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NOTICE OF INVITATION FOR COMPOSITE FURNISHING WORKS & ELECTRICAL WORKS AT HAZARIBAGH BRANCH PREMISES

Sealed Tender are invited from **Jharkhand** empanelled Furnishing and Electrical contractors for the Composite Furnishing & Electrical Works to be carried out at our **CANARA BANK HAZARIBAGH BRANCH, RO HAZARIBAGH** under Circle Office Ranchi as per the details below:

Ref.No. RNCO/GAS/HAZARIBAGH/ON 440/2025-2026/MKS		Date: 23.09.2025
1	Time for Completion	10+50 days from the date of Work Order
2	Nature of the document:	SINGLE BID CONCEPT. This Tender document comprises of the following: Technical Bid a. Notice Inviting Tenders b. General Rules, Instructions and Conditions c. BOQ of the Works d. List of Makes e. Drawings & Layouts of the Branch Duly filled documents in their prescribed form should be placed in one sealed envelope. The Name of Work & Tenderer must be written on the envelopes in a legible manner
3	Date of Issue	24.09.2025
4	Last Date & Time of Submission	03.10.2025 up to 04:00 PM To, The Assistant General Manager, General Administration Section, Canara Bank, Circle Office, Ranchi.
5	Date & Time of Opening	Will be opened on 03.10.2025 on or after 05:00 PM or any subsequent date as intimated by the bank.
6	ADDRESS OF THE BRANCH	PO: Malhara, Malhara BO, Rampur - 814157
7	TENDER FEE	-Nil-
8	ESTIMATE AMOUNT	Rs. 22,25,946.60/- + GST and buy-back of Rs. 78,000/-

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

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FURNISHING WORKS & ELECTRICAL WORKS AT CANARA BANK HAZARIBAGH BRANCH, RO HAZARIBAGH UNDER CIRCLE OFFICE RANCHI

GENERAL RULES, INSTRUCTIONS AND CONDITIONS

1. Sealed OFFERS are invited for the work of: Furnishing Work at Canara Bank **HAZARIBAGH BRANCH, RO HAZARIBAGH**.
2. Offer shall be on prescribed form only, can be downloaded from Canara Bank's website www.canarabank.com --> Tenders
3. The offers are called from Banks panel contractors and it is a part of the condition that **the terms and conditions detailed in the IBA's construction works manual will be applicable and binding on the contractor.**
4. The works are to be carried out under the supervision of Bank's Technical Officer/ Architect. The works shall be carried out strictly according to the specification as specified in the tender and working drawings. Any ambiguity in the specifications / drawings shall be brought to the notice of the Bank & the decision of the Bank in such matters will be final & the same is binding on the contractor.
5. **Time period:** The total time allowed for carrying out of the work shall not exceed the period specified in the Notice Inviting Tenders i.e. **10 + 50 days from date of Work Order.**
6. **IF THE BIDDER COMES L-1 AND AFTER BECOMING L-1 IF HE REFUSES TO DO THE WORK/BACKS OUT, THE BIDDER HAS TO SUBMIT THE PENALTY OF Rs. 50,000/- (RUPEES FIFTY THOUSAND ONLY THROUGH DD) OR HE WILL BE DE-EMPANELLED FROM WORKING IN CANARA BANK FOR 1YEAR.**
7. The offerers should quote in figures as well as in words the rate, and amount tendered by them. The rates quoted shall be all inclusive rates for the item of work described, including materials, labour, tools, carriage & transport, lift charges, supervision, overheads & profits, mobilizing and other charges whatsoever including any anticipated or un-anticipated difficulties, any formality with the building society etc. complete for proper execution of the work as per specifications and no claim whatsoever for any extra payment shall be maintainable.
8. Resort to any action for getting the tenders such as using influence of Bank staff or outside force will lead to disqualification of the applicant.
9. Offerer shall quote the rates which shall be inclusive of all the incurred cost for materials and services or installation at the site as per the work contract and the Employer will not entertain any claim whatsoever in respect of the same, and nothing extra shall be paid/reimbursed for the same subsequently.
10. Goods and Service Tax as applicable will be paid as per the applicable government norms at the time of realization of bills. Offerers must quote the rates / total amount exclusive

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of GST and GST amount shall be mentioned (with % age) separately on the last page of the financial bid.

11. The Bank reserves the right to call for bills or orders placed to the Dealers/ Companies/ Distributors for procurement of material by the Offerer.
12. The Employer does not bind itself to accept the lowest tender and reserves to itself the right of accepting the whole or any part of the offer and offerer shall be bound to perform the same at the rate quoted. The Bank also reserves the right to cancel all the tenders without giving any reason whatsoever.
13. **The rate shall hold good for any upward or down ward variation in quantities and no claim on this account will be admissible.**
14. Offerers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their offers as to the nature of the site and dimensions, the means of access to the site, and obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their offer.
15. The offerer shall note that the work is to be carried out in a running branch premises and hence, contractor should use extra manpower for utilizing the available time. The necessary permission to carry out the works at night with statutory authorities is within the scope of the contractor and bank will not pay any additional charges.
16. **Payment Terms:** The interim payment shall be based on the progress of the works after getting the certification from the architects. The bills for interim payment shall be on a format similar to the tender or as prescribed by the bank along with the measurements of the executed work. While considering interim payment the value of materials at site shall not be considered. The interim payment amount payable is subject to deduction of retention money @ 10 % (Ten) and other statutory taxes.
17. The final bill for the works shall be submitted within one month from the date of completion of works, failing which the Bank reserves its right to treat the bill for the last interim payment itself as the final bill for the work and the contractor has no right to claim any amount against the work.
18. **RETENTION MONEY:** An amount equal to 10% of the value of the work executed shall be withheld as security deposit with the bank and the same shall be released without any interest after the defect liability period, subject to clause below.
19. **DEFECT LIABILITY PERIOD:** The DLP is 12 months form the date of completion of works as certified by the Engineer-in-charge. The works shall be guaranteed for a period of one year from the date of completion of work. Any defect arising during this period due to bad workmanship, quality of materials and others shall be rectified at no extra cost of bank, failing which the bank shall have liberty to engage other agency and recover the cost from the contractor.

20. The contractors shall make his own arrangement for the storage of the materials, without causing inconvenience to the normal working of the office and the security of the material stored shall be at the sole responsibility of the contractors/agency.
21. The contractors can make use of the available facilities at site like, electricity; water etc, with the prior approval of the Bank.
22. Any damage caused to the equipment, furniture, fixtures, decor of the office etc shall be rectified by the contractor at their own cost or the cost of the damages, as decided by the Bank, will be recovered from the contractor.
23. Contractor shall note that no additional work is to be carried out without the written order from the Bank.
24. All makes/brands of materials to be used in the works shall be as per the list of approved makes enclosed with the tender offer. Any make of material not listed shall be got approved by bank before commencing. Bank reserves the right to insist on the makes of materials given in the list and the decision of the bank in choosing the make shall be final and binding on the contractor.
25. **LIQUIDATED DAMAGES:** Time is the essence of the contract. If the contractor fails to maintain the required progress in terms of the contract or to complete the work and clear the site on or before the contract or approved extended date of completion, he shall, without prejudice to any other right or remedy of the Employer on account of such breach, pay as agreed compensation the amount calculated at the **rate of 1%(one percent) of the contract value per week of delay subject to a limit of 10%(ten percent) of the contract value as “Liquidated Damages” for the period during which the said works shall so remain incomplete or the Employer may deduct aforesaid sum towards such damages from any monies due to the contractor.** The Employer shall have the right to adjust, / set-off their claim, if any against any sum payable to the contractor under this or any other contract with the Bank anywhere in India/outside India.
26. **Arbitration:** In the event of any disputes, the parties have agreed to settle the same amicably between them, failing which the same will be referred to an independent Arbitrator as may be mutually agreed between the bank and contractor as per the Indian Arbitration Act.
27. All the material as specified in the BOQ shall be supplied on site within 7 days from date of order placed.
28. The work shall start only after inspection of materials supplied and confirmation from bank’s engineer.
29. Rate analysis shall be provided immediately whenever asked by bank.

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30. If any bidder backs out from the work after becoming L1, then the bidder has to deposit a sum of Rs. **50,000/-**. In case failure to deposit the above said amount the bidder will be de-empanelled for a period of 1 year from Canara Bank.
31. **Note** : Any discount offered in percentage by the contractors should be clearly mentioned in figures and as well as words. The offerer should arrive at the discounted amount and the same should be deducted from the quoted rate and Grand total should be arrived at. Any tenderer not adhering this condition, will be liable for rejection. I/We have read the offer document, its terms & conditions, aware of the scope of work, site conditions, specifications and quoted accordingly.

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TENDER-OFFER

I/We have read and examined the Notice Inviting Tender, Schedules, Specifications Applicable, Drawings and Designs, General Rules and Instructions, General Conditions of Contract, Special conditions, Schedule (Bill) of quantities in Price Bid, and all other documents referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Employer within the time specified at the rates specified in the attached Price Bid viz., schedule of quantities and in accordance in all respects with the specifications, designs drawings and instructions in writing referred to in the General Rules and Instructions, General Conditions of Contract and in all respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for 60 days from the due date of submission thereof and not to make any modifications in its terms and conditions. A sum ofis hereby forwarded as earnest money in form of Demand Draft of (Name of the issuing Schedule Bank) bearing no. and date

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If I/We fail to complete the work on the specified date, I/We will pay the penalty decided by the Bank.

In the event of my/ our failure to commence the work on the specified date after award I/ We agree that the Bank shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely otherwise the said earnest money shall be retained by it towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

I/ We agree that should I/ We fail to deposit the full amount of initial security deposit and/ or fail to commence the work specified in the above memorandum, an amount equal to the amount of the earnest money mentioned in the form of invitation of tender shall be absolutely forfeited to the Employer and the same may at the option of the Employer be recovered without prejudice to any other right or remedy available in law, out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any other money due to me/ us under this contract or otherwise.

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I/ We hereby declare that I/ We treat the tender documents, drawings and other records connected with the work as confidential documents and shall not communicate information/ derived there from to any persons other than a person to whom I/ We am/ are authorized to communicate the same or use the information in any manner prejudiced to the safety of the Employer.

I/We fully understand that you are not bound to accept the lowest or any tender you may receive. Shri. _____, Partner/ Proprietor/ Authorized representative of the Company, is the person authorized to negotiate commercial, technical terms & conditions & sign on behalf of the firm any Agreement, Bills & receipts for this work.

I/We agree that until a formal agreement on stamp paper is prepared and signed, this tender with your written acceptance thereof shall constitute a binding contract between us.

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Date: / /2025

Place :

Witness,

Name & address:

(Full Postal Address including Pin Code No. & Telephone No.)

1).

2).

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Signature of the Contractor (with Seal)
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ACCEPTANCE

The above tender (as modified by us or negotiations as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Employer for a sum of Rs. _____ (Rupees _____)

The letters referred to below shall also form part of this contract agreement:

- a)
- b)
- c)

Dated this _____ day of the month of _____ 2025

For & on behalf of the Employer

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Signature: _____

Designation: _____

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FORM OF AGREEMENT

This agreement made this _____ day of the month of _____ in the year 2025 BETWEEN, Canara Bank a body corporate constituted under the Banking Companies (Acquisition and Transfer of undertakings Act, 1970, having its Head Office, at 112 J.C. Road, Bangalore - 560002 amongst others a Circle Office at Pune represented by Assistant General Manager its duly constituted attorney (hereinafter referred to as the Employer/ Bank) on the ONE PART; and Shri _____ S/D/o _____ resident of _____ the sole proprietor of M/s _____ having office at the following address _____ M/s. _____ the partnership firm having an administrative/ principal office at _____ represented by its Managing/ duly authorised partner.

M/s. _____ Company/ body corporate incorporated under the provisions of the Companies Act 1956 having its registered office at the following address _____, duly represented at _____ duly represented by its constituted and authorized Managing Director, Shri _____ and (hereinafter called the Tenderer which term shall also be called the Supplier or the Contractor) on the other part

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WHEREAS THE Employer/ Bank is desirous that certain works be carried out (viz. Interior Furnishing works for Canara Bank's - Branch at as detailed in the Bill of Quantities) and has been accepted by the Employer on the terms and conditions as set out therein.

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this agreement words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to.
2. The following documents not inconsistent with these presents shall be deemed to form and be read and construed as part of this agreement viz -
 - a) Notice inviting Tender
 - b) General Rules and Instructions for the guidance of Tenderers.
 - c) The Tender, Letter of Acceptance, Letters from & to the tenderer, if any, leading to and prior to acceptance letter.

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- d) General Conditions of contract and clauses of contract along with Annexures thereto
- e) Technical Specifications/ particulars, Special Conditions/ Instructions, tender drawings if any, etc.
- f) Schedule of quantities including Prices and tendered amount known as Price-Bid.

3. In consideration of the payments to be made by the Employer to the tenderer, the tenderer hereby covenants and agrees with the Employer to construct, complete and perform the works in conformity in all respects and subject to all terms and conditions/ rules as mentioned in the General Conditions as also in the aforesaid documents which shall form part of this agreement.

In witness whereof the parties hereto have hereunto set their respective hands and seals the day and year first above written.

Signed, sealed and delivered by the said tenderer, _____
 _____ to the Employer _____

in the presence of:

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Signature of the Contractor/Tenderer

Signature of Authorized representative
 (with seal) of the Employer / Accepting
 Authority

Witness (Signature, Name & Address):

1).

2).

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GENERAL CONDITIONS OF CONTRACT

Except where provided for in the description of the individual items in the schedule of quantities and in the specifications and conditions laid down hereinafter and in the Drawings, the work shall be carried out as per standard specifications and under the direction of the Employer.

1. DEFINITIONS / INTERPRETATIONS.

- i. The 'Contract' means the documents forming the tender and acceptance thereof and the agreement duly executed between the Employer and the Contractor, together with the documents referred to therein including those conditions, the specifications, schedule of quantities, tender agreement, designs, drawings and instructions issued from time to time by the Engineer-in-Charge. All these documents taken together, shall be deemed to form one contract and shall be complementary to one another.
- ii. In the contract, the following expressions shall, unless the context otherwise requires, have the meanings, hereby respectively assigned to them :-
 - a) The 'Tenderer' or 'Supplier' or 'Contractor' shall mean the individual Kartha, or Manager of HUF, firm or Company, whether incorporated or not, undertaking the works and shall include the legal heirs/representatives of such individual or the partners composing firm and their legal heirs and successors, or company's authorized and constituted attorneys/agents and permitted assignees of such firm or company.
 - b) The 'Employer' or 'Bank' means any officer of the Canara Bank, who is specifically authorized to enter into contracts in respect of the above works.
 - c) The 'Engineer-in-Charge' means the Senior Manager, or Officer, / Engineer and/or Site Engineer who shall supervise and be in-charge of the work or any other authorized representative or person specifically deputed by the Employer and / or the Consultants wherever they are employed from time to time by the Employer.
 - d) "Engineer-in-Charge/Consultant/Architect": This term shall mean any authorized representative or person specifically deputed by the Employer wherever they are employed from time to time by the Employer.
 - e) 'Contract Price' shall mean the final accepted rates in the Price Bid hereto.
 - f) 'Date of Contract' means the 'Calendar date on which the Employer and Contractor have signed the Agreement on the Stamp Paper.
 - g) "Accepting Authority" shall mean The Assistant General Manager of the Canara Bank (the Employer).
 - h) 'Approval' wherever used in the specifications or schedule of Quantities shall mean, respectively, approved by or approval of the 'Accepting Authority' in writing.
 - i) 'Appellant Authority' shall mean The Deputy General Manager, of the Bank (the Employer). Who shall also be the authority to consider any extension of time or compensation as defined in clause hereunder.
 - j) 'Notice in writing' or 'written notice' shall mean a notice in writing typed or printed characters delivered to or sent by registered post to the last known address private or

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business address or registered office address, and shall be deemed to have been received when in ordinary course of post it would have been delivered, and/or delivered personally, or otherwise proved to have been received.

- k) 'virtual completion' shall mean that the work/installation is complete in all respects in the opinion of the Employer and for which the completion/clearance certificate has been issued by the Engineer -in-charge / Consultant and the installation is fit for usage.
- l) 'Drawings' shall mean all drawings and/or design drawings furnished by the contractor / sketches duly signed by the authorized Engineer-in-charge or the Consultant on behalf of the Employer before commencement or during the progress of the work.
- m) 'Letter of Acceptance' shall mean an intimation by a letter issued by the Accepting Authority of the Employer to tenderers that his tender has been accepted in accordance with the provisions in the said letter.

"Defect Liability Period" shall mean a period of 1 year from the certified date of virtual completion issued by the Consultant/Engineer-in-charge and accepted by the Employer.

- n) "Schedule of quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- o) "Priced Schedule of Quantities" shall mean the schedule of quantities duly priced with the accepted quoted rates of the contractor.
- p) "The work" shall mean the work or works to be executed or done under this contract.
- q) "Act of Insolvency" shall mean any act defined by the Presidency Towns Insolvency Act or in Provincial insolvency Act or any amending statutes.

2. **SCOPE OF WORKS TO BE CARRIED OUT:** The work consists of Interior and FURNISHING and minor civil works in accordance with the "drawings" and "schedule of quantities". It includes providing all the materials, wastage of material, labour, transport, tools & equipments and management necessary for and incidental to the completion of the work. All work during its progress and upon completion shall conform to the lines, elevations and grades as shown on the drawings furnished by the Employer. Should any detail essential for efficient completion of the work be omitted from the drawings and specifications it shall be the responsibility of the contractor to inform the employer so that upon completion of the work the same will be acceptable and ready for use.

If there are varying or conflicting provisions made in any one or more document(s) forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on contractor.

Any error in description or quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the Contract.

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Signature of the Contractor (with Seal)

Employer or their authorized representative may in their absolute discretion issue further drawings and/or written instructions, details, directions & explanations which are, hereafter collectively referred to as "The employer's instructions" in regard to:

- a) The variation or modification of the design quality or quantity of works or the addition or omission or substitution of any work.
- b) Any discrepancy in drawings or between the schedule of quantities and/or drawings and/or specifications.
- c) The removal from the site of any defective material brought thereon by the contractor and substitution of any other material thereof.
- d) The demolition, removal and re-execution of any work executed by the contractor/s.
- e) The dismissal from the work of any persons employed thereupon.
- f) The opening up for inspection of any work covered up.
- g) The rectification and making good of any defects under clauses hereinafter mentioned and those arising during the defect liability period (retention period).

The contractor shall forthwith comply with and duly execute any work comprised in such Employer's or his agent/Engineers instructions, provided always that verbal instructions, directions and explanations given to the contractor or his representative upon the works by the employer or his agent shall, if involving a variation, be confirmed in writing to the contractor/s within seven days. No works for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of the employer or his agent. Rates of items not mentioned in the priced schedule of quantities shall be fixed by the employer as provided in clause "variation".

Regarding all factory made products for which ISI marks are available, only products bearing ISI marking shall be used in the work.

Materials of approved makes as prescribed in tender shall only be used and also colours to be as advised by the employer.

3. **TENDERER SHALL VISIT THE SITE:** The Tenderer shall visit the site and make himself thoroughly acquainted with the local site conditions, nature and requirements of the works, facilities of transport condition, effective labor and materials, access and storage for materials and removal of rubbish. Tenderer shall provide in their tender for cost of carriage, freight and other charges as for any special difficulties and including the police restriction for transport etc. For proper execution of works as indicated in the drawings. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Employer or his agent/engineer might be deemed to have reasonably been inferred to be so existing before commencement of work.
4. **TENDERS:** The entire set of tender paper issued to the tenderer should be submitted fully priced and also signed on the last page together with initials on every page. Initials/signature will indicate the acceptance of the tender papers by the tenderer (Also see General Rules and instructions for the guidance of Tenderers).

The schedule of quantities shall be filled as follows

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- a) The "Rate" column to be legibly filled in ink in both English figures and English words.
- b) Amount column to be filled in for each item and the amount for each subhead as detailed in the schedule of quantities.
- c) All corrections to be initialed.
- d) The "Rate" column for alternative items shall be filled up.
- e) The "Amount" column for alternative items of which the quantities are not mentioned shall not be filled up.
- f) In case of any errors/omissions in the quoted rates, the rates given in the tender marked "Original shall be taken as correct Rates.

No modifications, writings or corrections can be made in the tender papers by the tenderer, but he may at his option offer his comment modifications in a separate sheet of paper attached to original te papers.

The employer reserve the right to reject the lowest or any tender and also to discharge any or all of the tenders for each section or to split up and distribute any item of work to any specialist firm or firms, without assigning any reason.

The tenderers should note that the tender is strictly on item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. If called upon by the Employer / Consultant, detailed analysis of any or all the rates shall be submitted. The Employer / Consultant shall not be bound to recognize the contractor's analysis.

The works will be paid for as "measured work" on the basis of actual work done and not as "lump sum" contract, unless otherwise specified.

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All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications schedule of quantities and no further extra charges will be allowed in this connection. In the case of lump-sum charges in the tender in respect of any item of works, the payment such items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Employer/Consultant.

The Employer has power to add, to omit from any work as shown in the drawings or described in the specifications or included in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorization from the Employer. No variation shall vitiate contract. Please also refer Para 9 hereinafter.

The tenderer shall note that his tender shall remain open for consideration for a period of 60 days from the date of opening of the tender.

5. **AGREEMENT:** The successful contractor, shall be required to sign the contract agreement, the proforma of which is enclosed and shall pay for all stamps and legal expenses, incidental thereto.
6. **PERMITS AND LICENSES:** Permits and licenses for release of materials or its purchases which are under Government control will be arranged by the contractor. The employer will render necessary assistance, Sign any forms or applications that may be necessary.

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It may be clearly understood that no compensation or additional charges can be claimed by the contractor for non-availability of such materials in due time on this account or according to his own requirements.

The contractor may, however, be eligible to a proportionate extension of time on this account that in the opinion of the Employer is reasonable.

7. **GOVERNMENT AND LOCAL RULES:** The contractor shall conform to the provisions of all local bye-laws and acts relating to the work and to the regulations etc. of the Government and Local Authorities. The contractor shall give all notices required by the said Act, Rules, Regulations and bye-laws etc and shall indemnify the Employer against such liabilities and shall defend all actions arising from such claims or liabilities.
8. **TAXES AND DUTIES:** The tenderers must include in their tender prices quoted for all duties royalties, cess and sales tax, value added tax or any other taxes or local charges if applicable. No extra claim on this account will in any case be entertained.

The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Employer and / or the Engineer-in-charge and further shall furnish such other information / document as the Employer may require from time to time.

9. **QUANTITY OF WORK TO BE EXECUTED:** The quantities shown in the schedule of quantities are intended to cover the entire works as per the drawings / scope of work, and therefore the contractor is bound to complete the works at the same quoted rates in the event of quantity exceeding the specified bill of quantity, but the Employer reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

10. **OTHER PERSONS OR AGENCIES ENGAGED BY THE EMPLOYER:** The Employer reserves the right to execute any part of the work included in this contract by other agency or persons and contractor shall allow reasonable facilities and use of his facilities for the execution of such work. The main contractor shall extend all co-operation in this regard.

11. **EARNEST MONEY, INITIAL SECURITY DEPOSIT, RETENTION MONEY & TOTAL SECURITY DEPOSIT :** The contractor will have to deposit the specified amount in the form of Bank Draft drawn in favour of CANARA BANK, RANCHI at the time of submission of tender as Earnest Money. No interest shall be paid on the earnest money. The earnest money of unsuccessful tenderers will be refunded without any interest soon after the decision to award the work is taken or after the expiry of the validity period of the tender.

Retention money shall be deducted from the progressive running bills @ 10% (TEN percent) of the Gross value of each running bill shall until the Total Security Deposit i.e. The initial Security Deposit plus retention money equals to;

Total retention money will 10% of final bill and will be kept for a period of 12 months i.e. up to Defect Liability Period.

The Total Security Deposit amount will be refunded to the contractor 14 days after the end of defects liability period provided he has satisfactorily carried out all the work and attended to all defects in accordance with the condition of contract. No interest is allowed on retention money. In lieu of the Total Security Deposit, Bank Guarantee from the Bank other than Canara Bank for the period of defects liability is also accepted.

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12. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY: The contractor shall provide everything necessary according to the intent and meaning of the drawings, technical specifications, and schedule of quantities taken together whether the same may or may not be particularly shown or described therein provided that the same can be reasonably inferred there from, and if the contractor finds any discrepancies therein, he shall immediately and in writing, refer the same to the employer whose decision shall be final and binding.

The rates quoted against individual items will be inclusive of everything necessary to complete the said items of work within the contemplation of contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labor and/or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in the tender documents.

The contractor shall supply, fix and maintain at his own cost, for the execution of the work, all tools, tackles, machineries and equipments and other required facilities for execution of work including the safety aspects.

The Employer on no account shall be responsible for storage of materials or loss or pilferage or theft either in respect of the material stored or material already built and paid for by the Employer.

The contractor shall at all times give access to workers employed by the Employer.

Any facilities available at site shall be utilized only with prior permission of the Employer or the in-charge of the site / building owner and cannot be taken as granted and for such services utilized the Employer is entitled to charge. No extra charges shall be paid over and above what has been quoted for any of the above or for similar such services.

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13. TIME OF COMPLETION, EXTENSION OF TIME & PROGRESS CHART ::

i) The work shall not be considered as complete until the Employer/ Consultant have certified in writing that the work has been virtually completed and defect liability period shall commence from the date such certificate.

ii). **Extension of Time ::** If in the opinion of the Employer 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 or trades men engaged or nominated by the employer and not referred to in the specification or d) by reason of authorised extra and additions or e) by reason of any combination of workmen or strikes or lockout affecting any of the building trades or f) from other causes which the employer may consider being beyond 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 thereof. In the event of employer failing to give possession of site upon the day specified above the time of completion shall be extended suitably.

In case of such strikes or lock-outs, as are referred to above, the contractor shall, immediately give the employer, written notice thereof. Nevertheless the contractor shall use his best endeavors all that to prevent delay and shall do all that may be reasonably required to the satisfaction of the employer to proceed with the works and on his doing so that it will be ground of consideration by the employer for an extension of time as above provided.

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The decision of the Employer as to the period to be allowed for an extension of time for completion hereunder (which decision shall be final and binding on the contractor) shall be promulgated on completion of the work or at the conclusion of such events based on which the extension of time was sought by the contractor, and the Employer shall then, in the event of an extension being granted, determine and declare the final completion date. The provision in clause 14 with respect to payment of liquidated damages shall in such case, be read and construed as if the extended date fixed by the employer were substituted for and the damage shall be deducted accordingly.

iii). **Progress of Work:** During the period of work, the contractor shall maintain proportionate progress on the basis of a **program chart submitted by the contractor before the commencement of work**. Contractor should also include planning for procurement of scarce materials well in advance and reflect the same in a program chart so that there is no delay on the part of the contractor in completion of the project.

- 14. TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS::** The contractor shall provide, fix up and maintain his establishment in an approved position at site and clear away on completion of the works and make good all works disturbed.

The contractor shall not fix or place any placards or advertisement of any description or permit the same to be fixed or placed in or upon any hoarding, gantry, building structure other than those approved by the Employer.

Tools : The odolite level, prismatic compass, steel tape ,threads and all other instruments found necessary on the works shall be provided by the contractor for the due performance of the contract as instructed by the employer.

All suitable scaffolding, ladders and stools that may be required for safe taking of the measurements shall be supplied by the contractor.

Storage of materials : The contractors shall provide and maintain proper enclosures for the storage and adequate protection of materials , tools at the space allocated for the purpose including their watch & ward arrangements shall be the responsibility of the contractor.

Protective Measures: The contractor shall make suitable arrangements for watching and protecting the works and materials. The contractor shall indemnify the employer against any possible damage to the building , roads and members of public in course of the execution of the work.

The contractor should cover in his rates for making provisions for all the above and reasonable facilities for the use of his scaffolding, tools and plant etc., for their work.

- 15. NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS:** The contractor shall conform to the provisions of any Acts of the Legislature relating to the work, and to the regulations and bye-laws of any authorities, and or other Companies (Indian or International) and / or Statutory Authorities, with whose system and design or technical know how are/were proposed to have connection with this work.

So also the contractor shall before making any variations from the drawings or specification that may be associated to so conform, give the Employer / Consultant written notices specifying the variations proposed to be made and the reasons for making them

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and apply for instruction thereon. The Employer / Consultant on receipt of such intimation, shall give a decision within a reasonable time.

The contractor shall arrange to give all notices required for by the said Acts, regulations or Bye-laws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the work and lodge the receipts with the Employer.

The contractor shall indemnify the Employer against all claims in respect of patent rights, royalties, damages to buildings, roads or members of public in course of execution of work and shall defend all actions arising from such claims and shall keep the Employer saved and harmless and indemnified in all respects from such actions, cost and expenses.

16. **CLEARING SITE AND SETTING OUT WORKS** : The site shall be cleared of all obstructions, waste materials, rubbish of all kinds. All material damages at the site like on the walls, ceiling or flooring or on any other connected place/ equipments, materials or installations shall be re-done to maintain originality and shall be leveled at contractors own cost.

The contractors shall set out the works and shall be responsible for the true and perfect setting out the works and for the correctness of the positions, levels, dimensions and alignment of all parts thereof. If at any time, any error shall appear during the progress of any part of the work, the contractor shall at his own expenses rectify such error, if called upon to the satisfaction of the Employer.

The contractor shall further set out the works to the alternative positions at the site until one is finally approved and the rates quoted in his tender should include for this and no extra on this account will be entertained.

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17. **CONTRACTOR IMMEDIATELY TO REMOVE ALL OFFENSIVE MATTERS**: All waste materials and other matters of any offensive nature shall be taken out once the works are completed. The contractor shall keep the site free from dangerous materials like industrial gases, welding machines and any such devices or material of toxic and poisonous nature & shall not carry within the site or building any material which are explosive in nature. Any such offensive materials which are essentially required in course of work shall be undertaken with due written permission of the Employer provided such materials are permissible under Law.

18. **ACCESS** : Any authorized representatives of the Employer shall at all reasonable times have free access to the works and / or to the workshops factories or other places where materials , or equipments are being fabricated or constructed for the work and also to any place where materials are lying or from where they are being obtained, and the contractor shall extend necessary facility to the Employer or their representatives for inspection examination and testing of the materials and workmanship.

Except the representatives of the Employer no person shall be allowed at any time without the written permission of the Employer.

The work shall be offered for inspection at every stage of the work and more specifically before painting, polishing and lamination.

19. **MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS** : All the works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as

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represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Employer during the execution of the work, and to his entire satisfaction.

If required by the Employer the contractor shall have to carry out tests on materials and workmanship in approved material testing laboratories or as prescribed by the Employer at his own cost to prove that the materials etc. under test conform to relevant I.S. standards or as specified in the specifications. The necessary charges for sample material, transporting, testing etc. shall have to be borne by the contractor. No extra payment on this account should in any case be entertained.

All materials required for the full performance of the work under the contract must be provided through proper channels and must include duties, taxes, octries and other charges if any and must be best of their kind available and the contractor must be entirely be responsible for proper and efficient carrying out of the works. Samples of all the materials to be used must be submitted to the Employer / Consultant when so directed by the Employer.

Should the work be suspended by any reason, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damages arising from any of these causes.

20. **REMOVAL OF IMPROPER WORK** : The Employer shall during the progress of the work have power to order in writing from time to time the removal, from the work site within such reasonable time or times as may be specified in the order, of any materials which in the opinion of the Employer are not in accordance with specification or instructions, the substitution or proper re-execution of any work executed with materials or workmanship not in accordance with drawings and specifications or instructions.

In case the contractor refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent thereon or incidental thereto as certified by the Employer shall be borne by the contractor or may be deducted from any money due to or that may become due to the contractor.

No certificate which may be given by the Architects/Consultants/Bank shall relieve the contractor from his liability in respect of unsound work or bad materials.

21. **SAFETY PRECAUTIONS**: The contractor shall follow all necessary safety precautions with respect to the work. All necessary safety equipments / gadgets shall be used by the workmen. The contractor shall comply and ensure the enforcement of rules and regulations relating to the safety precautions. The arrangements be made by the contractor shall be open for inspection by any statutory authorities.

22. **CONTRACTOR'S EMPLOYEES** :: The contractor shall employ technically qualified and competent supervisors for the work who shall be available (By turn) throughout the work and shall participate during site meetings and be available to take and comply with instructions of the Employer. The contractor shall employ in connection with the work persons having the appropriate skill or ability to perform their job efficiently. Any laborers supplied by the contractor to be engaged on the work on day work basis either wholly or partly under the direct order or control of the Employer or his representative shall be deemed to be a person employed by the contractor.

CHILD LABOUR: No Laborer below the age of eighteen years and who is not an Indian national shall be employed on the work.

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LABOUR LEGISLATION: The contractor shall comply with the provisions of the payment of all legislation including the requirement of The payment of Wages Act, 1936, Minimum Wages Act, 1948, Employer's Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Benefits Act, 1961, and the Contract Labor (Regulation and Abolition) Act 1970, Apprentices act 1961, or the modifications thereof or any other laws relating thereto and the rules made there under from time to time.

The contractor shall keep the Employer saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the employer in connection with any claim that may be made by any workmen.

The contractor shall arrange to provide first-aid treatment to the labourers engaged on the works. He shall within 24 hours of the occurrence of any accident at or about the site or in connection with execution of the works, report such accident to the Employer and also to the Competent Authority where such report is required by law.

The contractor shall indemnify and keep indemnified the Employer against payments to be made under and for the observance of the laws aforesaid and the Contractors' Labor Regulations. The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.

Compliance of Labour Regulations: The Contractor shall at his own expense arrange for all the safety provisions for the safety of all workers and employees directly or indirectly employed on the work by the contractor.

The contractor shall be fully responsible for compliance at his own expense all the labor regulations and rules to be observed by him. The Contractor shall fully indemnify the Employer against any action by the state and/or Central Government for any default or alleged default by the Contractor, subcontractor or Employer of any of such rules and regulations. If, due to any default of the contractor or his sub-contractors, the Employer has to incur any expenditure for compliance of the rules and regulations or for any other reason connected with such default, the Employer shall be entitled to recover from the contractor all such expenditure in full from any payment due to the contractor.

23. **DISMISSAL OF WORKMEN :** The contractor shall on request of the Employer immediately dismiss from works any person employed thereon by him, who may in the opinion of the Employer be unsuitable or incompetent or who may misconduct himself. Such discharge shall not be the basis of any claim for compensation or damages against the Employer or any of their officer or employee.
24. **ASSIGNMENT ::** The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, change in constitution and no subletting shall relieve the contractor from the full and entire responsibility of the contract or from active superintendence of the work during their progress.
25. **INJURY TO PERSONS AND DAMAGE TO PROPERTY - INSURANCE ::**
The Contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or his employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract.

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The clause shall be held to include interalia, any damages to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, footpaths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather.

The contractor shall indemnify the employer and hold harmless in respect of all and any expenses arising from such injury or damages to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of compensation or damage consequent upon such claim.

The contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property or third parties.

The contractor shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the name of the contractor and the employer and the policy lodged with the latter. The scope of insurance is to include loss or damage to the work and workmen due to carelessness, accident including fire, earthquake, floods, etc., damage or loss to the contract itself till this is made over a complete state. Insurance is compulsory and must be effected from the very initial stage. The contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract.

The employer shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or occurring from or in respect of any such claim or damages from any sums due or to become due to the contractor.

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Unless otherwise instructed the contractor shall insure the works and keep them insured until the virtual completion of the contract against loss or damage by fire and/or earthquake, flood. The insurance must be placed with a company approved by the Employer, in the joint names of the Employer and the contractor for such amount and for any further sum if called to do so by the employer, the premium of such further sum being allowed to the contractor as an authorized extra.

The contractor shall insure the works and keep them insured until the virtual completion of the contract against loss or damages by fire and/or earthquake, flood. The insurance must be placed with a company approved by the Employer, in the joint names of the employer and the contractor for such amount and for any further sum if called to do so by the employer and lodge receipts of premiums paid with the employer within 21 days from the date of issue of letter of acceptance unless otherwise instructed.

The contractor shall deposit the policy and receipt for premium paid with the Employer within 21 (twenty one) days from the date of issue of work order unless otherwise instructed. In default of the contractor insuring as provided above, the Employer on his behalf may so insure and may deduct the premiums paid from any money due, or which may become due to the contractor. The contractor shall as soon as the claim under the policy is settled or the work reinstated by the Insurance Company should they elect to do so, proceed with due diligence with the completion of the works in the same manner as though the fire has not occurred and in all respects under the conditions of the contract. The contractor in case of rebinding or reinstatement after fire shall be entitled to extension of time for completion as the Employer may deem fit.

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26. **ACCOUNTS RECEIPTS & VOUCHERS** : The contractor shall, upon the request of the Employer furnish them with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. If the contractor shall use materials less than what is required under the contract, the value of the difference in the quantity of the materials that was required to use and that actually used shall be deducted from his dues. The decision of the Employer shall be final and binding on the contractor as to the amount of materials the contractor is required to use for any work under this contract.
27. **MEASUREMENT**:: Measurements of completed works shall be as per Bureau of Indian Standards code IS-1200 & its relevant parts.

Before taking any measurement of any work, the Employer shall give reasonable notice to the Contractor. If the contractor fails to attend at the measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the Employer then in any such event the measurements taken by the Employer or by the subordinate deputed by him as the case may be is final and binding on the contractor and the contractor shall have no right to dispute the same.

The measurements particularly concealable in nature shall be jointly taken and recorded and such statement of measurement shall be enclosed along the bill or running bills.

The works will be paid for as "measured work" on item rate basis ie. On actual work done. All items of work described in the schedule of quantities are to be deemed and paid as complete works in all respects and details including preparatory and finishing works involved, directly, related to and reasonably detectable from the drawings, specifications and schedule of quantities and no further extra charges will be allowed in this connection. The work shall be strictly according to the design / dimensions given in the drawings. The payment will be restricted to the design dimensions and no payment will be made due to increase in thickness/ depth/width. All the dismantling items shall be PREMEASURED and APPROVAL of the employer shall be sought before dismantling.

28. **PAYMENTS**: All bills shall be prepared by the contractor in the form agreed or furnished by the Employer based on the accepted measurements.

No Advance payment will be permitted.

The Employer will deduct retention money as described in clause 11 of these conditions. The refund of retention money will be made as specified in the said clause.

All payments are subject to statutory deductions of Income Tax & its Surcharge, Sales tax deductions or any other statutory deductions as notified by respective State/Central Government/Authority and any such instructions conveyed from time to time. From the interim bills, the retention money as detailed elsewhere in this tender shall also be deducted.

The final bill shall be submitted by the contractor within 1 (one) month from the date of completion of work or from the date of certification of virtual completion certified by the employer . No further claims shall be made by the contractor after submission of the final bill .

The final bill shall be accompanied by a certificate of completion from the Employer. Payments of final bill shall be made after deduction of all previous payments and Retention Money as specified in clause 11 of these conditions, which sum shall be refunded after the

completion of the Defects Liability Period after receiving the Employer certificate that the contractor has rectified all defects to the satisfaction of the Employer. The acceptance of payment of the final bill by the contractor would indicate that he will have no further claim in respect of the work executed.

29. **VARIATION / DEVIATION** : The Employer shall have power to make alteration in, omissions from, additions to or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the employer. Such alterations, omissions, additions or substitution shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

(a) No work which radically changes the original nature of the contract shall be ordered by the employer as a deviation.

(b) The price of all such additional items / non tendered items will be worked out on the basis of rates quoted for similar items in the contract wherever existing or on engineering rate analysis based on prevalent fair price of labour, material and other components as required.

The tendered rates, shall hold good for any increase or decrease in the tendered quantities up to variation of 25% and as stipulated elsewhere for legitimate completion of works as per original design or scope of work and on account of any modification or alteration suggested and where the variation is for the respective item is beyond 25%, the rate for the respective item may be reviewed on mutually agreed terms.

In the event of any deviation being ordered which in the opinion of the contractor changes the original nature of the Contract, he shall within Ten days of having been so ordered bring this to the notice of the Employer with the reasons but nevertheless carry it out and the disagreement as to the nature of work and the rate to be paid therefore shall be resolved in accordance with Clause under caption "SETTLEMENT OF DISPUTES AND ARBITRATION".

30. **SUBSTITUTION** :: Should the contractor desire to substitute any materials and workmanship, he must obtain the approval of the Employer in writing for any such substitution well in advance. In respect of Materials whose makes are not specified in the tender, specific approval of the Employer has to be obtained in writing before their usage.

31. **PREPARATORY WORK FOR UTILIZATION OF THE FACILITY AFTER COMPLETION**: The whole of the work shall be thoroughly inspected by the contractor and deficiencies & defects, if any shall be set right. On completion of such inspection, the contractor shall inform the Employer that they have completed the work and it is ready for inspection.

On completion the contractor shall clean all the area and its surroundings, equipments etc. and will leave the entire area clean and ready for immediate usage to the satisfaction of the Employer.

32. **CLEARING SITE ON COMPLETION** :: On completion of the works the contractor shall clear away and remove from the site all construction materials, plant & equipments, tools, surplus materials, scraps, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Employer.

33. **CONCEALED WORKS** :: The contractor shall give due notice to the Employer wherever any work is to be buried or concealed in the building in the earth, flooring, walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions or measurements taken before such burial. In default whereof the same shall, in the opinion of the Employer / Consultant be either opened up for measurement at the contractors expenses or no payment may be made for such materials. Should any dispute or difference arise after the execution of any work as to measurements etc. or other matter which cannot be conveniently tested or checked, the notes of the employer shall be accepted as correct and binding on the contractor.
34. **ESCALATION** :: The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any granted) and will not be subject to any fluctuation due to increase in cost of materials, labor, sales tax, Octroi or any other reason.
35. **IDLE LABOUR**:: Whatever the reasons may be, no claim for idle labor, additional establishment cost of hire and labor charges of tools and plants would be entertained under any circumstances.
36. **SUSPENSION OF WORKS** :: If the contractor except on account of any legal restraint upon the Employer preventing the continuance of the work or in the opinion of the Employer shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Employer shall have the power to give notice in writing to the contractor requiring the work to be proceeded within a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause.

After such notice shall have been given the contractor shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the contractor fails to start the work within seven days after such notice has been given to proceed with the works as therein prescribed, the Employer may proceed as provided in **clause 39** (Termination of Contract by Employer).

37. **TERMINATION OF CONTRACT BY EMPLOYER** :: If the contractor being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the contractor in insolvency, shall repudiate the contract, or if a Receiver of the contractor's firm appointed by the court shall be unable, within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the employer that he is able to carry out and fulfill the contract, and if so required by the employer to give reasonable security therefore, or if the contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the contractor, or shall assign, charge or encumber this contract or any payments due or which may become due to the contractor, there under, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the contractor within three clear days after the notice shall have been given to the contractor in manner hereinafter mentioned requiring the contractor to observe or perform the same or shall use improper materials or workmanship in carrying on the works, or shall in the opinion of the employer not exercise such due diligence and make such due progress as would enable the work to be completed within due time agreed upon, and shall fail to proceed to the satisfaction of the employer after three clear days notice requiring the contractor so to do shall have been given to the contractor as hereinafter

mentioned, or shall abandon the contract, then and in any of the said cases, the Bank may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the employer of the obligations and liabilities of the contractor the whole of which shall continue in force as fully as if the contract, had not been so determined and as if the works subsequently executed had been executed by or on behalf of the contractor (without thereby creating any trust in favour of the contractor) further the employer or his agent, or servants, may enter upon and take possession of the work and all plants, tools, scaffolding, sheds, machinery, steam and other power, utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other contractors or other persons or person to complete the works, and the contractor shall not in any way interrupt or do any act, matter of thing to prevent or hinder such other contractors or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be, the employer shall give notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within a period of 14 days after receipt by him the employer may sell the same by Public Auction and shall give credit to the contractor for the amount so realized. Any expenses or losses incurred by the employer in getting the works carried out by other contractors shall be adjusted against the amount payable to the contractor by way of selling his tools and plants or due on account of work carried out by the contractor prior to engaging other contractors or against the Security Deposit.

38. SETTLEMENT OF DISPUTES AND ARBITRATION :: All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching or concerning the works or the execution or maintenance thereof of this contract or the rights touching or concerning the works or the execution of maintenance thereof of this contract or the construction remaining operation or effect thereof or to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination foreclosure or breach of the contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract to the other of them and to the Employer hereinafter mentioned be referred for adjudication to a sole Arbitrator to be appointed as hereinafter provided.

For the purpose of appointing the sole arbitrator referred to above, the employer will send within thirty days of receipt of the notice, to the contractor a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.

The contractor shall on receipt of the names as aforesaid, select any one of the persons name to be appointed as a sole Arbitrator and communicate his name to the employer within thirty days of receipt of the names. The employer shall thereupon without any delay appoint the said person as the sole Arbitrator. If the contractor fails to communicate such selection as provided above within the period specified, the competent authority shall make the selection and appoint the selected person as the Sole Arbitrator.

If the employer fails to send to the contractor, the panel of three names as previously mentioned within the period specified the contractor should send to the employer a panel of three names of persons who shall all be unconnected with either party. The employer shall on receipt of the named as previously mentioned select any one of the person's names and appoint him as the Sole Arbitrator. If the Employer fails to select the person and appoint him as the Sole Arbitrator within thirty days of receipt of the panel and inform

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the contractor accordingly, the contractor shall be entitled to appoint one of the persons from the panel as the Sole Arbitrator and communicate his name to the employer.

If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due to any reason whatsoever another Sole Arbitrator shall be appointed as aforesaid.

The work under the contract shall, however, continue during the arbitration proceedings and no payment due or payable to the contractor shall be withheld on account of such proceedings.

The arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the first hearing.

The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award.

The arbitrator shall give a separate award in respect of each dispute or differences referred to him. The arbitrator shall decide each dispute in accordance with the terms of the contract and give a reasoned award. The venue of arbitration shall be such place as may be fixed by the arbitrator in his sole discretion.

The fees, if any, of the arbitrator shall if required to be paid before the award is made and published be paid half and half by each of the parties. The cost of the reference and of the award including the fees, if any, of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle and amount of costs to be so paid.

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The award of the arbitrator shall be final and binding on both the parties.

Subject to aforesaid the provisions of the Indian Arbitration Act, 1992 or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

The employer and the contractor hereby also agree that arbitration under clause shall be a condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.

41. CO -ORDINATION OF WORKS: The contractor shall execute the works in co-ordination with the other agencies like air-conditioning, FURNISHING etc., involved in the works. The work site shall be neatly cleaned as and when necessary so that the works of other agencies can be carried out. Failure on part of the contractor to clean the work site will empower the employer to engage other agencies and recover the cost from the contractor.

42. FURNISHING POWER, WATER AND TOILET FACILITIES: The FURNISHING power required for the works shall be supplied at one single point in the floor free of cost and the contractor shall make his arrangements to draw the same to the required work spots. The contractor shall engage a licenced electrician to carry out and maintain his FURNISHING system. In case of power failure the contractor at his own cost, has to make his own arrangements by hiring or installing the DG set. The employer shall not entertain any charges for engaging the DG set. The work shall not be stopped on account of power failure. Further, no extension of time shall be permissible on account of the power failure.

Water shall be provided free of cost at one point.

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Common toilet facility is available at the work site and the contractor shall maintain the same hygienically clean.

43. PURCHASE VALUE OF OLD ITEMS, IF ANY: **The tenderer has to quote the purchase value for the buyback offer, after inspecting the items at the branch.**

44. TENDERED VALUE: The lowest tendered value shall be the total of all the items including the buyback items.

45. The work should be carried out with full co-ordination / co-operation of occupants without damaging any permanent structures or furniture belonging to them. If any damage occurs, the cost of same will have to be reimbursed by the Contractor

46. THE WORK SHALL BE CARRIED OUT WITHOUT AFFECTING THE BRANCH FUNCTIONING.

47. A penalty of Rs. 50,000/- will be levied to the contractor for backing out from the tender process after becoming L1. In case the penalty is not paid, the contractor will be de-pannelled from Canara Bank.

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DECLARATION

I confirm that I have read all the terms and conditions as mentioned in the tender document and I accept all the terms and conditions as mentioned in the tender document.

Place:

Date:

Seal & Signature

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Internal

Internal

Furnishing BOQ

HAZARIBAGH MAIN FURNISHING BOQ					
Sl No.	Description Of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	FULL HEIGHT SEMI GLAZED PARTITION				
	<p>Providing and Fixing in position full height Partly Glazed partition 63-65mm thk. as indicated in the drawing made out of aluminium hollow sections of 50mmx25mm size (tolerance +- 1mm) 1.5 mm thk.(tolerance +-10%)of JINDAL / INDAL/HINDALCO/EQUIVALENT make as internal framed structure placed horizontally & vertically in 600mm x 600 mm center to center or as directed by the Architect. The vertical members of the partition shall be taken upto the ceiling level and the same shall be anchored to the ceiling securely with help of suitable cleats/extra member as per required /instructed. Framework shall be fixed with 6 mm thick ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 0.8 mm thick laminate of approved shade and make on both the sides. The glazing will be of 6 mm. thk clear glass fixed within 900 - 2100 mm. level. There will be designed glass film over the glazing area with required design, complete as directed by the Architect. DOOR-Providing and fixing Solid Core wooden Flush Door Shutter (IS - 2202) of 35 mm thk. finished both side with 0.8 mm thk. approved colour laminate to be fixed to Wooden frame made of 19mm ply. The rate shall be inclusive of fitting and fixing of hinges, Godrej make door closer,door stopper,screws, Godrej Night Latch" / "Godrej Mortice Lock" ,tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect. Door (wherever glazing 6mm req.) with glazing width size 600mm and lvl. should match with partition glazing lvl.600 x 1800 mm.(AS PER INSTRUCTION) Door Size=3'-6"/3'-0"/2'-6"x7'-0" as per dwg. (14' + 12' + 12') x 8'6"</p>	323	sq. ft.		
2	FULL HEIGHT SOLID PARTITION				

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	<p>Providing and Fixing in position full height solid partition 64mm thk. as indicated in the drawing made out of aluminium hollow sections of 50mmx25mm size (tolerance +-1mm) 1.5 mm thk.(tolerance +-10%) of JINDAL / INDAL/HINDALCO/EQUIVALENT make as internal framed structure placed horizontally & vertically in 600mm x 600 mm center to center or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats/extra memberas per required /instructed. Framework shall be fixed with 6 mm thick ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 0.8 mm thick laminate of approved shade and make on both the sides. DOOR- Providing and fixing Solid Core wooden Flush Door Shutter (IS - 2202) of 35 mm thk. finished both side with 0.8 mm thk. approved colour laminate to be fixed to Wooden frame made of 19mm ply. The rate shall be inclusive of fitting and fixing of hinges, Godrej make door closer, door stopper, screws, Godrej Night Latch" / "Godrej Mortice Lock", tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.Door Size=3'-6"/3'-0"/2'-6"x7'-0" as per dwg. (20' + 2'6" + 2'6" + 2'6") x 10'4"</p>	<p>Internal</p> <p>sq. ft.</p> <p>290</p>		
<p>3</p>	<p>LOW HEIGHT PARTITION</p>			

Internal

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	<p>Providing & Fixing double skin low ht. partition (with wicket/flap door (1200 mm. high) WHEREVER REQUIRED)with electrical wire management system, 900 mm. solid, then 300 mm. partly glazed (as per drawing), made out of aluminium hollow sections of 50mmx25mm size (tolerance +- 1mm) 1.5 mm thk.(tolerance +-10%) of JINDAL / INDAL/HINDALCO/EQUIVALENT make as internal framed structure spaced not more than 600 mm. c/c bothways, double skin partition fixed to aluminium frame made of 6 mm. thk. approved ply (IS:710), finished both side with approved laminate with 0.8 mm. groove design, 4" high laminated skirting etc., the vertical support of 50 x 25 mm. frame to be extended upto 1200 mm. 300 mm. high x 12 mm. thk. glass to be fixed to partition with 30 x 12 mm. teak wooden bead . all exposed teak wood surface to be completed with natural colour high polishing etc. all complete as per design, direction and approval of the Architect. (4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 4' + 3'6") x 4'</p>	180	sq. ft.		
4	CASH CABIN				
	<p>Providing & fixing in position 19mm thk. BWP plyboard (IS 710), Cash Work Station of size W-1500 x D- 800 x H-750 mm/ W-1650 x D- 800 x H-750 mm as per site inclusive of a 1050 mm height front partition, 400 mm wide customer writing top, table top, finished with 0.8 thk. laminate. Inside of table top finished with painting / polishing. The design in the front apron as per bank's design guidelines. The workstations shall be supported from the partition system at both side. The workstation to be comprised with a Drawer unit of approx. overall size of 400 x 600 x 725 mm. (h) made with 12 mm. thk. plywood (IS : 710) with telescopic drawer slides. The drawer unit shall comprise of 3 drawers with inner faces with 0.70mm laminate with approved shade. The drawer unit shall be finished with 0.8 mm. laminate. The quoted price should include cost of teak wood moulding to edges, wood lipping, multi locks of Godrej make & other necessary hardware accessories including SS handles, pvc wire manager, keyboard tray, mobile CPU trolley etc. of approved quality all complete as per design & direction.</p>	10	rft		

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A	Providing and fixing 12 mm thk x 1050 mm. high clear-thoughned glass finished with machine polished of all free edges above working top providing a semicircular hole of 150 mm. dia. for operation, the glass to be fixed to side partition using 35 x 10 mm. continuous polished wooden bead at both side of the glass, all complete as per design and drawing by our Architects. (5'6" x 3')	30	sq. ft.		
B	Providing & fixing 2100 mm.ht. Cash Work Station Partition (side of cash cabin) solid upto 1050 mm. (with electrical wire management system), above solid part there will be 8mm. thk. glass upto 2100 mm. lev. as per design. Glass to be fixed with 35 x 20 mm. teak wood beading and duly polished matching with laminate color above solid part. Partition to be made of 50mmx25mm size (tolerance +- 1mm) 1.5 mm thk.(tolerance +-10%) aluminium section framing spaced not more than 600 mm. c/c bothways, double skin partition 6 mm. thk. approved ply as per IS:710, finished both side with approved laminate with groove design complete with polishing, 4" high laminated skirting etc. The rate shall be inclusive of door (2'-6"x6'-0")with fitting and fixing of hingesno. Godrej door closer, door stopper, screws,Godrej cylindrical lock, ,tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish.all complete as per design, direction and approval of the Architect. (5' + 5' + 7' + 7') x 7'	170	sq. ft.		
C	Providing and fixing in position readymade anodized aluminum grill of 3"X3" size approved design and quality over cash work station fixed with wood frame work of approved shape, all complete as directed. (5' x 7' x 2)	70	sq. ft.		

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5	Providing and fixing Storage Unit made out of 19 mm plywood (IS : 710) for top, sides & 6 mm. for back , outside surfaces finished with 0.8mm laminate & inside surfaces finished with 0.70 mm laminate. The sliding or openable shutters to be made out of 19 mm plywood finished outside with 0.8mm laminate as per site requirement . The cabinet will have shelves of clear ht. approx. 13". The shelves to be made of 19 mm. thk. plywood. The necessary godrej multipurpose locks, 4" SS matt finished handles, hinges are to be provided. 4" laminated skirting to be provided. All the exposed edges of the boards/ plywoods to be covered with white beach/ white ceader wooden lippings all complete. The work to be completed as per approval and specification of the architect.				
A	Full Height Storage (upto10'-0" high & 1'-4" deep) (23' + 17' + 17' + 11' + 9' + 13') x 10'4"	940	sq. ft.		
B	Full Height Storage (upto7'-0" high & 1'-4" deep) (16' + 8' + 15') x 7'	275	sq. ft.		
C	Low Height Storage (upto 4ft/ 3ft/2.5ft High & 1'-4" deep)(INCLUDING THE SIDE STORGE WHICH IS WITH TABLES) (14' + 14' + 4'6" + 4'6") x 2'6"	95	sq. ft.		
D	Low Height Storage (upto 3ft/2.5ft High & 21" deep)(IN BM CABIN) (6' x 2'6")	15	sq. ft.		
6	GYPSUM FLASE CEILING				
	Providing and fixing Gypsum false ceiling which includes G.I perimeter channels of size 0.55mm thk. (having one flange of 20mm and	645	sq. ft.		

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	<p>another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/partition with the help of nylon sleeves and screws, at 610mm centres. Then suspending G.I intermediate channels of size 45mm (0.9mm thk. with two flanges of 15mm each) from the soffit at 1220mm centres with flanges of 26mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediated channel at 457mm centres. 12.5mm tapered edge Gypboard (confirming to IS: 2095 - 1982) is then screw fixed to ceiling section with 25mm drywall screws at 230mm centers. Screw fixing is to be done mechanically either with screw driver or drilling machine with suitable attachment. The boards are to be jointed and and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound. No extra payment will be made for the cutting of light points , stain glass, cove lighting etc. The measurement will be taken in one level, rate should include the drops also, no extra amount will be paid for the drops. The joints to be properly mended with paper tapes and gypsum compound. The surface to be finished with two coats of distemper paint of approved shade with two coats of good quality drywall primer all complete. The rate should include the full completion of the ceiling. At the time of handing over the site all necessary repairing work to be considered if required. The work to be completed as per specification, drawing and approval of the Architect. The level of the Gypsum false-ceiling should be maintained at 7'6" height. (38' + 24' + 6' + 24' + 44' + 24' + 6' + 24' + 14' + 8' + 8' + 14' + 12' + 12') x 2'6"</p>				
7	2X2 FALSE CEILING				

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	Providing , fabricating and erecting lay in type tegular or drop type Modular False Ceiling (ARMSTRONG make) of 600 x 600 mm. grid. The boards are of size 595 mm. x 595 mm. x 10-12 mm. thk.The rate shall include the additional cost of Tee and L supports and other accessories near the ends/ odd size edges/corners. Provide additional length support from the ceiling to the false ceiling grid wherever necessary, making necessary openings for electrical light fittings, alarm detectors and any other fixtures. No extra payment for making openings in the panel/grids for the purpose of light fittings. Item rate shall include all the taxes, transportation, erection, loading and unloading and any other incidental expenditure for completing the work. 1900 - 520	1380	sq. ft.		
8	NOTICE BOARD				
	Providing and fixing soft board/ notice board of size 4ft x 3ft fabricated out of 12mm ply(IS : 710) covered with 12mm soft board padding and upholsply propylene fabric @80/ mtr. Edges of the soft board should have white beach/white ceader moulding with natural polished. NB : where pin up board is in a panelled area, the top of the pin up board should be flushed with the panel, kepping the same level. The work should be completed as per design specification & approval of the architect.	1	UNIT		
9	TABLES				
	Providing & erecting in position free standing table made of 19 mm plywood (IS : 710) for sides, top & panel, finished with 0.8mm laminate & inside surfaces finished with 0.70 mm laminate. as per matching tone. Drawer cum cabinet unit of approx. overall size of 400 x 600 x 725 mm. (h) of 19 mm. thk. plywood. The unit shall comprise of 1 drawer, 1 cabinet with approved shade with telescopic drawer slides. the drawer & cabinet unit shall be finished with 0.8mm laminate & inside surfaces finished with 0.70 mm laminate. The quoted price should include cost of teak wood moulding/laminate to edges, wood lipping, multi locks of Godrej/ebco make & other necessary hardware accessories including SS handles, pvc wire manager, keyboard tray, CPU trolley, foot rest etc. of approved quality. All the ply edges should be lipped & finished with laminate. The rate also include the cost				

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	of hardwares like hinges, tower bolts, handles, magnets, wire manager etc. Also provide 10mm clear glass of appropriate size with wire holes & polished edge as per instruction.				
A	size : 1800 mm. x 900 mm. x 750 mm.(h) including 10 mm. thk. Clear Float Glass at Top	1	no.		
B	size : 1500 mm. x 750 mm. x 750 mm.(h) including 10 mm. thk. Clear Float Glass at Top	0	no.		
C	size : 1350 mm. x 750 mm. x 750 mm.(h) excluding 10 mm. thk. Clear Float Glass at Top	0	no.		
D	size : 1275 mm. x 750 mm. x 750 mm.(h) excluding 10 mm. thk. Clear Float Glass at Top	0	no.		
E	size : 1200 mm. x 750 mm. x 750 mm.(h) excluding 10 mm. thk. Clear Float Glass at Top	11	no.		
10	GLASS FOR COUNTERS				
	Providing & Fixing fully glazed 12 mm. thk., 450 mm. high, toughened clear float Glass , with polished edge as directed fitted in front of table top vertically with polished teak wooden post and beading, complete as per design & direction. (4' x 9) x 1'6"	48	sq. ft.		
11	MAIN ENTRANCE DOOR & FIXED PARTITION				

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A	Providing and fixing 210 cm high 12mm thick toughened glass (SAINT GOBAIN or MODIGUARD) Entrance Door using patch fittings. Rubber beading to be given to the doors. Doors to be provided with 25mm dia x 425mm SS handles(H type) , heavy duty floor spring with double swing control (Dorma 75V or equivalent) supporting 80 kg. Door opening size:-90 cm x 210 cm x 2 Nos./as per dwg. Vinyl Film strips of frosted glass finish to be pasted on the glass as per design along with Logo of Canara Bank. and Providing and fixing 12mm thick toughened glass (SAINT GOBAIN or MODIGUARD) near Entrance using patch fittings. Vinyl Film strips of frosted glass finish to be pasted on the glass as per design along with Logo of Canara Bank. (3'6" x 7')	24.5	sq. ft.		
12	COLUMN PANELING/WALL PANELLING WITH LAMINATE FINISH -				
	Providing & Fixing laminate finish paneling for walls, etc. made out of frames of 50mmx25mm size (tolerance +- 1mm) 1.5 mm thk.(tolerance +-10%) Aluminium section framework at 600 mm c/c (vertical/horizontal) both ways, covered with 6mm thick ply(IS : 710). All exposed surfaces of the paneling shall be finish with approved color 0.8mm thk laminate (with grooves as per req.)complete as per detail drawing & instructions of Architect.(up to false ceiling lvl) (36' + 24' + 4'10" + 28' + 24' + 6' + 24' + 4' + 4' + 4' + 4' + 5' + 5' + 5') x 8'6"	1520	sq. ft.		
13	ELECTRICAL PANEL COVER WITH VENTILATION HOLES				
	Panel box covering : Shall be made up of 19mm thk boarer free ISI marked -Fire retardant (min. 2 hrs.) on all the sides. shutter shall have holes 1/2" dia (25nos.) for ventilation and have glass piece (9"x9") for meter reading and shall be finished with 0.8mm laminate of approved shade on all exposed sides and inside finished with paint. The rate is inclusive of all locks of Godrej or equivalent make, SS tower bolts, SS handles, heavy duty SS hinges etc. all hardware complete. Prior confirmation shall be obtained from the officer in charge for all the hardware, locks and fixture etc, complete. (Note :- Box should not touch the ground)(Size=5'-0"x3'-0") or as per required	0	sq. ft.		
14	ACP - Rolling Shutter Box with Trap Door				

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	Providing & fixing Rolling Shutters Encasement with 3mm thick (0.5mm + 2 mm + 0.5mm) ACP in approved colours all complete with approved aluminium sub structure, aluminium brackets, silicon sealants, gaskets, PVDF coating in approved colour etc. all complete with trap door for maintenance with all fittings including bird/vermin proof closer at the bottom and flashing at top, complete as per instructions & drawings. (4'6" x 3'6") + (3' x 1'6" 'x 2)	25	sq. ft.		
15	VERTICAL BLINDS				
	Providing and fixing VERTICAL blinds of approved shade of YELLOW, BLUE AND WHITE operatable for opening to one side. The work to be completed as per specification and approval of the Architect. Providing and fixing LUXAFLEX/VISTA LEVELOR brand. (6' x 4'6" x 5)	135	SQFT		
16	BANK LOGO BRANDING				
	Providing and fixing poster frame fabricated using sheets of 36" x 24 " clear acrylic sheet of 5mm thick and beveled edge well polished to be fixed with 0.75" stainless steel studs in all front side of the Tables, Counters and Cash Counters.	14	EACH		
17	CHEQUE DROP BOX & SUGGESTION BOX				
	Providing and fixing writing desk with cheque drop box & suggestion box of size (7'-0"x1'-3"x3'-6") made with 12 mm th glass writing top and glass partition for leaflet. The suggestion box and cheque drop box shall be made with 19mm thick bwp ply (IS : 710) finished with 0.8mm th laminate including locks & all hardware as per drawings and instructions of the Architect/Bank.	1	NO		
18	Painting of rolling shutter and making canara bank Logo with enamel paint with Canara Bank Blue colour (4' x 8')	32	sft		
19	Dismantling of existing partition, tables, cash cabin false ceiling of banking hall and ATM as instructed by bank/architect for auctioning by the bank.	1	lumpsum		
	TOTAL (A) -				
	GST (EXTRA)				
	ATM WORKS -				
1	MAIN ENTRANCE DOOR AND SIDE FULLY GLAZED PARTITION				

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A	<p>ENTRANCE DOOR : Providing and fixing Fully glazed door for ATM entrance of 12 mm thk toughened glass of approved make with patch fittings and Entrance door glass with necessary etching designs as per the approved design with Bank logo & border design. All edges of the glass to be machine polished. Door to be provided with 16" SS handle of approved make with rubber beading ,Glass to glass lock round type (w/o cut out) and fixed with branded floor spring and floor to door lock of approved make. ATM Door size : 3'6"x7'0" - 1 no.</p> <p>FRONT BOTH SIDE FIXED PARTITION : Providing and fixing Fully glazed partition ATM Entry in front (exterior side) , 12 mm thk toughened glass of approved make with patch fittings and Entrance glass with necessary etching designs as per the approved design with Bank logo & border design. All edges of the glass to be machine polished (Frame work to be supported from the rcc ceiling, but the final measurement for billing would be taken below the false ceiling level only) (8' x 7')</p>	0	sq. ft.		
2	ATM WALL PANELLING WORKS				
	<p>Providing & Fixing laminate finish paneling for walls, etc. made out of frames of 50mmx25mm size (tolerance +- 1mm) 1.5 mm thk.(tolerance +-10%) Aluminium section framework at 600 mm c/c (vertical/horizontal) both ways, covered with 6mm thick ply(IS : 710). All exposed surfaces of the paneling shall be finish with approved color 0.8 mm thk laminate (with grooves as per req.)complete as per detail drawing & instructions of Architect.(up to false ceiling lvl) (8'6" + 8'6") x 8'6"</p>	0	sq. ft.		
3	2X2 FLASE CEILING				

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	Providing , fabricating and erecting lay in type tegular or drop type Modular False Ceiling (ARMSTRONG make) of 600 x 600 mm. grid. The boards are of size 595 mm. x 595 mm. x 10-12 mm. thk.The rate shall include the additional cost of Tee and L supports and other accessories near the ends/ odd size edges/corners. Provide additional length support from the ceiling to the false ceiling grid wherever necessary, making necessary openings for electrical light fittings, alarm detectors and any other fixtures. No extra payment for making openings in the panel/grids for the purpose of light fittings. Item rate shall include all the taxes, transportation, erection, loading and unloading and any other incidental expenditure for completing the work. (8' x 8')	0	sq. ft.		
4	ACP - Rolling Shutter Box with Trap Door				
	Providing & fixing Rolling Shutters Encasement with 3mm thick (0.5mm + 2 mm + 0.5mm) ACP in approved colours all complete with approved aluminium sub structure, aluminium brackets, silicon sealants, gaskets, PVDF coating in approved colour etc. all complete including bird/vermin proof closer at the bottom and flashing at top, complete as per instructions & drawings. (4'6" x 8') + (3' x 1'6" x 2)	0	sq. ft.		
5	FULL HEIGHT SOLID PARTITION				

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	<p>Providing and Fixing in position full height solid partition 64mm thk. as indicated in the drawing made out of aluminium hollow sections of 50mmx25mm size (tolerance +-1mm) 1.5 mm thk.(tolerance +-10%) of JINDAL / INDAL/HINDALCO/EQUIVALENT make as internal framed structure placed horizontally & vertically in 550 mm x 550 mm / 600mm x 600 mm center to center or as directed by the Architect. The alternate corner vertical members of the partition shall be taken upto the ceiling level (payment shall be made for the partition measured below the false ceiling level) and the same shall be anchored to the ceiling securely with help of suitable cleats/extra memberas per required /instructed. Framework shall be fixed with 6 mm thick ply (IS - 710) of approved make on both sides finished as per following specifications. The Partition shall be finished with 0.8 mm thick laminate of approved shade and make on both the sides. DOOR- Providing and fixing Solid Core wooden Flush Door Shutter (IS - 2202) of 35 mm thk. finished both side with 1 mm thk. approved colour laminate to be fixed to Wooden frame made of 19mm ply. The rate shall be inclusive of fitting and fixing of hinges, Godrej make door closer, door stopper, screws, Godrej Night Latch" / "Godrej Mortice Lock", tower bolt of approved make. All edges of the door to be covered with necessary lipping with polish finish. The work should be completed as per specification, design and approval of Architect.Door Size=3'-6"/3'-0"/2'-6"x7'-0" as per dwg. 8' x 10'</p>	0	sq. ft.		
6	Lockable cover made of plywood for concealing UPS electrical points and LAN port in ATM room with hole of diameter 1 inch at the bottom	0	lumpsum		
	TOTAL -B				
	GST (EXTRA)				
	GRAND TOTAL (A+B)				
	Reserve buyback price for old wooden partition, counter, tables	1	lumpsum	-	57500
	TOTAL				
	Notes:-				

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a)	use approved make list material selection.				
b)	Extra members, wherever required for stability / otherwise, to be provided with the required finish without ant extra charges.				
d)	Use bank standard design for making furniture, ceiling, wall/column paneling etc.				

ELECTRICAL BOQ

BOQ FOR ELECTRICAL & DATA CABLING WORKS IN CANARA BANK HAZARIBAGH MAIN BRANCH					
Item No	Item Description	Unit	Qty	Rate	Amount
1	MAIN PANEL				
	<p>Supply and installation (IP 42/43) galvanized and painted sheet steel of gauge 1mm, dust and vermin proof enclosure of 4 way TPN Panel with cover conforming to IS 8623 - 1&3, IEC 61439 - 1&3 with below components:-</p> <p>a) RYB LED light indicator b) RYB Voltmeter with provision of measurement of Voltage between any 2 phases c) Line Current Ammeter with provision of measurement of current in each phase d) Built in Bus bar with provision to tap atleast 4 connections e) 20 KVA changeover switch for provision of Generator connection</p> <p>Incomer: Supplying and fitting 100A 4P 415V 50Hz MCCB</p> <p>Outgoings: 1 no. 32A 4P 415V 50Hz MCB for Lighting DB 1 no. 40A 4P 415V 50Hz MCB for AC DB 1 no. 40A 4P 415V 50Hz MCB for UPS Input DB 1 no. 40A 4P 413V 50 Hz MCB for ATM DB 1 no. 16A 2 pole MCB for Sign Board</p>	Set	1		
2	LIGHTING DB				

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	Supplying and installing IP42 standard double door lighting distribution box having following components:- Incomer: 4 pole MCB - 32A Outgoing: 1 pole MCB - 10A -10 nos.	Set	1	Internal	
3	UPS INPUT DB				
	Supplying and installing IP42 standard double door UPS input distribution box For Branch following components:- Incomer: 4 pole MCB - 40A Outgoing: 4 pole MCB - 40A -2 nos.	Set	1		
4	AC DB				
	Supplying and installing IP42 standard double door AC distribution box having following components:- Incomer: 4 pole MCB - 40A Outgoing: 2 pole MCB - 16A -6 nos.	Set	1		
5	UPS OUPUT DB				
	Supplying and installing IP42 standard double door UPS output distribution box for Branch having following components:- Incomer: 2 pole MCB - 32A Outgoing: 1 pole MCB - 6A -8 nos.	Set	1		
6	WIRING				
	COLOUR CODING AS PER IS 732 STANDARD. R Phase - RED COLOUR, Y Phase - YELLOW COLOUR, B Phase - BLUE COLOUR				
a	Circuit wiring:- Supplying and laying 2 X 2.5 sq mm + 1 X 1.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe (UPS DB to computer wiring -one wiring i.e. one mcb for maximum 3 computer points , LIGHT DB to each switch board, Main Panel to Sign Board, Main Panel to ATM UPS Input ATM UPS Output to ATM Room independent plug point circuit wiring in BM Chamber , Cash cabin, 1 Counter & in Pantry.It also include computer point wiring 3PC can be connected in one circuit through MCB as per instruction of Bank EE.	mtr	450		

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b	AC Circuit wiring :- Supplying and laying 2 X 4.0 sq mm + 1 X 1.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe (AC DB to to each AC point)	mtr	100		
c	Circuit Wiring from Panel to UPS Input , Output & UPS DB :- Supplying and laying 2 X 6.0 sq mm + 1 X 2.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe (Panel to UPS INPUT DB TO UPS OUTPUT DB, MAIN PANEL TO INVERTER INPUT, INVERTER OUTPUT TO LIGHTING DB)	mtr	75		
d	Main Panel to AC DB, ATM DB:- Supplying and laying 4 X 4.0 sq mm + 1 X 2.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe for interconnections between panel and distribution boxes (MAIN PANEL TO AC DB, ATM DB)	mtr	25		
e	Service wire:- Supply and laying Fire Resistant Low Smoke 4 core 16.0 sq mm copper multistrand armoured cable for connection from electricity meter to the main panel	mtr	10		
f	Wiring for UPS Lights:- Supplying and laying 2 X 1.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe for lights connected with UPS line	mtr	25		
7	EARTHING				
a	Providing separate chemical earthing for UPS system by digging 6 feet deep hole and connecting with 6 SWG copper wire to UPS system	Set	1		
b	Providing separate GI pipe earthing system after digging 6 feet deep trench and filling the base with charcoal and salt along with 1.5 inch GI pipe and connecting with 6 SWG copper wire to main panel	Set	1		
8	UPS INPUT AND OUTPUT SOCKET AND SWITCH				
A	Supplying and installing industrial grade metal clad 40A socket along with 40A DP MCB with all interconnections	Each	3		
B	32A DP MCB for direct UPS output for Data Rack and Security System	Nos.	1		

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C	Suppling and installing 6/16 A modular switch and socket in 3 module box for ATM UPS Input and ATM UPS Output	Eac h	0		
D	Suppling and installing 32 A modular DP switch and socket in 3 module box for Inverter Input and Inverter Output	Eac h	2		
9	POINT WIRING FOR LIGHT, CALL BELL				
a	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch for control of 1 no. light fitting/ call bell. The wiring should be terminated in a round ceiling rose junction box. The switch plate metal box and the pipe should be concealed in the wall and the surface to be made good with necessary plastering work.	Eac h	0		
b	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch for control of 1 no. light fitting/ call bell. The wiring should be terminated in a round ceiling rose junction box. The switch plate modular box and the pipe should be concealed in the partition/Panelling.	Eac h	48		
c	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch for control of 1 no. light fitting/ call bell. The wiring should be terminated in a round ceiling rose junction box. The switch plate modular box and the pipe should be kept exposed in the wall.	Eac h	13		
10	POINT WIRING FOR CEILING FAN				

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a	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. ceiling fan. The wiring should be terminated in a round ceiling rose junction box. The switch plate metal box and the pipe should be concealed in the wall and the surface to be made good with necessary plastering work.	Each	0		
b	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. ceiling fan. The wiring should be terminated in a round ceiling rose junction box. The switch plate modular box and the pipe should be concealed in the partition.	Each	0		
c	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. ceiling fan. The wiring should be terminated in a round ceiling rose junction box. The switch plate modular box and the pipe should be kept exposed in the wall.	Each	1		
11	POINT WIRING FOR WALL MOUNTED FAN				
a	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. wall mounted fan. The wiring should be terminated in a concealed metal box with 3 module modular plate having 1 no. 6A socket and 1 no. 6A switch. The switch plate metal box and the pipe should be concealed in the wall and the surface to be made good with necessary plastering work.	Each	0		

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b	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. wall mounted fan. The wiring should be terminated in a concealed modular box with 3 module modular plate having 1 no. 6A socket and 1 no. 6A switch. The switch plate modular box and the pipe should be concealed in the partition.	Each	21		
c	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch along with 1 no. electronic regulator for control of 1 no. wall mounted fan. The wiring should be terminated in a exposed modular box with 3 module modular plate having 1 no. 6A socket and 1 no. 6A switch. The switch plate modular box and the pipe should be kept exposed in the wall.	Each	4		
12	COMPUTER POINTS				
	Supplying and fixing 8 module modular box of approved make having 3 nos. 6A socket controlled by 1 no. 16A switch and 1 no. indicator switch with all interconnections completed for UPS computer power source	Each	22		
13	DEPENDENT PLUG POINTS				
	Supplying and fixing dependent 6A socket and 6A switch in switch plate along with all interconnections. The switch box to be concealed or to be exposed as per direction. Switch board for Fan & Light point include it.	Each	7		
14	INDEPENDENT PLUG POINTS				
a	Supplying and fixing independent 6/16A socket and 16A switch in 3 module concealed metal box with all interconnections. The switch box to be concealed in the wall For induction heater.	Each	0		
b	Supplying and fixing independent 6/16A socket and 16A switch in 3 module concealed modular box with all interconnections. The switch box to be concealed in the wooden partition/Panelling. Printer , AC switch & Socket include it.	Each	21		

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c	Supplying and fixing independent 6/16A socket and 16A switch in 3 module concealed modular box with all interconnections. The switch box to be fixed directly on the wall	Each	1		
15	LIGHT FITTINGS				
a	Supplying and fixing 36W 2'X2' recess mounted LED light fittings of approved make. The lights should be compatible with grid type false-ceiling in.	Each	28		
b	Supplying and fixing 22W LED Tubelight in Branch of approved make	Each	8		
c	Supplying and fixing 36W LED Tubelight of approved make	Each	0		
d	Supplying and fixing 12W LED bulb of approved make	Each	2		
e	Supplying and fixing 12W LED downlighters of approved make	Nos.	19		
f	Supply & Fixing PLUT Light for cash cabin.	Each	1		
16	FAN FIXTURES				
a	Supplying and fixing wall mounted fan of dia 400 mm of approved make	Each	25		
b	Supplying and fixing ceiling fan of dia 1200 mm of approved make with regulator.	Each	1		
c	Supplying and fixing exhaust fan of dia 225 mm of approved make	Each	3		
17	CALL BELL				
a	Supplying and fixing Ding Dong bell of approved make outside Manager Cabin and Cash Cabin	Each	1		
18	DATA CABLING				
a	Supplying and laying CAT 6 network cable for data transmission in 20mm PVC casing.	mtr	500		
b	Supplying and installing RJ45 female jack with 3 module modular box and plate (10 for branch 2 for ATM)	Each	17		
c	Supplying Data patch chord having 2 mtr CAT 6 network cable with RJ45 male jack at 2 ends	Each	14		
d	Supplying data network rack of size 9U for network switch switch with shelves	Each	1		
e	Supplying and installing data 20 units patch panel in network rack for termination of data cable.	Each	1		

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f	Supplying and fixing CAT 6 cable with RJ45 male jack at both ends for linking patch panel and switch	Each	14		
g	Supply and fixing 3 nos. 0.5 W LED bulb indicator at the entrance as indicator for Lighting, AC, UPS connection	Set	1		
19	TELEPHONE				
a	Supplying and laying 0.5mm diameter 2 pair telephone wire for intercom connection	mtr	60		
b	Supplying and installing RJ11 female jack with 3 module modular box and plate	Each	3		
20	MISCELLNEOUS WORK				
a	complete removal of old existing wire , swithes , plates etc (Branch+ATM) ,as will be instructed by the Architects/Bank for auctioning by the bank	L/S	0		
b	Proving temporary electrical arrangement for branch to operate without any issue	L/S	0		
c	Shifter of Server from old location to new location	L/S	0		
	Total A				

BOQ FOR ELECTRICAL WORK OF ONSITE ATM (PART- B)

Item No	Item Description	Unit	Qty	Rate	Amount
1	Supplying and installing IP42 standard single door ATM distribution box having following components:- <u>Incomer:</u> 4 pole MCB - 40A <u>Outgoing:</u> 1 pole MCB - 6A -1 nos. 2 pole MCB - 16A -2 nos.	Set	0		
2	WIRING				
a	COLOUR CODING AS PER IS 732 STANDARD. R Phase - RED COLOUR, Y Phase - YELLOW COLOUR, B Phase - BLUE COLOUR				

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b	Supplying and laying 2 X 2.5 sq mm + 1 X 1.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe (From ATM DB to switch board)	mtr	0		
c	Supplying and laying 2 X 4.0 sq mm + 1 X 1.5 sq mm Fire Resistant Low Smoke multistrand copper wire of approved make in 25mm electric grade PVC pipe (From ATM DB to AC point + independent plug point)	mtr	0		
3	POINT WIRING FOR LIGHT FITTINGS				
	Executing point wiring for light fixtures and call bell circuits using 2 runs of 1.5 sq mm fire resistant low smoke multistrand flexible copper wire of approved make in 19mm electric grade PVC pipe with all interconnections. The wiring should include 1 no. modular switch for control of 1 no. light fitting/ call bell. The wiring should be terminated in a round ceiling rose junction box. The switch plate modular box and the pipe should be concealed in the partition.	Nos .	0		
4	LIGHT FITTINGS				
a	Supplying and fixing 36W 2'X2' recess mounted LED light fittings of approved make. The lights should be compatible with grid type false-ceiling	Nos .	0		
b	Supplying and fixing 12W LED downlighters of approved make	Nos .	0		
5	INDEPENDENT PLUG POINTS				
a	Supplying and fixing dependent 6/16A socket and 16A switch in 3 module concealed modular box with all interconnections. The switch box to be concealed in the wooden partition	Nos .	0		
6	EARTHING				

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a	Providing separate chemical earthing for UPS system by digging 6 feet deep hole and connecting with 6 SWG GI wire to UPS system (cu plate)	Set	0		
7	Reserve price for buy-back towards old fan, lights, wiring	LS	1	- 20500	
	Total				

SPECIFICATIONS OF FURNISHING MATERIALS TO BE USED

ITEMS		APPROVED MAKE OF MATERIALS
1	False Ceiling / Channels	India Gypsum / Armstrong / Saint Gobain
2	Wood Frame Work / Wood Section : All Wood, Must be well seasoned, free from knots, other defects decay and defects due to handling and Transportation. Wherever necessary, provide with anti - termite Treatment.	Malaysian Sal / Kapoor
3	Wood Skirting / Moulding / Lipping / Bidding	White Beach / White Ceader / CP Teak
4	Wood Preservative	STP Pentaphene Pale / Termiseal by PCI / Bison by British Paint
5	Fire Reterdant Paint	Industrial grads of Noble / Viper
6	BWP Ply (IS : 710)	Century / Green / ARCHID
7	Flush Door / BWP Block board (IS : 1659)	Century / Green / ARCHID
8	Laminate (1.0 mm thk./0.8mm) (IS : 2046)	Green lam / Century mica / Sunmica / Aiolam
9	Door Closure (Heavy Duty)	Godrej / Archi / Sterling (DC 2000)
10	Floor Spring (Heavy Duty)	Godrej / Archi / Sterling (FS 3000)
11	Door Lock (Dead)	Godrej / Hafele / Hettich / Kich / Doorset / Yale
12	Door Handles	Godrej/Ebco/Yale/Hafele/Dorma/ Hettich
13	Drawer / Storage Handle	Godrej/Ebco/Yale/Hafele/Dorma/ Hettich
14	Drawer / Storage Lock (Multipurpose)	Godrej/Ebco/Yale/Hafele/Dorma/ Hettich
15	Night latch	Godrej/Ebco/Yale/Hafele/Dorma/ Hettich
16	Screws	GKW / Nettle fold
17	Hinges	CIEF
18	Sliding Telescopic Drawer Channel	Ebco / Earl Behari / Efficient Gadjets
19	Cable Organiser	Ebco / Innofitt Systems (CM 63.C)
20	Adhesive	Fevicol SH / Fevimate TL
21	Soft Board	Jolly Board

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22	Vertical Blinds	Mac / Annums / Window Fashion
23	Glass	Modi / AIS / Saint Gobain
24	Paints (Synthetic Enamel / Acrylic Emulsion)	Asain Paints / Berger / ICI
25	PVC Flooring	Krishna Vinyl / Armstrong / Birla
26	Texture Paint	Spectrum
27	Glass	Modi / AIS / Saint Gobain
28	European WC / Washbasin	Hindware / Parryware
29	Sanitary Fittings	Jaquar / Essco Delux
30	G.I. Pipe	Tata (Medium)
31	Cement	Ultratech / Lafarge / ACC
32	Footmat	Birla 3M / Approved Equivalent
33	Vitrified Tiles	Johnson / Naveen / Kajaria
34	Ceramic Tiles	Johnson / Naveen / Kajaria
35	Aluminium Channel	JINDAL/HINDALCO/INDAL/EQUIVALENT
36	ACP	Aludecor/Eurobond/Alutech/Alucobond
37	Glass film & Vinyl Stickers :	3M/Garware/Avery Dennison/LG Hausys
38	Vertical Blinds/Roller Blinds/Zebra Blinds :	Vista/Trac/Mac/Hunter Douglas/Technifab
39	All other items not covered above	As per sample approved by Employer/Consultant

SPECIFICATIONS OF ELECTRICAL MATERIALS TO BE USED

Description of material	Make of material
Light fittings & Lamps	Hevells/GM/PHILIPS/CROMPTON/WIPRO
Modular switch / socket & Industrial Switch	GM/Crabtree/ Roma/ Philips/LEGRAND L&T SCHNEIDER
Ceiling fan/Wall fan/Exhaust Fan	Bajaj/Usha/Mescab/Havells/Crompton
PVC Insulated Wires (FRLS)	Mescab/KEI/RR Kabel/GMFINOLEX / HAVELLS / POLYCAB/ANCHOR / RR KABE
PVC Conduits	BCE / Plaza / AKG/GM
MCB/MCCB/DB/Change over	L&T/Siemen's/Legrand/Hager/GM/Legrand
Voltmeter/Ampere meter	L&T./AE/Juvas
Telephone cable	Finolex/Evershine KDK/Delton./Juvas
Data cables & I.O's	D-Link/GM/ FINOLEX/
Power Contactor	MDS / L7T /C&S.
Call Bell	Ellora/Precision/Anchor/Havell
Ceiling Rose	ELLORA/PRCISSION/ ANCHOR
HRC fuse base & carriers.	GE power / SIEMENS / L & T / SCHNEIDER
HRC fuses	GE power / SIEMENS / L & T / SCHNEIDER
Capacitor	CROMPTON/SIEMENS
RCCB / ELCB / MCCB	LEGRAND / INDO-ASIAN / HAVELLS
Networking	
Switches	Brocade/Cisco/DigiLink/3Com/Nortel/Foundry/DLink
Patch Panel,Patch cord and I/o	Digi-Link / Tyco(AMP) /Schneider/D-Link
Cable	Digilink/Clipser/National/Polycab/Lapp/Finolex
Racks	ComRack / HCL / ValRack / APW Presiden
Miscellaneous Items	
Lightning Protection Unit	Erico/ Pheonix/ INDELEC
Relays	L&T/ABB/Siemens/BCH

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Contractors	L&T/ GE Power/BCH/ Siemens/ABB
Changeover switch	C&S/Havells/ L&T/HPL
KWH, PF, Frequency meter	BHEL/ AE/Havells/ L&T/ALSTOM
Push Buttons	L&T/ Siemens
Timers	L&T/ Legrand/ Schneider/Siemens/GE
Timer	Switch L&T/ Legrand/ Schneider/Siemens/GE

CONTRACTOR

NOTE: The contractor shall use only above mentioned material to be approved by the Consultant. All other materials shall confirm to the specifications laid down. The tenderers shall take this into account while tendering rates / prices

Internal

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