in earthed concentric wiring) all lamps in position and both poles electrically connected together., or direct current pressure of not less than twice the working pressure, provided that it need not exceed 500 volts for medium voltage circuits, be applied. Where the supply is derived from 3 wire DC or Poly phase A.C. System, the neutral pole of which is connected to the earth either direct or through added resistance, the working pressure shall be deemed to be that which is maintained between the phase conductor and the neutral. The insulation resistance measured in mega ohms between all conductors connected to one pole of phase conductor of the supply and all the other conductor and switches in off position it's value shall be not less than as specified below:

The insulation resistance measured in mega ohms shall not be less than 50 mega ohms divided by the number of outlets or when PVC insulated cables are used for wiring , 12.5 mega ohms divided by the outlet subject to a minimum value of 1 mega ohm.

A preliminary and similar test may be made before lamps etc. are installed and in this event the insulation resistance to earth shall not be less than 100 mega ohms divided by the number of outlets or when PVC insulated cables are used 25 mega ohms divided by the number of outlets subject to a minimum of 1 mega ohm.

2) Polarity Test of Switches : In a 2 wire system a test shall be made to verify that all switches in every circuit are fitted in the same conductor through out and such conductors shall be labelled or marked for connection to the phase conductor or to the non earthed conductor of supply.

In a 3 wire or 4 wire insulation a test shall be made to verify that every non linked single pole switch is fitted in a conductor which is labelled or marked to one of the phase conductor of supply.

3) Earth Continuity Test : The Earth Continuity Conductor including metal conduits and metallic envelopes of cables in all cases shall be tested for electric continuity and electrical resistance of the same along with the earthing lead but excluding any added resistance or earth leakage circuit breaker measured from connection with earth electrode to any point in the earth continuity conductor in the completed insulated shall not exceed 1 ohm.

List of Materials of Approved Brand And/ Or Manufacture

SL NO	Description	Make of materials
1	PVC Copper Wires- PVC insulated HR-FR-LSH-LF (Heat Resistant Flame Retardant Low Smoke Halogen – Lead Free. (To be ROHS Compliant))	POLYCAB / HAVELLS / ANCHOR / KEI
2	MCCB	LEAGRAN / SIEMENS / HAVELLS, ANCHOR / L & T
3	MCB/ DB	HAVELLS / L & T / SIEMENS / ANCHOR / LEAGRAN
4	LT Cable	POLYCAB / FINOLEX / HAVELLS / ANCHOR
5	CHANGEOVER	INDO ASIAN / GE / STANDARD / HAVELLS / ANCHOR / SIEMENS
6	ELECTRICAL FIXTURES	PHILIPS / CROMPTON / HAVELLS / ORIENT
7	GLAND / LUGS	Dowells/comet approved Equivalent
8	INDICATION LAMP	L&T / TEKNIC
9	SWITCH / SOCKET / MS BOXES	ANCHOR (ROMA) / HAVELLS (CRAB TREE) / L& T / LEGRAN
10	PVC ELECTRICAL PIPES & FITTINGS (ISI APPROVED)	AVON PLAST / ASTRAL / ANCHOR / PRECISION /HAVELLS
11	SPEAKER	BOSCH / AHUJA
12	RJ 11 socket / Call Bell & Other Accessories	ANCHOR (ROMA) / HAVELLS (CRAB TREE) / L& T / LEGRAN
13	G.I. Pipes and Fittings (ISI approved)	TATA / JINDAL

1. All materials to be delivered at site. If the material used for the work is not in conformity with the specifications, the same shall be replaced by contractor. All the material required for the above work shall be arranged by the contractor at his own cost.
2. Selection of material to be done in consultation with the BANK representative / Engineer.
3. All materials shall be of the first quality.
4. Wherever Contractor proposes to use 'equivalent' makes (i.e. other than specified) the same shall be done only after prior approval from BANK. BANK may consult Architect before giving approval. Any additional expenditure, time due to this will be on Contractor's account and no claims will be entertained.
5. Read "or equivalent approved" at the end of the list of approved manufacture / sub-contractor / brand for every materials.

NAME AND ADDRESS OF THE CONTRACTOR:

SIGN & SEAL OF THE CONTRACTOR:

Date:

PREAMBLE TO BOQ

Abbreviations:

R.M.T.	:	Running Meter
Sq. MT.	:	Square Meter
Sq. Ft.	:	Square Foot
Cu. Mt.	:	Cubic Meter
T.W.	:	Teak Wood
Q.R.O	:	Quote Rate Only
C / C	:	Centre to Centre
Pts.	:	Points
C.P.	:	Chrome Plated
NO.	:	Numbers.
MM.	:	Millimeter

1. All dimensions are in M.K.S. unless otherwise stated.
2. The quoted rate shall be all inclusive and cover the cost of material including wastage, Freight, all types of taxes, duties, royalties, erection, construction, testing of materials, if required samples brought for approval, tools and tackles, plant and equipment's, supervision, overheads, profit and any other expenditure incurred for completion of work as per drawings, specifications and to the full satisfaction of BANK / Architect.
3. The rates quoted shall be valid for working at all heights, depths, and on all floor levels, No extra payment shall be made for scaffolding, staging, ladders etc. for transportation of men and materials at higher or lower levels.
4. The item rate specifications are indicative. The Contractor will have to carry out the work in accordance with the drawings, technical specifications and /or other conditions laid down in tender document and to the full satisfaction of BANK /Architect.
5. Quantities mentioned against respective items are approximate and can vary to any extent. Payment shall be made on actually executed quantities.
6. No claims shall be entertained in case of increase or decrease in quantities, BANK /Architect reserve the right to increase / decrease quantities of any item and also to add / Delete any item in totality. BANK / Architect reserve right of operating any item for any work.
7. After completion of work the site shall be handed over absolutely clean, after ensuring that all floors, walls, etc. are spotless clean.
8. Rates of all items shall remain constant irrespective of floor level and no extra shall be Paid for handling and stacking of materials, removing debris etc. from the site.
9. Unless otherwise noted, the method of measurement will be as per I.S. 1200.
10. BANK / Architect reserve the right of operating all 'Quote Rate only' items.
11. Wherever contractor proposes to use 'equivalent' makes (i.e. other than specified) he shall obtain BANK's prior approval. BANK may ask Architect before giving approval to the same. Any additional cost and time lost due to this will be on Contractor's account and no claims will be entertained.
12. After completion of work the site shall be handed over absolutely clean, after ensuring that all laminates, floors, walls, etc. are spotless clean.
13. Contractor has to follow rules of the building about timing, cleanliness and use of lift for loading and unloading material.

BILL OF QUANTITIES

The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc

Modular switches c/w MS box & cover plate shall be MK "Horizon Honeywell" curved switch design or any other equivalent approved by Architect. Vendor will get the colour approved from Architect. Colours available - White/ Jet black / Magnesium Grey/ Champagne Gold/ Red Oak wood. ALL MCB/MCCB SHOULD BE C TYPE

Vendor should obtain approval of all the light fittings from Architect/ Bank before purchase/ Installation.

S.NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE PER QUANTITY (Exclusive of GST)	TOTAL AMOUNT (Exclusive of GST)
				Rs.	Rs.
1	Supply & Installation of concealed point wiring using 600V grade 2.5 sqmm copper conductor PVC insulated wires (with proper R,Y,B colour code) pulled through heavy gauge PVC conduits laid concealed over false ceiling or in wall chases including circuit wires from the relevant DB and also including 1.5 Sq.mm Green Colour Copper earth wire and provision of grid plate type (ROMA) switches and sockets as approved by Bank / Architect. Each circuit feeding not more than 8 points / 800 W as per the following configuration.				
a	Primary light points including the cost of 5A switch	Pts	5		
b	Secondary light points looped from the above point	Pts	5		
c	S & I of point wiring for UPS or stabilized power plug points on workstations / table for computers using 3C X 2.5 Sq.mm Cu. PVC sheathed white colour flexible cable pulled through above False ceiling and cutting the walls as raceways are not provided and taken upto table top using PVC rigid or flexible conduits run within wooden or metal partitions. Each point consisting of 3 Nos of 2 / 3 Pin sockets and 1 No 15A switch, wired together forming one point. Switches and sockets to be (ROMA). Earth wire to be of Green colour only. (Only 2 tables served by one circuit from UPS DB) Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the	Pts	15		

	wires.				
d	S & l of points similar to above but to be used as raw power point on the tables consisting of one 5/15A socket with switch of other colour and flexible cable of black colour & circuit taken from Lighting DB (4 tables served by one circuit from LDB/PDB) Taken Above False ceiling and through walls as raceways are not provided. Cost is inclusive of necessary cutting the walls and including PVC Pipe required for taking the wires.	Pts	15		
2	Providing and laying Cat 6 cable (Make: Systimax) for data in conduits and providing & terminating with RJ-45 (Krone make) with face plates / I/O Ports in suitable modular / MS box from server / EPABX room to individual work stations and terminating other end with RJ-45 connector including numbering with ferule etc. complete.				
a	RJ-45 for data points (Through wall, false ceiling, raceway)	Pts	15		
b	Supply and fixing of 1-meter-long factory crimped patch cord.	Pts	15		
c	Supply and fixing of 2-meter-long factory crimped patch cord.	Pts	15		
A	TOTAL AMOUNT				
B	GST AMOUNT (..... %)				
C	GROSS AMOUNT INCLUSIVE OF GST (A+B)				

NOTE:

- The above quantities are approximately taken for estimation purpose they may increase or decrease. Contractor will be paid for actual work executes against each item. Brief specifications are given for each item. Any of these items may be cancelled.
- The Contractor estimate shall also include MCGM / Local Authorities Liaisoning / Permission for smooth functioning the work.

GROSS AMOUNT IN WORDS :

Rupees.....only

Place:

Signature & Seal of the Bidder

Date:

