

PREMISES DEPARTMENT ZONAL OFFICE KANPUR

REQUEST FOR QUOTATION (RFQ) ELECTRICAL & DATA CABLING WORKS IN NEW PREMISES OF INDIAN BANK RURA BRANCH, DISTRICT - KANNAUJ

Ref:No : ZOK:PRM:2021-22:08

Date : 01/02/2022

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Last date of submission of Quotation	09/02/2022 upto 15:00 HRS at Indian Bank, Zonal Office, Premises Department, 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-Square Mall, Kanpur - 208001			
Date of Quotation opening 09/02/2022 at 16:00 HRS Indian Bank, Zonal Office, Premises Department 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-Square Mall, Kanpur - 208001				

CONSULTANT:

M/s Mohit and Associates L-2/554, Vineet Khand, Gomti Nagar, Lucknow Mobile No: 7428217659, 9582218092 Email - mohitg.gupta2783@gmail.com



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INDIAN BANK ZONAL OFFICE - KANPUR NOTICE INVITING QUOTATION

Indian Bank, Zonal Office Kanpur invites sealed quotations from empanelled contractors with Indian Bank (single bid system) for proposed Electrical & Data Cabling Work in the New Premises of Rura Branch, District -Kannauj. The Quotation

Documents can be downloaded from the Bank's website (www.indianbank.in) under Tender Column.

1	Name of work	Electrical & Data Cabling Work in New Premises of Rura Branch,
_	Number of Worm	District - Kannauj
2	Estimated cost of work	Rs.3.50 Lakh
3	Period of completion	30 days to be reckoned from 5 TH day from the date of issue of the Work
	_	Order or handing over of site whichever is later
4	Validity of Quotation	60 Days from the date of opening
5	Defects Liability Period	12 Months from the date of virtual completion of work
6	Earnest Money Deposit	Rs.3500/- (Rupees Three Thousand Five Hundred Only) by way of DD
		in favour of Indian Bank payable at Kanpur
		*Firms registered with MSME / NSIC with valid certificates issued by
		GOI are exempted from submitting EMD along with bid.
7	Initial Security Deposit (ISD)	After acceptance of Work Order, Contractor shall submit ISD of 2% of
		the Bid / Contract Amount in the form of DD.
8	Retention Money (RM)	8% of the Bill Amount excluding Taxes
9	Total Security Deposit (TSD)	10% of the Bid Amount (ISD – 2% & RM – 8%)
	= ISD + RM	ISD Amount will be refunded to Contractor within 14 days from the issue
		of Work Completion Certificate by the Architect and the Retention Money
		will be refunded after the completion of defect liability period.
10	Interim / Adhoc Payment	No Interim Payment / Adhoc Payment is allowed
11	Liquidated Damages	1% per week of the Contract Value subject to maximum total of 10% of
10		final Contract value
12	Quotation Documents	Quotation documents can be obtained from Indian Bank, Zonal Office,
		Premises Department, 15/287, Civil Lines, Mall Road, Near Z-Square Mall,
		Kanpur - 208001 from 01/02/2022 to 09/02/2022 on all working days
		during office hours and / or can be downloaded from the Bank's website
13	Last date for the submission	(www.indianbank.in)under Tenders column. 09/02/2022 upto 15:00 HRS at Indian Bank, Zonal Office, Premises
13	of quotations	Department, 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-
	of quotations	Square Mall, Kanpur - 208001
14	Date of opening quotations	09/02/2022 at 16:00 HRS Indian Bank, Zonal Office, Premises
1.	Date of opening quotations	Department, 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-
		Square Mall, Kanpur - 208001
15	Documents to be attached	Should have valid GST Number.
		Empanelment Letter / Work Order / Work Completion Certificate must be
		attached with this quotation.
		Please note that the firm should have carried out similar works in any
		Zone of Indian Bank (IB or E-AB) (ending 31.01.2022) in the last 3 years of
		value:
		 One Similar Work of value not less than Rs.2.8 Lakhs
		(OR)
		 Two Similar Work of value not less than Rs.1.75 Lakhs
		(OR)
		Three Similar Work of Value not less than Rs.1.40 Lakhs
		Sufficient proof has to be attached duly sealed and signed by applicant.

Note:

- 1. The bank reserves the right to reject any quotation /bid without assigning any reason.
- 2. The rates quoted by the bidder shall be based only on the specifications and conditions of the quotation documents.
- 3. Bank is not liable to make any payment to bidders for preparation to submit the bid.



DECLARATION

The Zonal Manager Indian Bank Zonal Office Kanpur 15/287, Civil Lines, Mall Road, Bada Chauraha, Near Z-Square Mall, Kanpur – 208001

Dear Sir.

SUB: Invitation of Quotation for Electrical & Data Cabling Work in New Premises of Indian Bank Rura Branch, District - Kannauj

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 in the Quotation Document.

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

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. 3500/- (Rupees Three Thousand Five 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 accept 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 **60 (Sixty) 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 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 TERMS AND CONDITIONS

- Bids should always be placed in sealed cover, with the name of the work written on the envelope "Electrical & Data Cabling Work in New Premises of Rura Branch, District Kannauj" will be received by Chief Manager (P&E), Indian Bank, Zonal Office, Premises Department, Kanpur.
- 2 The Indian Bank does not bind itself to accept the lowest quotation 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 quoted.
- a. 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 quotation 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 quote for the above job should have GST registration and should mention the registration number.

- Earnest money amounting to <u>Rs.3500/- (Rupees Three Thousand Five Hundred Only)</u> in the form of Demand Draft drawn in favour of "<u>Indian Bank", payable at Kanpur</u> must accompany each bid. EMD amount will not carry interest. Quotation without earnest money will be summarily rejected.

 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 Ouotation.
- 4 The Firm shall give a list of his relatives working with the Indian Bank along with their designations and addresses
- 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.
- 6 The quotation for mentioned works shall remain open for acceptance for a period of 60 days from the date of opening of Quotation.
- 7 It will be obligatory on the part of the bidder to sign all the pages of quotation documents.
- 8 The bidder must pay the amount of Earnest Money as mentioned in the Notice by Bank Demand Draft payable to Indian Bank. No interest on Earnest Money deposited by the bidder shall be allowed. The bidder should attach the Bank Draft along with the quotation failing which the bid will not be considered. No other mode of payment shall be accepted.
- 9 The Earnest Money Deposit of unsuccessful bidder shall be refunded within three weeks of award of contract to the successful bidder or within one week of actual commencement of work whichever is earlier and in any case not later than four months.
- 10 The Earnest Money Deposit of the successful bidder shall be refunded on the acceptance by the Employer of the Contractor's Demand Draft towards Security Deposit.
- 11 The EMD of the bidder, whose bid is accepted, shall be forfeited in full in case he does not start the work by stipulated date mentioned in the award letter.
- 12 The retention amount at 8% on the value of the bill paid will be held by the Indian Bank apart from ISD. ISD Amount (2%) will be refunded to Contractor within 14 days from the issue of Work Completion



Certificate by the Architect and the Retention Money (8%) will be released at the end of Defect Liability Period (12 Months), subject to satisfactory rectification of defects noticed, if any. ISD and Retention Amount held in our Bank's Book will not carry any interest.

- 13 The acceptance of a quote 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. Quotes in which any of the prescribed conditions are not fulfilled (or) are incomplete in any respect are liable to be rejected. The Indian Bank reserves the right to accept the quote 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.
- 14 Canvassing in connection with quotes is strictly prohibited and the bids submitted by the bidders who resort to canvassing will be liable to rejection.
- All rates shall be quoted on the proper form of the quote alone. **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.
- 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.
- 17 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.
- 18 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.
- 19 The Contractor shall within 7 days of receiving the WORK ORDER submit **INITIAL SECURITY DEPOSIT of 2% of the contract value in the form of a Demand Draft**. On acceptance of the Demand Draft, the Earnest Money Deposit shall be refunded to the Contractor.
- 20 The Contractor shall comply with and give all notices required under any law, rules, regulations, or byelaw 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.
- 21 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.
- 22 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.
- 23 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.
- 24 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.
- 25 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.



- 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.
- 27 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
- 28 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.

29 The contractor should ensure payment of minimum wages + VDA to all labourers / workmen staff employed by him inline 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.

30 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.

- 31 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.
- 32 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 consistence to be in contingent with the period of the completion of the work then the Bank may terminate the work order by giving a 5 days 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.
- 33 The time allowed for completing the works is **30 days** to be reckoned from **5**TH **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.
- 34 If the Contractor fails to complete any or all the works by the date/s named in **Clause 33** (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.
- **Extension of time:** If in the opinion of the Employer/ Architects 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 endeavors 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.



37 The successful bidder shall be required to execute an Agreement in the proforma attached with this quotation document within 7 days from the date of receipt of the notice of acceptance of bid. 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.

38 PAYMENT DETAILS -

- No advance payment shall be made to the contractor on supply of any material supplied at site for execution.
- All bills shall be prepared by Contractor in the form prescribed by the Employer / Architects.
- No interim / Adhoc payment will be made to the Firm during the course of the work.
- 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 30 days from the date of proper submission of bill & measurements.
- Bank will deduct the retention money as described in the Clause No 12 and the refund will be made as specified in the same clause.
- 39 The bidders shall separately specify at the end of the bid the % and value of SGST and CGST as applicable. As on date 9 % CGST and 9% SGST IS APPLICABLE FOR WORKS CONTRACT. 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.
- 40 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 Architect and after getting the approval, the same has to be incorporated by the contractor.
- 41 Single Power point & Water for work will be provide by bank at free of cost
- 42 The contractor shall not directly or indirectly sublet the work to other party without written permission of the bank.
- 43 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.
- 44 Bank shall not be responsible for any lose 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
- 45 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 quote.
- 46 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.
- 47 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.
- 48 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.

- 49 The Bank reserves the right to accept/reject any quotes without assigning any reasons.
- 50 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
- 51 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

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:

3) **Completion Period**:

Time is the essence of the Contract. The work is to be completed in all respects within **30 days** reckoned from 5th **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.3500/- (Rupees Three Thousand Five 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 statuary 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 Kanpur 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



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	LEAGRAND / SIEMENS / HAVELLS, ANCHOR / L & T
3	MCB/ DB	HAVELLS / L & T / SIEMENS / ANCHOR / LEAGRAND
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 / LEGRAND
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 / LEGRAND
13	G.I. Pipes and Fittings (ISI approved)	TATA / JINDAL

Note -

- 1. Materials mentioned in the specification shall be used for the work. If specified material is not available prior approval of the Employer shall be taken to use other brands.
- 2. Preference of makes, supply of items should be consulted with client/consultant before effecting of supply.

NAME AND ADDRESS OF THE CONTRACTOR:

SIGN & SEAL OF THE CONTRACTOR:		
Date:		
Place:		



SCHEDULE OF QUANTITIES

QUO	QUOTATION FOR ELECTRICAL & DATA CABLING WORKS IN NEW PREMISES OF INDIAN BANK RURA BRANCH, DISTRICT - KANNAUJ				
S. No.	DESCRIPTION OF WORKS	UNIT	QTY	RATE (Rs.)	AMOUNT (Excl. of GST) (Rs.)
1	POINTS & WIRING				
1.1	LIGHTS POINTS				
	Wiring for light point/ fan point/ wall fan point/ exhaust fan/ light sockets etc. with 1.5 sq.mm. PVC insulated 1100 V Grade copper conductor (FRLS) wires & 1.5 sq.mm. copper earth wire in concealed/ surface using 16 SWG MS conduits, accessories such as bends, tees, saddles, draw boxes, mounting boxes, inner plates, cover plates, ceiling rose etc. (where ever required) and chromium plates brass screws/ rowel plug etc. The circuit wiring starting from DB to point control box/ switch box using 2 X 2.5 sq.mm PVC insulated 1100 V grade multi stranded copper conductor wire & 1.5 sq.mm. PVC insulated earth wire (color code to be used). (Flexible conduit/ elbow not allowed). The conduit to be laid in ceiling with proper clamps/ wall/ floor and filling the chase with cement mortar and finishing the same in original form/ wooden partition/ above false ceiling with proper clamps etc. all complete. (Wherever required as per standard specifications).				
	Each circuit shall have independent earth wire. Each point shall be earthed. Circuit wiring is to be included in point wiring rates.				
i	1 light by 1 switch	Nos.	40		
ii	2 light by 1 switch	Nos.	12		
iii	One call bell point with ceiling rose/ 6amp. 3 pin socket controlled by one 6 amp. Push Modular switch. With call bell	Nos.	1		
iv	Ceiling fan point with step type electronic regulator controlled by one 6 amp. Modular switch. The switch should be at switchboard level.	Nos.	4		
v	Similar as above for wall mounting fan including box with 5A Control Switch along with clamp and ceiling rose	Nos	10		
vi	Similar as above for Exhaust fan controlled by modular switch	Nos	4		
v	One 5 pin socket controlled by one 6 A Modular switch in the switch board itself	Nos.	10		
1.2	RAW POWER POINTS				
i	Supplying and fixing metal / PVC box of 180mm x 100 mm x 60 mm deep on concealed with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin, 15/16 A Socket outlet and 15/16A piano type switch, connections, etc as required, supply and wiring with 2 runs of 2.5 sq.mm with 1 run of 1.5 sq.mm copper wire FRLS for earth continuity in PVC Conduit with all required accessories, complete for the finished item of work.	Nos	10		



ii	Supplying and fixing metal / PVC box of 180mm x 100 mm x 60 mm deep on concealed with suitable size of phenolic laminated sheet cover in front including providing and fixing 5 pin, 6A Socket outlet and 6A piano type switch, connections, etc as required, supply and wiring with 2 runs of 2.5 sq.mm with 1 run of 1.5 sq.mm copper wire FRLS for earth continuity in PVC Conduit with all required accessories, complete for the finished item of work.	Nos	6	
1.3	AC POINTS FOR INDOOR & OUTDOOR UNITS			
	Same as serial no.1.1, but wiring for A/C socket by using 2*4 sq.mm. PVC insulated 1100 V grade copper conductor wire and earthing with 1*4.0 sq.mm. PVC insulated 1100 V grade copper conductor wire with modular type AC box (tiny trip type) with socket complete in all respects controlled by 25/32 A SP MCB to be provided near indoor unit. The point starts from DB to stabilizer to the point near the indoor unit including top.	Nos.	5	
1.4	Strong room controlling DP MCB at entry gate outside of strong room - Circuit wiring with 2x2.5sq.mm + 1x 1.0sq.mm stranded Cu. conductor (Finolex/Anchor/Havells) to be laid in 19mm M S conduit pipe heavy duty 16swg laid & concealed in wall/ floor/paneling/ partitions or above false ceiling as per requirement. The electric wiring should be arranged separately for the Strong Room and it is to be connected to a plug outside. The job also includes supply & fixing of 32A DP MCB in 2way box including connections with lugs. The rate should include the cost of all materials, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc.The job shall be complete & to the entire satisfaction of the Bank.	Job	1	
1.5	Wiring with 2x2.5 sq.mm. + 1.5 sq.mm. PVC insulated 1100 V grade multi stranded copper conductor wires in 2 mm thick PVC conduit from UPS DB to Computer Point. Each point to have 2 nos. 6 amps. 5 pin modular type sockets and 1 no 16A 5 pin modular type socket, one 6A modular switch & one 16A modular switch with all accessories, inner/ outer plates, metal box etc. and to be fixed on wooden partitions/ by grouting on wall etc. as per requirement at site. The switch should be fixed with sockets under the counter) Same as above but looped from the above 1st point to 2nd, point and 2nd point to 3rd point.(Maximum 3 points in a circuit)	Nos	11	
	Sub Total 1			
2	CABLES, MAINS & SUBMAINS			
2.1	Supplying all materials and laying/pulling 1100 volts grade PVC insulated copper conductor wires (FRLS-H) in MS conduit with all fixing accessories after cutting the floor, wall and the like etc. and plastering the floor level to original. Conduit must be 30 mm below the floor finish level.			
i	2 X 4 sq.mm. + 1 X 4 sq.mm.	RM	25	
ii	2 X 6 sq.mm. + 1 X 6 sq.mm.	RM	22	
iii	2 X 10 sq.mm. + 1 X 6 sq.mm. (Branch UPS DB)	RM	25	
iv	1 X 10 sq.mm. Cu wire for earthing. (UPS Input/Output)	RM	25	



2.3 Supplying, laying, testing & commissioning of 4 C X 25 sq.nm. at 1100 volts grade PVC insulated aluminum conductor armouned cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Power + AC DB). 2.4 Supplying, laying, testing & commissioning of 3.5 x 35 sq.nm. at 1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification. (Mains) Sub Total 2 3 DISTRIBUTION BOARD Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors, neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS B's is c. for computers, PC's circuit, Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible co	2.2	Supplying, laying, testing & commissioning of 4 C X 16 sq.mm. at 1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Light DB).	RM	25	
1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification. (Mains) Sub Total 2 3 DISTRIBUTION BOARD Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with bullt in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) Incomer: 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase.	2.3	1100 volts grade PVC insulated aluminum conductor armoured cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification (Power +	RM	15	
Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) Incomer: 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase	2.4	1100 volts grade PVC insulated aluminum conductor armored cable with 10 gauge earth copper wire including cables end termination using appropriate Lugs, Glands, termination accessories, Clamps etc. as required as per specification. (Mains)	RM	30	
Supplying, installing, testing & commissioning of surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) Incomer: 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-					
surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required. Use 'B' curve MCB's for lighting & small power circuits, 'C' curve for motor duty i.e. for pumps, AC motors, window and split AC's etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) Incomer: 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-	3				
etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load. Each DB shall have separate neutral links of rating not less than 100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) No. 1 Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-		surface/recessed mountings, Double door 415 volts TPN MCB distribution board of steel, 1.6 mm thick dust phosphatized and painted, inclusive of 100 amps, tinned copper bus bars, earth bar, common neutral link, din bar for mounting of MCB's detachable gland / knock out plate & with built in loose wire box, and superior make terminal connectors for all incoming and outgoing circuits duly prewired with adequate size of PVC insulated copper wires between the bus bars and the MCB's as well as the incomer and up to the terminal connectors/ neutral link and ready for installation of following ways as required.			
100A for each phase. The main incoming neutral link shall be in addition to three outgoing neutral links and shall be of 125 A. UPS DB's shall have a dedicated Earthing link fixed on insulated supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) No. 1 Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-		etc. & 'D' curve for UPS DB's i.e. for computers/ PC's circuit. Main incomer & outgoing circuit MCB's shall be selected accordingly i.e. type B, C & D. Contractor to select the MCB's accordingly as per the nature of the circuit/ load.			
supports, which will be in addition to body earth link. All internal inter connecting wiring with in the DB's shall be PVC insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) No. 1 Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-		100A for each phase. The main incoming neutral link shall be in			
insulated flexible copper conductor wires of adequate capacity as per the current rating. Inside each DB, a DB chart is to be fixed. 3.1 4-way TPN DB (LIGHT DB) No. 1 Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-		supports, which will be in addition to body earth link.			
Incomer:- 1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-		insulated flexible copper conductor wires of adequate capacity as			
1 No. 40 Amp TPN (10 KA) MCB with 40 A DP RCCB (100 MA) each phase Outgoing:-	3.1	4-way TPN DB (LIGHT DB)	No.	1	
each phase Outgoing:-					
Outgoing:-					
10 Nos 6/10 Amp (10 KA) SP MCB					
To mostly to map of most		10 Nos.6/10 Amp (10 KA) SP MCB			



3.2	4-way TPN DB (Power DB)	No.	1	
	Incomer:-			
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase			
	Outgoing :-			
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB			
3.3	4-way TPN DB (AC DB)	No.	1	
	Incomer :-			
	1 No. 63 Amp TPN (10 KA) MCB with 63 A DP RCCB (100 MA) each phase			
	Outgoing :-			
	6 Nos. 10/16/25/32 Amp (10 KA) SP MCB			
3.4	SITC of surface / recessed mounted Double Door 2 way DB with 32A & 40A DP MCB for UPS Input / Output.	No	2	
3.5	12-way SPN DB (For UPS Sub DB)	No.	1	
	Incomer:-			
	1 No. 40 Amp DP (10 KA) MCB			
	Outgoing:-			
	10 Nos.6/10/16/25Amp (10 KA) SP MCB			
	Sub Total 3			
4	EARTHING SYSTEM			
4.1	Supply, Installation, Testing and Commissioning of Maintenance Free Earthing system made up of Copper bonded rod / Galvanized JK Chemrode 10 feet length, 25 mm dia. (Minimum copper bonding shall be 0.25mm) filled with highly conducting metallic compounds with permanent sealing at both the ends with lead terminal including bore well, chamber with cover and all required civil allied works, earth pit to be filled with 2 bags of 25 kg pack of Back Fill Compound (Earth Enhancement Material). The rate should be inclusive of Rod-to Conductor connectors, Earth enhancement material, Pit Cover and other accessories as required and as per specification and other applicable codes (include chamber for earthing, Earthing certificate to be submitted along with the bill). The job also includes wiring with 1 x 10 sq.mm PVC insulated copper conductor wire of 650 / 1100 Volt grade (Finolex, Polycab Make) upto 10 m as earth wire with concealed / exposed GI pipe including making all the connections with guaranteed E/N voltage of less than 3 volts and resistance less than 1 ohms. Supplying, laying and fixing of 10 sq mm copper pvc insulated	Nos	2	
4.2	wire covered with GI Pipes from earthing plate to main panel, if required beyond 10m	Metre	20	
	Sub Total 4			
5	MAIN PANEL AND METER BOARD			
5.1	SITC of 100A Kit kats fuse unit 3nos in wooden patra complete with 100Amp. Neutral link complete in all respect as required.	Set	1	
	1 No for Metre			
	1 no for Panel to Outer Side Of Wall (For Generator Connection)			
				 1



5.2	Designing, fabrication, supply, installation, testing and commissioning of front operated cubicle type compartmentalized, front access, free standing on 75MM "[" MS channel, dust and vermin proof (IP 42 degree protection) panel suitable for use at 415V, 3 phase, 4-wire 50Hz system suitable for fault level of required value symmetrical at 415V fabricated from 2mm thick CRCA MS sheets with hinged, gaskettted (Metal based neoprene) lockable doors having structural reinforcement including 3mm thick gland plates on top and bottom, lifting hooks, GI earth strip of required size with 2 no's earth terminals, 2 no's 230V AC operated 250 mm X 250 mm size axial fans for exhaust of heat with On-Off toggle switches including 2 coated primer and 2 power coated paint finish of approved shade over metal surface cleaned and treated with seven tank process complete with interconnections etc. as per specifications as required. Main panel board of approved make (Should be CPRI Approved, Type of Approval as instructed by the concerned office in charge). As per the following specifications, (Part IV - Substation) and IS: 8623 comprising of followings panel mounting switchgears etc. as required, should be CPRI Approved. Note: Type of CPRI testing shall be as per Architect/ Bank's instructions. All switchgears shall have provision for entry of cables from the top or bottom through Cable Alley. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The bus bars insulation shall be with heat shrinkable sleeves SMC/ DMC shrouds and bus bar supports shall be used. Padlocking facility shall be provided on all outgoing feeders' doors and switch handles shall be lockable in OFF position. Suitable arrangement shall be made for termination of multiple incoming cables. All KA values indicated shall be ICS breaking capacity. GA drawings shall be got approved by concerned office in charge.	Set	1	
a.	FLOOR PANEL			
	INCOMER			
	1 no. 100 Amp 4P On Load Change over switch with 1 No. 100 Amps,TPN MCCB (25 KA) with extendable rotary handle each thermal over current, instantaneous, Short circuit release, Earth fault. BUSBARS 125 amps TPN pole bus bar chamber of suitable length with copper bus bars. All bus bars and interconnections shall be of			
1	suitable size copper strips.			
b.	INDICATING PANEL			
	Digital flush type class-1.0 accuracy multifunction meter showing V, A, PF etc. with 3 Nos. Current Transformers of 125/5A ratio, 15 VA Class-1.0 metering 1 sets.			
	Red/Green/Amber ON/ OFF/ TRIP indicating lamps with 2A SP MCB backup protection			



1				1
	1 set of three phase indicating lamps along with 2A SP MCB backup protection.			
	Restricted Earth fault relay with 3 Nos. current transformers of 125/5 ratio, 15 VA Class 5P 10			
	(Numeric Relay not required.)			
	Under voltage, Overvoltage & phase reversal relay for persisted voltage of 105-180% & 20-95% of rated voltage (Numeric Relay not required).			
	OUTGOINGS:-			
	2 Nos 40 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (For Light DB & Spare)			
	3 Nos 40 A DP MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars.			
	2 Nos 63 A TPN MCB (10 kA) terminals suitable to receive cable on one side and wire connection to Bus bars. (for AC and Power DB)			
	The electrical panel as described above and specifications complete.			
	Sub Total 5			
6	OUTDOOR TYPE GLOW SIGN BOARD WIRING			
6.1	Supply laying of Main line with 2x2.5 + 1x 1.5 Sq.mm through MS conduit from main panel along with 25A DP MCB at main entrance / panel as per Bank & Architect Direction	JOB	1	
	Sub Total 6			
7	Sub Total 6 GENSET WIRING			
7 7.1		Metre	15	
	GENSET WIRING Supply laying fixing Main power with 4 Core 16 Sqmm PVC insulated, PVC sheathed Aluminium Armoured Cable, 1100 V grade complete with 02 nos. 8 SWG bear GI wire/ As per	Metre Nos.	15	
7.1	GENSET WIRING Supply laying fixing Main power with 4 Core 16 Sqmm PVC insulated, PVC sheathed Aluminium Armoured Cable, 1100 V grade complete with 02 nos. 8 SWG bear GI wire/ As per requirement & load calculation of DG Set End termination of 4 core 16 Sq.mm armoured cable, complete with brass cable Gland, Alu Lug, PVC tape (Selection based on Load Analysis/ As per requirement & load calculation of DG		_	
7.1	GENSET WIRING Supply laying fixing Main power with 4 Core 16 Sqmm PVC insulated, PVC sheathed Aluminium Armoured Cable, 1100 V grade complete with 02 nos. 8 SWG bear GI wire/ As per requirement & load calculation of DG Set End termination of 4 core 16 Sq.mm armoured cable, complete with brass cable Gland, Alu Lug, PVC tape (Selection based on Load Analysis/ As per requirement & load calculation of DG Set/Standard IS Rule)		_	
7.1 7.2 8 8.1	Supply laying fixing Main power with 4 Core 16 Sqmm PVC insulated,PVC sheathed Aluminium Armoured Cable,1100 V grade complete with 02 nos. 8 SWG bear GI wire/ As per requirement & load calculation of DG Set End termination of 4 core 16 Sq.mm armoured cable, complete with brass cable Gland, Alu Lug, PVC tape (Selection based on Load Analysis/ As per requirement & load calculation of DG Set/Standard IS Rule) Sub Total 7 LAN & DATA CABLING WORKS Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/ 25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the I/O hub to the point.	Nos.	10	
7.1	Supply laying fixing Main power with 4 Core 16 Sqmm PVC insulated,PVC sheathed Aluminium Armoured Cable,1100 V grade complete with 02 nos. 8 SWG bear GI wire/ As per requirement & load calculation of DG Set End termination of 4 core 16 Sq.mm armoured cable, complete with brass cable Gland, Alu Lug, PVC tape (Selection based on Load Analysis/ As per requirement & load calculation of DG Set/Standard IS Rule) Sub Total 7 LAN & DATA CABLING WORKS Wiring for computer networking from Jack Panel in data rack to computer workstation with Cat-6 computer cable in PVC conduits of size 20/25 mm including providing ferrules at both ends and termination at both ends including providing & fixing frame for Cat-6 with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes supply and laying of CAT-6 cable in PVC conduits throughout the length, from the	Nos.	2	



8.4	Supplying and fixing Patch Cord-2 Meter- (DBPS Mounting Cord)	Nos.	10	
8.5	Supplying and fixing Patch Cord-1 Meter-	Nos.	10	
	Sub Total 8			
9	ELECTRICAL FIXTURES			
	Supplying, installation with hanging support, testing and commissioning of following light fixtures with electronic Ballasts, Tubes, lamps, all fixing materials including connecting wires etc. all complete as per the directions of Engineer-in-charge (All LED Light Fixtures should be covered with minimum 3 Years onsite replacement warranty).			
9.1	LED 20 W tube 4'-0" As specified in tender document or approved by Bank / Architect	Nos.	10	
9.2	FULL GLOW 2 X 2 LED 36 W / 38W slim Smart Panel of make As specified in tender document or approved by Architect.	Nos.	11	
9.3	Supplying, fixing, testing and commissioning of 15 W LED Square Shape down lighter of make. As specified in tender document or approved by Architect.	Nos.	24	
9.4	S/F HIGH FLOW, SILENT Wall Fans 400 mm dia. make As specified in tender document or approved by concerned office in charge.	Nos.	10	
9.5	Supply & fixing of 300 mm exhaust fresh air with all accessories etc. complete of make As specified in tender document or approved by concerned office in charge.	Nos.	3	
9.6	S/F Heavy Duty Exhaust Fan 450mm with all the accessories complete as per Bank's Instructions in UPS room	Nos	1	
9.7	Supply & fixing of 1200 mm dia Sweep Ceiling fan with downward rod(below false ceiling), canopy etc. including of PVC flexible copper wire.(white colour)(High speed) (Warranty Cerificate is necessary)with downward rod, circular boxes, ball sockets, ceiling plates, suitable arm bracket etc. including connection with wire)	Nos.	4	
9.8	S/F of angle holder for bulbs including cost of 15W LED Bulb	Nos	3	
	Sub Total 9			

ABST	RACT:	
1	ELECTRICAL WIRING WORKS	
	(Sub Total 1+2+3+4+5+6+7)	
2	LAN & DATA CABLING WORKS	
	(Sub Total 8)	
3	ELECTRICAL FIXTURES	
	(Sub Total 9)	
4	TAXABLE AMOUNT (1+2+3)	



5	GST AMOUNT (%)	
6	GROSS AMOUNT (4+5)	
	AMOUNT IN WORDS: RUPPES	

Place:	Signature & Seal of the Firm
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Date:













