

INVITATION TO TENDER FROM CONTRACTORS

PART -A

GENERAL CONDITIONS OF CONTRACT

FOR

INTERIOR, ELECTRICAL, HVAC, CCTV, FAS & ATM WORKS

OF

**PUNJAB & SIND BANK
VAJARAHALLI, BANGALORE BRANCH**

NANDA & ASSOCIATES

Architects

No.36, Saraswathi illam, Janakiraman Colony Main Road,
Arumbakkam, Chennai – 600 106.

Mob: 7550025055/ Land: 044 23637420

e-mail: nandaassociates@gmail.com

Tender issued to.....

Notice of Invitation of Tender from contractors

Sealed Tenders on item rate basis are invited from component contractors with the Bank having sound, technical and financial capacity to do Interior, Electrical ,HVAC, CCTV ,FAS & ATM works for PUNJAB & SIND BANK – VAJARAHALLI BANGALORE BRANCH. Tender Documents may be obtained against a payment of Rs.1000/- (Non- Refundable) by DD in favour of **PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI** to be given on tender opening date.

- Earnest Money Deposit : **Rs.31,000/- (Rupees Thirty One Thousand only) in favour of PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI. Or MSME Certificate to be submitted (2% of The Total Contract Value)**
- Time of Completion : **Twenty Five Days (25) Calendar days.**
- Time, Date & Place of Submission : **On or Before 02.30 PM on 03.03.2023 at PUNJAB & SIND BANK, ZONAL OFFICE, 770-A, ANNA SALAI, CHENNAI - 600002.**
- Opening of Tender : **4.30 PM on 03.03.2023 at PUNJAB & SIND BANK, ZONAL OFFICE, 770-A, ANNA SALAI, CHENNAI - 600002.**
- Liquidated Damages for delay : 1% of total value of contract per week up to a maximum 10% of the accepted contract sum.
- Defects Liability Period : 12 Months
- Validity of the Tender : 60 Calendar Days.
- Sales Tax. IT. Octroi. Levies : The rates quoted should include excise Sales Tax, Octroi. Levies, GST etc.
- Transportation and Lifting of Materials : The rates quoted should include cost of transportation, carting, wastages and lifting for all leads, night work etc.,

TENDER DOCUMENT

Note:

The bank is not bound to accept the lowest tender & reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever.

**PROPOSED INTERIOR, ELECTRICAL AND HVAC WORKS FOR PSB
VAJARAHALLI AT BANGALORE BRANCH**

2. GENERAL RULES AND INSTRUCTION FOR THE GUIDANCE OF TENDERER.

1. Tenders are hereby invited on behalf of M/s PUNJAB & SIND BANK – VAJARAHALLI BRANCH BANGALORE Branch to carry out the Furniture, Electrical, HVAC, CCTV ,FAS & ATM works.
2. Tenders which should always be placed in sealed cover with the name of project written on the envelopes will be received by PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI **up to 2.30 PM on or before 03.03.2023** and will be opened by him/authorized officer in his office **at 4.30 PM on 03.03.2023**. The tenders received after the stipulated time will not be accepted.
3. The time allowed for carrying out of the work for the furnishing works will be **25 (Twenty Five) Calendar days** from the next day of date of written orders to commence work.
4. The contractors should quote in figures as well as in words the rate and amount tendered by them. The amount for each item should be worked out and requisite totals given.
5. When contractors signs a tender in an Indian Language the tendered amount and the total amount tendered should also be written in the same language. In the case of illiterate contractors the rate or the amounts tendered should be attested by a witness.
6. Issue of tender form will be stopped one day before the date fixed for the opening of tenders.
7. Earnest Money amounting to **Rs.31,000/- (Rupees Thirty One Thousand only)(2%of the total contract value)**in the form of bank draft in favor of **PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI** Must accompany with each tender and each tender is to be in a sealed cover super/scribed **“Tender for the Interior Furnishing Works at VAJARAHALLI BRANCH ”**.
8. EMD of the Contractor, whose tender is accepted will be converted to Initial Security Deposit. EMD of other contractors will be returned. Security Deposit shall be collected as detailed in Clause No.12 on the General Conditions of the contract.
9. The acceptance of the tender will rest with PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI and will not be bound to accept the lowest tender and reserves the authority to reject any or all of the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.
10. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. Power and Water will not be provided by the Employer. The contractor has to make the arrangement for the same. Sub-meter shall be provided by the contractor at his own cost.
12. All rates shall be quoted on the proper form of the tender alone.
13. An item rate tender containing percentage below/above will be summarily rejected. However, where a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.

- 14.** On acceptance of the tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from the Bank/Architects shall be communicated to the Bank.
- 15.** Special care should be taken to write the rates in figure as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures the words 'Rs' should be written before the figures of rupees and words 'P' after the decimal figures, e.g., Rs.2.15 "P" and in case of words. The word 'Rupees' should precede and the word 'Paisa' should be written at the end, unless the rate is in whole rupees and followed by the words 'only'. It should invariably be up to two decimal places. While quoting the rate in schedule of quantities the word 'only' should be written closely following the amount and it should not be written in the next time.
- 16.** Sales tax or any other tax on material or on finished works like works contract tax, turnover tax etc in respect of this contract shall be payable by the contractor and the bank will not entertain any claim whatsoever in this respect.
- 17.** The contractor shall give a list of relative working with the bank along their designations and addresses.
- 18.** No employee of the bank is allowed to work as a contractor for a period of two years his retirement from bank service, without the previous permission of the bank, this contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the bank.
- 19.** The tender for works shall remain open for acceptance for a period of Ninety (90) calendar days from the date of opening of tenders. If any tenderer withdraws his tender before the said period, then the bank shall be at liberty to forfeit the Earnest Money paid along with the tender.
- 20.** The tender of the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may had/have tendered for the same work. Failure to observe this condition would render tenders of the contractors tendering as well as witnessing the tender liable to summary rejection.
- 21.** It will be obligatory on the part of the tenderer to tender and sign and tender documents for all the component parts and that, after the work is awarded, he will have to enter into an agreement for each component with the competent authority in the bank.
- 22.** The tenderer apart from being a competent contractor must associate and co-ordinate with the other allied agencies of the appropriate class.
- 23.** In the event of Correction, Overwriting, Addition occurrence at the time of filling rate in words and figures, the number of such Correction, Overwriting, Alteration shall be entered at the relevant space marked as "C", "O" and "A" in each pages of schedule of quantities.

ADDITIONAL CONDITIONS OF CONTRACT

Tenderer shall sign wherever provided for. The tenders not so signed shall be rejected. The tenders shall be submitted in on or before the due date.

No tenders shall be accepted unless the full amount of the earnest money deposit is paid at the time of submission of the tender. No exemption will be entertained.

Fluctuations in the prices of any materials or equipment or labour etc, shall not be taken into account either for compensation for damages for extras.

Watch and ward in respect of all plants, machinery and materials at site for use in works shall be the contractor's sole responsibility.

The contractor shall have to make his own arrangements to house his labour and staff and for their services.

All instructions regarding the execution of works shall be received from the Architects/Bank only. Any other instructions issued directly to the contractor by anyone else shall not be binding on the employer.

During execution of works the contractor must check his work with the drawings. The contractor shall be responsible for all the errors in this connection and will have to rectify all defects at his own cost, failing which the employer reserves all right to get the same rectified at the risk and cost of the contractor.

The contractor entrusted with the work shall indemnify the Bank and the Architects against theft, mishaps in construction and injury to workmen, damage to persons, property etc. He shall make well the damage at his own expense.

The Bank through the Architects shall have the power to omit or cancel any item of work without assigning any reason whatsoever and no claim for compensation for damage will be entertained for such omissions and cancellations.

Time is the essence of the work. All the works shall have to be completed within **25 (Twenty Five) days** from the same day of the work order. If the work is not completed within the aforesaid period the contractor shall pay the Bank the liquidated damages as mentioned before and the Bank shall be entitled to deduct the money due from the said contractor.

The contractor shall maintain satisfactory progress of work as well as maintain a desired workmanship. If in the opinion of the Architects the progress is unsatisfactory and/or the workmanship is unsatisfactory, the architects shall advise the bank to take possession of the work with 7 days notice to that effect.

TENDER DOCUMENT

The Employer shall then complete the entire work and rectify all the defects at the contractor's cost and consequences.

In case the Bank/Architects are not satisfied with the quality of materials used by the contractor they reserve the right to direct the contractor to procure such supplies from agencies they deem fit.

The contractor shall submit the bills for payment along with the detail statement showing the actual works carried out under different circles of items.

The contractor shall clear of works as per instruction of the Bank/Architects. The site of works shall be cleared of all men, materials, etc belonging to the contractor. The site shall be delivered in a broom clean and neat condition immediately after the job is completed. In case of failure by the contractor, the employer shall have the right to get the site cleared at the risk and cost of the contractor.

The contractor shall not without the written consent of the Bank/Architects assign the agreement or sublet any portion of works.

The quoted rates shall be all inclusive and cover the cost of all materials, freight, all types of taxes, duties, royalties, erection, construction, overhead, profit and any other expenditure incurred for completion of work as per drawings and specifications.

Wherever required, the Bank/Architect shall instruct erecting items sample, or mock-up as the case may be, and upon approval of the same, the items shall be fabricated and completed by the contractor(with or without modifications as the Bank/Architects shall instruct).

The final bill from the contractor shall not be entertained under any circumstances without full completion of all the items of works. Any work found defective wrongly carried out, and instructed by the Bank/Architect to be rectified or replaced shall be rectified or replaced prior to submission of final bill. It is to be expressly noted that no final bill will be held valid in the event of non-rectification of the defective or wrongly carried out items and the completion date shall not on this account be extended. Defects liability period will be effective from the day of satisfactory completion of all the items of works, as may be certified by the Architect.

In the event of the work being executed on holidays/beyond the Bank normal office working hours which might be required for the completion of the work within the stipulated time, the utmost care to be taken for not to disturb to normal working of Branch prior permission shall be obtained in the event of any night work is to be carried out.

While executing the work, considerable amount of shifting and re-shifting of several furniture items are likely to be involved. It is also likely that some of the items might be required to temporarily shift elsewhere in the premises on any other floors. These shall be done by the Contractor, and no payment against these works shall be separately paid for by the Bank. As the work is to be carried out and completed in the working Bank, the contractor

shall be responsible for maintaining the premises in clean condition every morning for the normal functioning of the Bank.

The contractor shall acquaint himself with the site conditions, local traffic regulations, local authority regulations availability of materials, labour, tax, structure, etc and quote rates accordingly. No extra charges/increases in rates shall be allowed on any of these or any other accounts.

The contractor shall have a component supervisor on the site at all the times. The contractor and/or his authorized representatives will attend all the meetings, whenever called for and the decisions taken in meeting will be binding on the contractor.

The contractor shall extend all necessary help to the agencies help to the agencies of associated works like A.C works, Intercom works, Computer Wiring works, Fire Detection works and works to be carried out by landlords agencies in such a manner that they can carry out their works smoothly and whole finished work must appear absolutely integrated. Nothing extra shall be paid on this account whatsoever. Figured dimensions are in all cases to be followed and in no case should they be scaled. Large scale details take precedence over small-scale drawings. In case of any ambiguity, conflict of interpretation shall prevail; the Bank/Architects decisions in this regard shall be final and binding.

The contractor shall be given a single electrical connection at the work site. Electrical charges for consumption by the contractors will be charged separately by the Bank.

The contractor shall be bound to carry out any extra items of work, whenever possible the rate for extra item shall be derived from the rate already quoted, otherwise the rate shall be worked out at cost of material + labour + 15% overhead wastage and profit.

The contractor shall submit his running bills for payment concerning work executed or materials delivered on the site, or work executed at his workshop which will be certified by the Architect for payment within 10 days from the date of submission of bill.

The architect will not certify any application for payment if there are:

- (a) Defective items of work still uncorrected.
- (b) Any claims or liens filed against the contractor for failure to pay for materials, labour or sub-contractors amount due; or reasonable evidence that includes probable filing of such claims
- (c) Damage to another contractor.
- (d) A reasonable doubt that the contractor can be completed for the balance then unpaid.

When the works are completed in all respects, the Contractor shall intimate in writing to the Architects and bank to enable to take possession of the same. The works shall not be considered virtually complete until the Bank/Architect have jointly inspected the works and certified in writing that this has been completed.

Contractor's Seal and Signature.

3.2 GENERAL CONDITIONS OF CONTRACT

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

INTERPRETATION:

In constructing these conditions, the specifications, the schedule of quantities, tender and Agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires:

- a. **Employer:** The term employer shall denote PUNJAB & SIND BANK, ZONAL OFFICE AT CHENNAI, TAMILNADU and any of its employees representatives authorized on their behalf.
- b. **Architects:** The term Architects shall mean M/s NANDA & ASSOCIATES ARUMBAKKAM, CHENNAI. Or in the event of his/her ceasing to be the Architects for the purpose of this contract such other persons/as the Employer shall nominate for the purpose.
- c. **Contractor:** The term contractor shall mean
(Name and address of the contractor) and his/hers legal representatives, assign and successors.

Site Engineer: The site engineer shall be appointed by the Bank/Architect. The bank may also determine the number of site Engineers and the supporting staff at site office to assist them and also whether the site engineer shall be temporary or permanent. As far as possible, the site engineer should assume change of his post before the contractor reports on site of work. Where more than one site engineer appointed, one of them shall be designated as senior engineer by the Premises Department and the other Site Engineer shall be reporting to the Senior Engineer.

d. The work is to be carried out in accordance with drawings, specifications, the schedule of quantities and any further drawings which may be supplied or any other instructions, which may be given by the employer during the execution of the work. All drawings relating to work given to the contractor together with a copy of schedule of quantities are to be kept at site and the Employer/Architects shall be given access to such drawing and/or dimensional sketches therefore and have it confirmed by the Employer/Architects prior to taking up such work. The contractor shall ask in writing for all clarifications on matter occurring anywhere in drawings, specifications and schedule of quantities or to additional instructions at least 3 days ahead from the time when it is requires for implementation so that the Employer may be able to give decision thereon.

- e. "The Works" shall mean the work or works to be executed or done under this contract.
- f. "Act of insolvency" shall mean any act as such as defined by the Presidency Towns insolvency Act or in Provincial Insolvency Act or any amending statutes.
- g. "The schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.

h. “Priced Schedule of Quantities” shall mean the schedule of quantities duly price with the accepted quoted rates of the contractors.

2. SCOPE:

The work consists of construction of Employer’s Interior works in accordance with the “drawings” and “Schedule of Quantities” It includes furnishing all materials, labour, tools and equipment and management necessary for and incidental to the completion of the work. 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/Architects and to furnish and install such detail with Employer’s/Architects concurrence, so that upon completion of the proposed work the same will be acceptable and ready for use.

Employer/Architects may in their absolute discretion issue further drawings and/or written instructions, details, directions and explanations, which are hereafter collectively referred to as “The Employer’s/Architect’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 the drawings or between the schedule of quantities and/or drawings and/or specification.
- c) The removal from the site of any defective material brought thereon by the contractor and the substitution of any other material thereof.
- d) The demolition removal and/or 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 maintenance period (retention period).

The contractor shall forthwith comply with and duly execute any work comprised in such Bank’s/Architects’ instructions, provided always that verbal instructions, directions and explanations given to the contractor’s or his representatives upon the works by the Bank/Architects shall if involving a variation be confirmed in writing to the contractor 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 Bank/Architects. Rates of items not mentioned in the priced schedule of quantities shall be fixed by the employer in consultation with the Architects as provided in clause “variation”.

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

3. TENDERER SHALL VISIT THE SITE:

Intending tenderer shall visit the site and make himself thoroughly acquainted with the local site condition, nature and requirements of the works, facilities of transport condition,

effective labour and materials, access and storage for materials and removal of rubbish. The tenderer shall provide in their tender cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport etc, for proper execution of work as indicated in the drawing. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred an account of any site condition which existed before the commencement of the work or which in the opinion of the Employer/Architects 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 within initials on every page. Initial/Signature will indicate the acceptance of the tender papers by the tenderer he schedule of quantities shall be filled in as follows:

- (i) The 'Rate' column to be legibly filled in ink in both English figures and English words.
- (ii) Amount column to be filled in for each item and the amount for each circle as detailed in the "Schedule of Quantities".
- (iii) All corrections are to be initialed.
- (iv) The 'Rate Column' for alternative items of which the quantities are not mentioned shall not be filled up.
- (v) 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 may at his option offer his comments or modifications in a separate sheet of paper attached to the original tender papers.

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

The work will be paid for the "measured work" on the basis of actual work done and not as "Lump sum" contract.

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. In any case of lump-sum charges in the tender in respect of any item of works, the payment of such

items of work will be made for the actual work done on the basis of lump-sum charges as will be assessed to be payable by the Employer/Architects.

The employer has power to add to, omit from any work as shown in drawings or described in 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 the contract.

The tenderer shall note that his tender shall remain open for consideration for a period of 90 calendar days from the date of opening of the tender.

5. AGREEMENT:

The successful contractor may be required to sign agreement as may be drawn up to suit local conditions and shall pay for all stamps and legal expenses, incidental thereto.

6. PERMITS AND LICENSES:

Permits and licenses for release of materials which are under Government control will be arranged by the contractor. The employer will render necessary assistance, sign any form or applications that may be necessary. The basic price of controlled materials for the purpose of valuing the tender is to be considered as stipulated below. This will also be the basis of adjustment in settling the contractor's bills.

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

The contractor will, however, be eligible to a proportionate extension of time on this account which in the opinion of the Bank/Architects is reasonable. The contractor shall at his own cost arrange for storage shed adequate for taking delivery and storing of the quantity of controlled materials released by the authorities or supplied by the Bank. The costs of storing, transporting etc., of all materials including those under government control are to be included by the tenderer in his quoted rates.

The Bank/Architects shall be indemnified against all government or legal actions for theft and any other controlled materials in the custody of the contractor.

7. GOVERNMENT AND LOCAL RULES:

The contractor shall confirm to the provision of all local Bye-laws and Acts relating to the work and to the Regulations etc., of the government and local authorities and of any company with whose system the structure is proposed to be connected. The contractor shall give all notices required by said Act, Rules, Regulations and Bye-laws etc., and pay all fees payable to such authority/authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities

for licenses, fees for footpath encroachment and restorations etc., and shall indemnify the Employer against such liabilities and shall defend all actions arising such claims or liabilities.

8. TAXES AND DUTIES:

The tendered must include in their prices quoted for all duties, royalties, cess, income tax and sales tax or any other taxes or local charges if applicable. No extra claim on this account will in any case be entertained.

9. PROVISIONAL SUMS (PS):

All provisional sums described in the schedule of quantities as PS shall be exclusively to the purchase of materials and not for any handling and fixing to be done by the contractor. Such costs of handling and fixing with profit (including transport charges if required) shall be separately included in the contract price as described in the schedule of quantities. The disposal of the amounts covered under this circle will be absolutely at the discretion of the Bank. Contractor is to make payments for these materials to the suppliers on certificate or order issued by the Bank/Architects and realizes them through his bills from the Bank.

10. QUANTITY OF WORK TO BE EXECUTED:

The quantities shown in the schedule of quantities are intended to cover the entire new structure indicated in the drawings but the bank reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

11. OTHER PERSONS ENGAGED BY THE EMPLOYER:

The employer reserves the right to execute any part of the work included in this contract or any work which is not included in this contract by other agency or persons and contractor shall allow reasonable facilities and use of his scaffolding for the execution of such work. The main contractor shall extend all co-operations in this regard.

12. a. EARNEST MONEY DEPOSIT:

The tenderer will have to deposit an amount of **Rs.31,000 (Rupees Thirty One Thousand five Hundred Only)(2% of the total contract value)** as specified in tender notice in the form of Bank Draft drawn in favor of **Punjab & Sind Bank, Zonal Office, Chennai** at the time of submission of tender as an Earnest Money. The employer is not liable to pay any interest on the Earnest Money of the unsuccessful tenderer 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.or MSME Certificate shall be provided.

12. b. RETENTION MONEY:

Retention money shall be deducted @ **10% (incl of Initial Security Deposit) of the gross value of running bills.** The retention amount will be refunded to the contractor **14**

(Fourteen) 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 conditions of the contract. No interest is allowed on retention money. A part of the Security Deposit if and as a decided by a constituent bank can also be furnished in the form of a Bank Guarantees on a Bank other than that of the constituent bank.

13. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:

The contractor shall provide everything necessary for the proper execution of the work according to the intent and meaning of the drawings, schedule of quantities and specifications taken together whether the same may or may not be particularly shown or described therein provided that the same can reasonably be inferred there from and if the contractor finds any discrepancies therein he shall immediately and in writing refer the same to the Bank/Architects 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 the contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labour and/or materials inclusive of all taxes and duties.

Whatsoever except for specific items, if any, stipulated in the tender documents.

The contractor shall at all times gives access to workers employed by the Bank or any employed on the buildings and to provide such parties with proper sufficient and if required special scaffolding, hoists and ladders and provide them with water and lighting and leave or make any holes, grooves, etc., in any work, where directed by the employer as may be required to enable such workmen to lay or fix pipes, electrical wiring, special fittings etc., The quoted rates of the tenderer shall accordingly include all these above mentioned contingent works.

14. TIME OF COMPLETION EXTENSION OF TIME AND PROGRESS CHART:

- a. **Time of Completion:** The entire work is to be completed in all respects within the stipulated period. The work shall deem to be commenced within next day from the date of work order or date of handing over of site, whichever is earlier. Time is essence of the contract and shall be strictly observed by the contractor.

The work shall not be considered as complete until the Bank/Architects have certified in writing that this has been completed and the Defects Liability Period shall commence from the date of such certificate.

- b. **Extension of Time:** If in the opinion of the Bank/Architects the works be delayed
- (i) By reason of any exceptionally inclement weather, or
 - (ii) By reason of instructions from the Bank consequence of proceedings taken or threatened by or disputed, with adjoining or neighboring owners or

- (iii) By the works, or delay, of other contractors or tradesmen engaged or nominated by the Employer and not referred to in the specification or
- (iv) By reason of authorized extra and additions or
- (v) By reason of any combination of workmen or strikes or lock-out affecting any of the building trades or
- (vi) From other causes which the Bank may consider are beyond the control of the contractor, the bank at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect there for. In the event of the Bank failing to give possession of the site upon the day specified above the time of completion shall be extended suitably.

In case of such strikes or lock-outs, as are referred to above, the contractor shall, immediately give the bank, written notice thereof. Nevertheless, the contractor shall use his best endeavors 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. 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 at the consideration of such strike or lock-out and the employer shall then, in the event of an extension being granted, determine and declare the final completion date.

Progress of Work: During the period of construction the contractor shall maintain proportionate progress on the basis of program chart submitted by the contractor immediately before commencement of work and agreed to by the Employer/Architects. Contractor should also include planning for procurement of scarce material well in advance and reflect the same in the program chart so that there is no delay in completion of the project.

15. LIQUIDATED DAMAGES:

Should the work be not completed to the satisfaction of the Employer/Architect within stipulated period the contractor should be bound to pay to the Employer a sum calculated as given below by way of liquidated damages and not as penalty during which the work remains un commenced or unfinished after the expiry of the completion date.

- a. For contracts having time for completion 6 months and less 1% of the estimated amount shown in the tender per week subjected to 10% of the accepted contracted sum.
- b. For contracts having time for completion exceeding 6 months but not exceeding 24 months. 0.5% of the estimated amount shown in the tender per week subjected to 7.5% of the accepted contracted sum.
- c. For contracts having time for completion exceeding 24 months. 0.25% of the estimated amount shown in the tender per week subjected to 5% of the accepted contracted sum

16. TOOLS, STORAGE OF MATERIALS, PROTECTIVE WORKS AND SITE OFFICE REQUIREMENTS:

The contractor shall provide, fix up and maintain in an approved position proper office accommodation for the contractor's representative and staff which offices shall be open at all reasonable hours to receive instruction notices or communications and clear away on completion of the works and make good all distributed work.

All drawings maintained on the site are to be carefully mounted on boards of appropriate size and covered with a coat a approved varnish. They are to be protected from ravages of termites, ants and other insects.

The contractor shall provide at his own cost all artificial light required for the work and to enable other contractors and sub-contractors to complete the work within the specified time.

The contractor shall provide a suitable temporary hut for the watchmen and clear away the same when no longer required and to provide all necessary attendance, lights, etc., required.

The contractor shall arrange for temporary latrines for the use of workers and field staff and keep the same in clean and sanitary condition to the satisfaction of the public Health Authorities and small cause such latrines and soil to be cleared away whenever necessary and shall make good all the works disturbed by these conveniences.

Every precautions shall be taken by the contractor to prevent the breeding of mosquitoes on the works during the constructions, and all receptacles, cisterns, water tanks, etc., used for the storage of water must be suitable protected against breeding of mosquitoes. The contractor shall indemnify the employer against any breach of rules in respect of anti-malarial measures.

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 boarding gantry, building structure other than those approved by the Employer.

Protective Measures: The contractor from the time of being placed in possession of the site must make suitable arrangements for watching, lighting and protecting the work, the site and surrounding property by day, by night, on Sundays and other holidays.

Tools: The contractor should cover in his rates for making provisions for all reasonable facilities for the use of his scaffolding, tools etc., by sub contractors for their work.

17. NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS:

The contractor shall confirm 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 any water, lighting and other companies, and/or authorities with whose systems the structures were proposed to have connection and shall before making any variations from the drawings or specification that may be associated to so conform, give the Employer/Architects written notices specifying the

variations proposed to be made and the reasons for making them and apply for instruction thereon. The Employer/Architects on receipt of such intimation shall give a decision within a reasonable time.

The contractor/s 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 right, royalties, damages to building, 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 harmless and indemnified in all respects from such actions, costs and expenses.

18. CLEARING SITE AND SETTING OUT WORKS:

The site shown on the plan shall be cleared of all obstructions. 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 on is finally approved and the rates quoted in his tender should include for this and no extra on this account will be entertained.

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

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

All the materials stores and equipment required for the full performance of the work under the contract must be provided through normal channel and must include charge for import duties, sales tax, octroi and other charges and must be the best of their kind available and the contractor/s must be entirely responsible for the proper and efficient carrying out of the work.

The work must be done in the best workmanlike manner. Samples of all materials to be used must be submitted to the Employer/Architects when so directed by the Engineer/Architects and written approval from Employer/Architects must be obtained prior to placement of order.

Should the work be suspended by reason of rain, strike, lock-outs or any other cause, the contractor shall take all precautions necessary for the protection of work and at his own expenses shall make good any damage arising from any of these causes.

The contractor shall cover up and protect from damage, from any cause, all new work and supply all temporary/doors, protection to windows and any other requisite protection for the extension of the work whether by himself or special tradesmen or subcontractor and any damage caused must be made good by the contractor at his own expenses.

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 within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Employer/Architects are not in accordance with specifications or instructions, the substitution or proper re-execution of any work executed with materials or workmanship not in accordance with the 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/Architects 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 shall relieve the contractor from his liability in respect of unsound work or bad materials.

21. SITE ENGINEER:

The term 'Site Engineer' shall mean the person appointed and paid by the Employer to superintend the work. The contractor shall afford the Site Engineer every facility and assistance for examining the works and materials and for checking and measuring work and materials. The Site Engineer shall have no power to revoke, alter, enlarge or relax any requirements of the contractor or to sanction any day work, additions, alterations, deviations or omission any extra work whatever, except in so far as such authority may be specifically conferred by a written order of the Employer.

The site engineer shall have power to give notice to the contractor or to his foreman, of non-approval of any work or materials and such work shall be suspended or the use of such materials shall be discontinued until the decision of the Employer is obtained. The work will from time to time be examined by the Architects, Engineer from the premises department of the Employer and the Site Engineer. But such examination shall not in any way exonerate the contractor from the obligation to remedy any defects which may be found to exist at any

stage of the work or after the same is complete. Subject to the limitation of this clause the contractor shall take instructions only from the Architects/Engineer.

22. CONTRACTOR'S EMPLOYEES:

The contractor shall employ technically qualified and competent supervisors for the work who shall be available (by turn) throughout the working hours to receive and comply with the instructions of the Employer/Architects. The contractor shall engage at least one experienced Engineer as site-in-charge for the execution of the work. The contractor shall employ in connection with the work person having the appropriate skill or ability to perform their job efficiently.

The contractor shall employ local labourers on the work as far as possible.

No labour below the age of 16 years and who is not an Indian National shall be employed on the work.

Any labourer applied 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.

The contractor shall comply with the provision of all labour legislation including the requirements of

- a. The payment of Wages Act
- b. Employer's Liability Act
- c. Workman Compensation Act
- d. Contract Labour (Regulation & Abolition) Act, 1970 & Central Rules 1971.
- e. Apprentices Act 1961
- f. Any other Act or enactment relating thereto and rules framed 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 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.

23. DISMISSAL OF WORKMEN:

The contractor shall on the 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 basis of any claim for compensation or damages against the Employer or any of the 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 un desert the contract or any part, share or interest therein nor, shall take a new partner, without written consent of the Employer 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. DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC

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 of any sub-contractor or of any of his or a sub-contractor's employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with carrying out of this contract. The clause shall be held to include inter-alia, any damage to building whether immediately adjacent or otherwise, and any damage to roads, streets, foot paths 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 any 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 damages to the property or third parties.

The contractor shall affect the insurance necessary and indemnify the Employer entirely from all responsibility in this respect. The insurance must be place 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 later. The scope of insurance is to include damage or loss to the contract itself till this is made over in a complete state. Insurance is compulsory and must be affected 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 accruing from or in respect of any such claim for damages from any sums due or to become due to the contractor.

26. INSURANCE:

Unless otherwise instructed the contractor shall insure the works and keep them insured until the virtual completion of the contractor 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 deposit the policy and receipt for premium paid with the Employer within 10 (Ten) 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.

27. ACCOUNTS RECEIPTS AND VOUCHERS:

The contractor shall upon the request of the employer furnish them with all invoices, receipts, accounts and other vouchers that may require in connection with the work under this contract. If the contractor shall use materials less than what he is required under the contract, the value of the work difference in the quantity of the materials he was required to use and that he 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.

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

28. PAYMENTS:

All bills shall be prepared by the contractor in the form prescribed by the Employer/Architects. Normally one interim bill shall be prepared each month subject to minimum value for interim certificate as stated in these documents. The bills in proper forms must be duly accompanied by detailed measurements in support of the quantities of work done and must show deductions for all previous payments, retention money, etc.

The Employer/Architects shall issue a certificate after due scrutiny of the contractor's bill stating the amount due to the contractor from the Employer and the contractor shall be entitled to payment thereof, within the period of honoring certificates named in these documents.

The amount stated in an interim certificate shall be the total value of work properly executed and 75% of invoiced value of material brought of site for permanent incorporation into the work up to the date of the bill less the amount to be retained by the Employer as retention money vide clause 12 of these conditions, provided that such certificate shall only include the value of said material and good as and from such time as they are reasonably, properly and not prematurely brought to or places adjacent to the work and then only if adequately protected against weather or other casualties.

The employer will deduct retention money as described in clause 12 of these conditions. The refund of retention money will be made as specified in the same clause.

If the Employer has supplied any materials or goods to the contractor, the cost of any such materials or goods will be progressively deducted from the amount due to the contractor in accordance with the quantities consumed in the work.

All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the requiring of bad, unsound, and imperfect or unskilled work to be removed and taken away and reconstructed, or reelected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall, it conclude determine or affect in anyway the power of the Employer under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the contractor within one month of the date fixed for completion of the work or of the date of certificate of completion furnished by the Site Engineer and payment shall be made within three months.

29. FINAL PAYMENT:

The final bill shall be accompanied by a certificate of completion from the Employer/Architects. Payments of final bill shall be made after deduction of Retention Money as specified in clause 12 of these conditions, which sum shall be refunded after the completion of 14 (Fourteen) days after the end of Defects Liability Period of Twelve (12) months after receiving the Employer's/Architects certificate that the contractor has rectified all defects to the satisfaction of the Employer/Architects. 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.

30. VARIATION/DEVIATION:

The price of all such additional items/non-tendered items will be worked out on the basis of rate quoted for similar items in the contract whether existing or on engineering rate analysis based on prevalent fair price of labour, material and other components as required. The tender rates, shall hold good for any increase or decrease in the tendered quantities up to

variation of 25%., For variation beyond +/- 25%, the rate for the respective item may be reviewed on mutually agreed terms.

31. SUBSTITUTION:

Should the contractor desire to substitute any materials and workmanship, he/they must obtain the approval of the Employer/Architects in writing for any such substitution well in advance. Materials designated in this specification indefinitely by such term as “Equal” or “Other approved” etc., specific approval of the Employer/Architects has been obtained in writing.

32. PREPARATION OF INTERIOR WORKS FOR OCCUPATION & USE ON COMPLETION:

The whole of the work will be thoroughly inspected by the contractor and deficiencies and defects put right. On completion of such inspection the contractor shall inform the Employer that he has completed the work and it is ready for inspection. On completion the contractor shall clean all windows and doors including the cleaning and oiling if necessary, of all hardware, inside and outside, all floor, staircases, and part of the building. He will leave the entire building neat and clean and ready for immediate occupation and to the satisfaction of the bank.

33. CLEARING SITE ON COMPLETION:

On completion of the works the contractor shall clear away and remove from the site all surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workman like condition to the satisfaction of the Employer/Architects.

34. DEFECTS AFTER COMPLETION:

The contractor shall make good at his own cost and to the satisfaction of the Employer all defects, shrinkage, settlements or other faults which may appear within 12 months after completion of the work. In default the Employer may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from him by the Employer or may be deducted by the employer, in lieu of such amending and making good by the contractor, deduct from any money due to the

contractor a sum equivalent to the cost of amending such work and in the event of the amount retained being insufficient, recover that balance from the contractor from the amount retained under clause No. 12 together with any expenses the Employer may have incurred in connection therewith.

35. CONCEALED WORK:

The contractor shall give due notice to the Employer/Architects whenever any work is to be buried in the earth, concrete or in the bodies of walls or otherwise becoming inaccessible later on, in order that the work may be inspected and correct dimensions taken before such burial, in default whereof the same shall, at the opinion of the Employer/Architect be either opened up for measurement at the contractor's expense or no payment may be made for such materials. Should any dispute to differences arise after the execution of any work as to measurements etc., or other matters which cannot be conveniently tested or checked, the notes of the Employer/Architects shall be accepted as correct and binding on the contractor.

36. ESCALATION:

The rate 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, labour, sales tax, octroi, etc., unless specifically provided in these documents.

37. IDLE LABOUR:

Whatever the reasons may be no claim for idle labour, additional establishment cost of hire and labour charges of tools and plants would be entertained under any circumstances.

38. SUSPENSION:

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 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 fall for 7 (seven) days after such notice has been given to proceed with the works as therein prescribed, the Employer may proceed as provided in the following.

38. 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 and 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 Assign 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 an fulfill the contract, and if so required by the employer to give reasonable security there for, 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 not withstanding 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 favor 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 or things to prevent or hinder such other contractors or other persons or person employed from completing and furnishing 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 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.

40. 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 of the rights touching or concerning the execution or maintenance thereof of this contract of the construction remaining operation or effect thereof or to the rights or liabilities of the parties to arising out of or in relation thereto whether during or after determination foreclosure of branch 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 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 person's 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 Arbitrator so appointed is unable or unwilling to act or resign his appoint 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 to 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 shall give a separate award in respect of each dispute or difference 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 of settle and amount of costs to be so paid.

The award of the Arbitrator shall be final and binding on both the parties. Subject to aforesaid the provisions of the Arbitration Act 1940 or any statutory modification or

reenactment thereof and the rules made there under and for the time being in for, shall apply to the arbitration proceeding under this clause.

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

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

4. SAFETY CODE:

Personal Safety Equipment's:

All necessary personal safety equipments as considered adequate by the Engineer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, and the contractor should take adequate steps to ensure steps to ensure proper use of equipments by those concerned. The contractor shall not employ men below the age of 18 years and women on the work of painting with products containing lead in any form. Wherever men above the age of 18 are employed on the work of lead painting the following precautions should be taken:

First Aid:

- a. At every work place, there shall be maintained in readily accessible place first aid appliance including and adequate supply of sterilized dressings and sterilized cotton wool. The appliance shall be kept in good order and in large work place they shall be places under the charge of a responsible person who shall be readily available during working hours.
- b. At large work places, where hospital facilities are not available within easy distance of the works, first aid posts shall be established and be run by a trained compounder.

In every work place, there shall be provided and maintained at suitable places easily accessible to labour sufficient of cold water fit for drinking.

Contractor's Seal and Signature.

5. SPECIFICATION AND WORKMANSHIP

GENERAL SPECIFICATIONS:

1. GENERAL:

These specifications are for work to be done, if item to be supplied and materials to be used in the works as shown and defined on the drawings and described herein, to the satisfaction of the Bank/Architect.

The workmanship is to be the best possible and of a high standard. The contractor shall take all steps immediately to make up deficiency if any noticed by the Bank/Architects. Use must be made up of special tradesmen in all aspects of the work and allowances must be made in the rates for the same.

The materials is to be the best possible and of a high standard. The contractor shall take all steps immediately to make up deficiency if any noticed by the Bank/Architects. Use must be made up of special tradesmen in all aspects of the work and allowances must be made in the rates for the same.

The materials to be provided by the contractor shall be accordance with the samples already got approved from the Bank/Architect by the contractor and in conformity with specifications and approved list of manufactures and brand. The contractor shall produce all invoices, vouchers or receipts for any material if called upon to do so by the Bank/Architect.

Samples of all materials are to be submitted to the Bank/Architects for their approval before the contractor's orders or deliver the material to the site. Samples together with their packings are to be provided free of charge by the contractor and should any materials be rejected they will be removed from the site at the contractor expense. All samples will be retained by the Bank/Architects for comparison with materials which will be delivered at site. Also the contractor will be required to submit specimen finished of colors, fabrics, etc., for the approval of the Bank/Architects before proceeding with the works.

The contractor shall be responsible for providing and maintaining temporary coverages required for the protection of finished work. He is also to clean out all word shavings, cuts ends and other waste from all parts of the works before covering or infilling are constructed.

Contractor shall maintain uniform quality and consistency in workmanship throughout the execution of the work.

ARTICLES OF AGREEMENT

Articles of Agreement made at Chennai this day of _____ between PUNJAB & SIND BANK, ZONAL OFFICE, CHENNAI.(Hereinafter referred to as “The Employer” which expression shall unless excluded or repugnant to the context be deemed to include its successors and assigns) of the one part, and M/s _____ carrying on business at _____ (hereinafter referred to as the “Contractor” which expression shall unless excluded or repugnant to the context be deemed to include their heirs, executors, administrators, representatives and assigns) of the other part.

WHEREAS

1. The Employer is desirous of carrying out the Civil and Furniture works for Punjab & Sind Bank, **VAJARAHALLI BRANCH CHENNAI**, and has drawings and specifications, schedule of quantities describing the work to be done, have been prepared by the Consultant NANDA & ASSOCIATES, ARUMBAKKAM, CHENNAI, under the direction of the Employer. The Employer is desirous of completing the said work strictly and according to the said drawings and specifications.
2. The contractors in their tender dated _____ and negotiations through letter on _____ have agreed to execute the said works as per said drawings specification and schedule of quantities, rates and subject to the conditions set forth in the special conditions of contracts (all of which are collectively hereinafter referred to as “the said conditions”). The special conditions and condition of contract have been pursued, examined and accepted by the contractor. Total tender value is accepted as Rs. _____ (Rupees _____ only).
3. The contractor has deposited Rs. _____ (Rupees _____ only) with the Employer Security Deposit for performance of this agreement.

NOW IT IS HEREBY MUTUAL AGREED AND DECLARED BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. The contractor hereby agrees and undertakes to execute and complete the said works shown in the said drawings and such further detailed drawings as may be furnished to it by the Employer and described in the said specification and the said schedule of quantities upon and subject to the said conditions.
2. The Employer shall for such interior works, pay to the contractor such sums as shall become payable at time, in the manner specified in the said conditions.
3. The said tender and allied documents, drawings, specification, prices schedule of quantities, agreement and documents above mentioned, shall from the basis of this contract and the decision of the Employer as mentioned in the condition of contract with reference to the clauses of this agreement or the said conditions shall be final and binding on both the parties.
4. The contract herein contained, comprises of the said work above mentioned and all subsidiary works connected therewith in the same site may be ordered to be done from time to time by the Employer even though such works may not be shown in the said drawings or described in the said specifications or the schedule of quantities. The

Client: M/s. Punjab & Sind Bank
Zonal office, Chennai.

(29)

M/s. Nanda & Associates
Chennai

TENDER DOCUMENT

contractor hereby agrees and undertakes to do and perform all such works in a thorough and workmanlike manner. With best materials and within the time limit herein mentioned.

5. The employer reserves to himself the right after the drawings and nature of the work and of adding or omitting any item of work or of having portions of the same carried out departmentally or otherwise and such alterations and such alterations or variations shall be carried out without prejudice to this contract.
6. The said conditions shall be read and constructed as forming part of this agreement and parties hereto will respectively abide by and submit themselves to the conditions and stipulations and perform the agreements on their parts respectively as such conditions contained.
7. It will be the entire responsibility of the contractor to procure all materials required for the said works.
8. The contractor shall complete the said work within 30 days from the date of commencement of work as per work order for the work and will remove from the site all plants, scaffoldings, materials, in use rubbish and leave the work site clean within the said period.
9. All disputes arising out of or in any way connected with this agreement shall be deemed to have arisen in Chennai and only in courts in Chennai shall have jurisdiction to determine the same.
10. The several parts of this contract have been read and fully understood by us.
11. The work-order issued to the contractor shall be treated as part of this agreement.

In witness where of the parties hereto have set their respective hands on the day month and year above written.

Signed and Delivered by

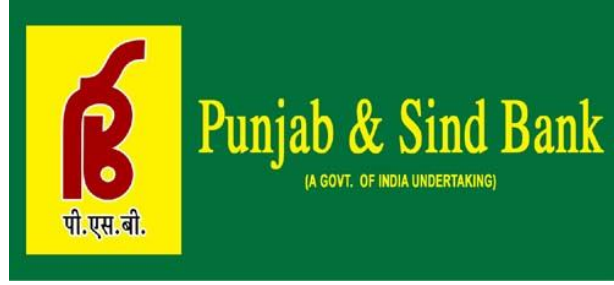
The Bank

Signed and Delivered by

The Contractor

In the presence of Witness

In the presence of Witness



INVITATION TO TENDER FROM CONTRACTORS

PART-B

PRICE BID

FOR

**INTERIOR, ELECTRICAL, HVAC, CCTV, FAS & ATM
WORKS**

OF

PUNJAB & SIND BANK

VJARAHALLI BRANCH

NANDA & ASSOCIATES

Architects

No.36, Saraswathi illam, Janakiraman Colony Main Road,
Arumbakkam, Chennai – 600 106.

Mob: 7550025055/ Land: 044 23637420

e-mail: nandaassociates@gmail.com

Tender issued to.....

SUMMARY
FOR PUNJAB & SIND BANK,
VAJARHALLI BRANCH,
BANAGLORE.

INTERIOR WORKS: RS.....

ELECTRICAL WORKS: RS.....

HVAC WORKS: RS.....

GRAND TOTAL: RS.....

NAME OF THE CONTRACTOR & ADDRESS:-

DATE: -

SIGNATURE OF THE CONTRACTOR

DATE: -

SIGNATURE OF THE CONSULTANT

DATE: -

SIGNATURE OF THE ZONAL MANAGER
PUNJAB & SIND BANK,
ZONAL OFFICE,
CHENNAI.

SUMMARY

Client : Punjab & Sind Bank , Chennai ZO.,

Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch

Architect : M/S.Nanda & Associates,Chennai.

Subject :Cost Summary

S No	Description of Item	Amount (INR)
I	Interior works	
II	Electrical works	
iii	HAVC works	
iv	CCTV works	
v	ATM works	
vi	Fire Alarm System	
	TOTAL	
	TOTAL EXCLUSIVE OF GST 18%	
	GST 18%	
	GRAND TOTAL	

Client : Punjab & Sind Bank , Chennai ZO.,						
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch						
Subject: Bill of Quantity - Interior works						
Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
1	FALSE CEILING					
a	Gypsum Ceiling					
	<p>Providing and fixing suspended Gypboard false ceiling, which includes providing & fixing GI perimeter channels of size 27mm, 0.5mm thick having one flange of 20mm & another flange of 30mm along with perimeter of the ceiling, screws fixed to brick wall / partitions with the help of rawl plugs & screws. Then suspending GI intermediate channels of size 45mm, 0.9mm thick with two flanges of 15mm each from the soffit at 1200mm centers with steel GI hanger of which 25mm, 0.5mm thick fixed to soffit with GI cleat & steel expansion fastners. Ceiling section of 0.5mm thickness having knurled wedge of 51.5mm and two flanges of 25mm each with leafs of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in direction perpendicular to the intermediate channel at 450mm centers. 12.5mm tapered edge gypboard is then screwed fixed to ceiling section with 25mm dry wall screws at 230mm centers screw fixing will be done mechanically either with screw driver or drilling machine with suitable attachment. Finally the tapered and squared edges of the boards are jointed at finished to give a flushed finish with requisite jointing compound, paper tapes, finished and premier suitable for Gypsum plaster boards. The entire work shall be finished as per instructions of the Architect. No extra cost shall be entertained in completing the job in all respect. The ceiling to be finished with 2 coats of approved colour of plastic emulsion paint over a primer coat.</p>	218.00	Sft			

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
b	Grid Ceiling (2'0" x 2'0")					
	Providing and fixing in true horizontal level false ceiling grid of Prelude exposed 24 mm grid system with 15mm manufactured by Approved Make by Architect.Using hot dipped chemically cleaned capping prefinished in baked polyester galvanized steel section exposed surface paint wall angle of size 3000 x 19 x 19mm used in the periphery of the ceiling fixed to the wall partition RC column band walls with the help of screw at 600mm C/C. main runner of size 3000x15x32mm suspended at 1200mm C/C by using 2mm/3mm dia GI wire hanger securely fixed to the structural soffit of RC slab by using 6mm anchor fastener at every 1200mm (max) and 1200mm long cross tee of size 15 x 32mm to be interlocked between in main runner at 600mm C/C. (max) to form a grid of 1200 x 600mm.long cross tee of size 15 x 32 fixed in between 1200 mm long cross tee for forming a grid of 600 x 600mm. Finally laying Armstrong Lay - in Fine fissured 99 Board edge Ceiling with Perforated (standard) tile of Trulok Edge manufactured by M/s Armstrong world Industries Ltd.,	428.00	Sft			
2	PARTITIONS					
	Note: The contractor shall be paid for the partition area upto to the false ceiling bottom only and the rate shall be inclusive of frame work for the partition above false ceiling and upto RC ceiling level.					
a	FULL HEIGHT SOLID PARTITION					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Providing Full height partitions of height 9'0" made of 2"x2" Aluminum frame work finished with vertically at every 600 mm c/c and horizontal frame at bottom, 3'0" level, 1'6" level and 10' 6".The frame work to be cladded on both sides with 6mm thick commercial plywood and finished with 1 mm thick decorative laminate. The partition to be provided with TW skirting of size 3" x ¾" on both sides and finished to desired wood effect by application of melamine polish after initial surface preparation.The rate also includes flush doors of size: 3' 0" x 7' 0"wherever necessary as shown in the drawing which includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardwares. The work to be completed as per design and approval of the Architect.	531.00	Sft			
b	LOW HEIGHT PARTITION					
	Providing Half height partitions of height made of 2"x2" Aluminum frame work finished with vertically at every 600 mm c/c and horizontal frame at bottom, 3'0" level, 1'6" level and 10' 6"(Ht of the partition are at 5'0"Ht & 7'0"Ht Respectively). The frame work to be cladded on both sides with 6mm thick commercial plywood and finished with 1 mm thick decorative laminate. The partition with 8mm thk.clear float glass (as per design) shall be provided above 2'6" from GFL.The partition to be provided with TW skirting of size 3" x ¾" on both sides, and including Scaffolding and finished to desired wood effect by application of melamine polish after initial surface preparation.The rate also includes flush doors of size: 2'6" x 5' 0" wherever necessary as shown in the drawing which includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardware's	132.00	Sft			
c	DECO GRILL PARTITION FOR BULK CASH					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Providing and fixing of plyboard partion with 10mm thk.The Partion should contains 4'0" ht blocked partion from the floor and above 2'6"ht contains glass partion width of 5'0" remaining 0'6" contains plyboard partion.The top portion is to be covered by Deco grill as per approval of architect. Supply and fixng of 12mm thick toughened Glass in Front Counters . In glass all the edges moulded in bull nosing and it should be fitted with hard wood beading at both the ends to with stand the glass and the wooden surfaces finished with natural wood finish.Also the glass having a opening as mentoned in the drawing or size of 0'6" x 0'9". The rates inclusive of all fittings and accessaries,etc. complete.. The door attached to the partion will also have 8 mm toughned glass fixed as shown in the drawing with all accessories with brass finish and necessary hardwares. (including the Godrej make night latch and handles for doors) The entire work to be completed as per the instructions ans consultation of the Architect.The rate also includes flush doors of size: 2' 6" x 6'0" with 8mm thick Glass fixed above from 4'0" to 6' 6" level wherever necessary as shown in the drawing which includes supply,fabrication, fixing with all necessary accessories all with brass finish and other hardwares.	188.00	Sft			
d	GLAZED PARTITION (For ATM).					
	The partion with 8mm thk. clear float glass with etching (as per design) shall be provided with powder coated alumininum frame.(Rate to calculated upto False ceiling ht). The rate also includes glazed door of size: 3' 0" x 7' 0"wherever necessary as shown in the drawing which includes supply, fabrication, fixing with all necessary accessories all with brass finish and other hardwares(ATM). The work to be completed as per design and approval of the Architect.	64.00	Sft			
e	WOODEN WALL PANELLING (For ATM)					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Providing and Fixing of laminate of over the plywood panelling /Partition wall with Wooden frame work of 6mm thk of Shade as approved - as per drawings architect design.The rates include all necessary accessories and fittings.the work to be complete asper the instruction of the Architect	150.00	Sft			
4	MAIN DOOR					
a	Doors: Main Entrance Door: To be made out of 12mm thk Toughened glass with etching as per design.The glass with etching has to be fixed with all side and Top rails of size 1 1/4" x 5" and the Bottom rail of size 1 1/2" x 10".The rails to be made out of best quality beach wood.The door shall have 18" long S/S handle and also double action floor spring of specified make. The etching in glass pattern to be followed strictly as per instructions of the Architect or following the drawing attached.NB: Size of the door(6'0"x7'0")may slightly vary as per site conditions for matching the elevation of the fixed glazing. All exposed edges of the glass to be machine polished.	42.00	Sft			
b	WICKET DOOR					
	Providing & fixing solid core flush door of 32mm thk with 1.0mm Laminate on both sides.A door frame of salwood section covered by 3" X 1 1/2" white beach or white cedar beeding same size as frame with natural polish shall be provided. The rate shall be inclusive of brass hinges, screws, handle, cylindrical locks(golden, Godrej) , door closer, door stoppers, etc. The work to be completed as per drawing and approval of the architect.					
	(i) Size :-3' 0"x 4' 0"	1.00	Nos			
5	WOODEN BOXING					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Providing and fixing wooden boxing in front of SWC's position as per design with 2" x 2" Hard wood section frame work all the corners ways screwed to the floor and ceiling with M.S. Cleats and to be treated with anti termite oil . The frame work will be claded with 18mm thk plywood both sides and to be finished with 1.0mm Thk Laminate as per design with adhesive. 3" x 1/2" Thk white beach or white cedar skirting as per design should run along with the entire bottom length of partition on both sides with natural polish. The rate also includes supply, fabrication, fixing with all necessary accessories. The work to be completed as per design and approval of the Architect.	90.00	Sft			
6	FRONT GLASS RUNNING COUNTERS					
	Supply and fixng of 12mm thick toughened Semi arched Glass B/R Rs250/Sft in front counters. In glass all the edges moulded in bull nosing and it should be fitted with hard wood beading at both the ends to with stand the glass and the wooden surfaces finished with natural wood finish.the glass should have a opening as mentoned in the drawing or a size of 0'6" x 0'9". The rates inclusive of all fittings and accessories etc.	24.00	Sft			
7	TABLES AND COUNTERS:					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Fabricated out of 19mm plywood for all exposed sides, front and top ,and all sides finished with 1mm Laminate table top.Inside part shutters and bottom of keyboard tray,drawers to be finished with approved shade of enamel paint only. All other surfaces to be finished with laminate. The table top will have a 10mm glass with edge machine polished for Manager Table. The table to be done as per drawing. The base of drawers shall be madeout of 6mm thk Ply,sides and back of 12mm thk ply and front made out of 18mm ply. It also provide with a key board tray made with 18mm Plywood and 1mm laminate on top and bottom. All drawers will have Godrej multipurpose locks and 4" S.S handle of approvedmake. The drawers and key board tray shall run on sliding channels / efficient gadgets and all table tops shall have provision for wire managers of approved shade instructions given by the Architect at the time of execution. All exposed edges of ply to be finished with Teak wood mouldings of approved design and polish of approved shade /colour respectively.Legrest should also be provided as per Architect's design.					
a	Manager Table (5' 0" X 3'0") with 10MM thk glass top.	1	Nos			
c	Running working counter	19.00	Rft			
d	Cash Counter					
	Cash with Laminte finish. Working top will be 2'-6"ht and customer top will be at 3' 9" including thickness of the Laminate(1mmthk). One cash tray to be provided.Rest of the cash counter as per specifications and drawings attached in the tender and specification same as counter specification specified above. All clarifications to be taken before quoting the prices & no extra cost shall be entertained at the time of execution. The first drawer of the cash shall have dividers for keeping different coins and cash notes. The rate inclusive of supply and laying of 1mm thk Laminate for both the working top and customer top.	5	Rft			
8	STORAGES:					

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	Providing and fixing of 19 mm thk ply for Top. Sides, front shutters finished with for 1mm thk laminate . For all exposed external surface with necessary lipping at front Inside of the storage to be enamel painted. The rates includes godrej multipurpose lock. 4"S.S handles, hinges etc. are as per in the drawing.					
	Side unit (L:3'0"xB:1'6"xH:2'6") at Manager Cabin	14.38	Sft			
9	NOTICE BOARD:					
	Providing & fixing of Soft Board on the customer lobby made of jolly board with a fabric of B/R 250/- per metre. The design and the entire work has to be done as per the instructions of the Architect at the time of execution.	20	Sft			
10	WRITING LEDGE:					
	Fabricated out of 19mm ply for sides and back 6mm thk ply to be provided, all exposed areas to be finished with laminate 1.0mm thk of approved shade and make for both ledge and drop box. The same shall have provision for keeping brochure/slips. The entire work to be carried out as per tender drawings attached and no extra cost shall be provided in completing the same in all respect.	1	Nos			
11	CHEQUE DROP BOX :					
	Fabricated out of 19mm ply for sides and back 6mm thk ply to be provided, all exposed areas to be finished with laminate 1.0mm thk of approved shade and make for both ledge and drop box. The same shall have provision for keeping brochure/slips. The entire work to be carried out as per tender drawings attached and no extra cost shall be provided in completing the same in all respect.	1	Nos			
	Grand Total					
		Round off Rs.				

ELECTRICAL WORKS

Client : Punjab & Sind Bank , Chennai ZO.,						
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajahalli Branch						
Subject: Bill of Quantity - Electrical works						
Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
I	Electrical Works					
A	Light Point Wiring					
B	Main Supply (Primary Distribution) Mcb db, Panel Board					
C	Power Cable & Conduit Wiring					
D	Rawpower Socketes ,Ac Sockets Wiring					
E	UPS Wiring& Acessories works					
F	Light Fitting Supply & Erections					
G	Earthing					
H	Television & Telephone & Lan Wiring ,Miscellaneous					
	Total For Elecctrical Works Amount					
	GRAND TOTAL (ELECTRICAL WORKS)					
A	Light point Wirng					
	Supply and run of 3Rx1.5 sq.mm. FR pvc multistrand Copper wire in suitable FRLS PVC conduit, having 6A modular switch on modular PVC/GI box for the following points					
1	Primary point	21	Pts			
2	Secondary point	5	Pts			
3	1 fan controlled by step type regulator with switch	2	Pts			
4	wall fan point including 5A socket with control switch	5	Pts			
5	Exhaust fan point	3	Pts			
6	1 No. 6A socket controlled by single switch in switch board	11	Pts			
7	1No. Buzzer with bellswitch incl. wiring connections	1	Pts			
8	one light points Control By 2 Nos. 6Amps Two way Switch	1	Pts			
9	Supply and laying 2x2.5 1 x 2.5 sq.mm. PVC insulated copper for lighting circuit main.	100	Mtr			
	Total Amount For Light Point works					

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
B	Main Supply (Primary Distribution) Mcb db, Panel Board					
1	Panel Board					
	Supply, Erection, Testing and Commissioning of Indoor type MAIN PANEL, Wall / Floor mounting type, dust and vermin proof by construction of 14 SWG CRCA sheets Compartmentalised, modular type IP 42 Protection with powder coated panel as specification below.					
	Incomer:					
	1 No - 63A 4P 25kA MCCB					
	1 Set of Current transformer rated 125/5A, 10VA/CI 1.0 for metering.					
	1No – Digital Multi data Meter					
	1 Set – LED type RYB indication lamps with control fuses					
	Outgoing feeders					
	2Nos -40A TPN MCCB					
	2Nos -32A TPN MCCB					
	100A Aluminium Bus Bar and Associated Accessories as required.					
	All breaker should be rotary handle mechanism					
	Incoming and outgoing cables shall be of Top entry only.	1	No.			
	CHANGE OVER SWITCH FOR UPS & LIGHTING LOAD					
2	Supply and installation of 32 A 4PMCB in sheet steel enclosure on wall mounting angle iron frame work and including top & bottom cable boxes to receive incoming & outgoing cables.	1	Nos.			
3	Supply and installation of 40A 4P on-load changeover switch in sheet steel enclosure on wall mounting angle iron frame work and including top & bottom cable boxes to receive incoming & outgoing cables.	1	Nos.			
4	Supply and fixing 4way TPN DB double door having 32A4p ELCB WITH 30mA-1 No. as incomer with 6A - 12Nos , SP MCBs with suitable rated cu. Bar connection including interconnection.& junction box as necessary Required job etc.(For Lighting Load)	1	Nos.			
5	Supply and fixing 4way TPN DB double door having 32A4p ELCB WITH 100mA-1 No. as incomer with ,25 A SP -4 No, 16A SP - 3 Nos, 10A,SP -5 Nos MCBs with suitable rated cu. Bar connection including interconnection.& junction box as necessary Required job etc.(For A/C & Power Load)	1	Nos.			

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
6	MAIN DB FOR UPS & LIGHTING LOAD					
	Supply, Installation, testing and commissioning of 4 way VDB TPN Distribution board with the following:- 1No -32A 4P MCCB as Incomer and Outgoings:- 3 Nos of 32A TP MCBs and 1 No of 32A TP MCBs with necessary insulated copper bus bars, Neutral Links, earth Links and interconnections with suitable PVC insulated copper conductor wires.	1	No.			
	Total Amount For Panel Board works					
C	Power Cable & Conduit Wiring					
	Supplying, laying, testing & commissioning of PVC / LT insulated 1.1KV grade armoured conductor cables of the following sizes, clamping on to the wall as per site condition.					
1	4c x 25 Sq .mm Al. XLPE,Ar Cable	25	Mtrs.			
2	4c x 16 Sq .mm Al. XLPE,Ar Cable	15	Mtrs.			
3	4R X 4 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits (Lighting db)	20	Mtrs.			
4	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	15	Mtrs.			
5	3R X 6Sqmm. Copper Cable in a suitable PVC FRLS conduits (UPS OUTGOING)	20	Mtrs.			
	Termination					
	Terminating, Connecting and Commissioning of the above under Ground cables with compression type SIBG Cable glands.The cost of earthing gland with copper strips/wires shall also be included. The cables shall be terminated with aluminium lugs after crimpin					
1	4c x25 Sq .mm Al. XLPE,Ar Cable	2	Nos.			
2	4c x16 Sq .mm Al. XLPE,Ar Cable	2	Nos.			
3	4R X 4 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos.			
4	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos.			
5	3R X 6 Sqmm. Copper Cable in a suitable PVC FRLS conduits	4	Nos.			
	Total Amount ForPower Cable & Conduit Wiring					
D	Rawpower Socketes ,Ac Sockets Wiring					

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
1	Supply and run of 2 runs of 4.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multistrand FRLS wire from Main D.B. to split air – conditioners/ 16Amps Sockets in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	150	Mtrs.			
2	Supply and run of 2 runs of 6.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multistrand FRLS wire from Main D.B. to split air – conditioners in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	40	Mtrs.			
3	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multistrand FRLS wire from Main D.B. to 6Amps Sockets for Works station Points in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	75	Mtrs.			
4	Supply and fixing of 25 A switched socket with indicators in modular box For Split A/c control.	3	Nos.			
5	Supply and fixing of 16A switched socket with indicators in modular box For utility	4	Nos.			
6	Supply and fixing of 6A switched socket with indicators in modular box For work stations.	8	Nos.			
	Total Amount ForRawpower Sockets ,Ac Sockets Wiring					
E	UPS Wiring& Acessories works					
1	Supply and fixing of 32 A 4P. MCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.			
2	Supply and fixing of 32 A Three phase selector switch with indicators in separate steel sheet enclosures and necessary connections.	2	Nos.			
3	Supply and fixing of 32 A DPMCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.			
4	Supply, erection, testing and commissioning of single phase 12WAY, SPN MCBDB double door type, IP 42 powder coated for UPS and Emergency Lighting with (d-curve) 32A DP MCB – 1No as INCOMER, 10A SP MCB – 6 Nos.,25ASP MCB - 1Nos as OUTGOING Including all interconnections & accessories etc.,	1	Nos.			
5	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multistrand FRLS wire circuits from UPS. D.B. to required places (work stations) in P.V.C. conduit pipes including chasing in walls / floor wherever necessary	150	Mtrs.			

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
6	Supply,fixing, testing & commissioning of 3No. 6A. 2/3 multi pin socket outlet in UPS circuit controlled with 1No. 6A one way switch in a steel sheet enclosure with 8 module top plate including dummies and incidental materials etc., for work stations.	10	Nos.			
Total Amount For UPS wiring & Aecessories Works						
F	Light Fitting Supply & Erections					
	Notes : As per Site Conditions with necessary job etc.					
1	Supply and fixing of 2' x 2'36 - W LED Fitting. CRCA fabricated enclosure with polycarnote diffuser and illumination area minium 380 mm suitable for Surface /recessed mounting POP/T Grid. Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling with necessaryaccessories required for the job.	15	Nos.			
2	Supply and fixing of 18W LED, square type down lighters. CRCA fabricated enclosure with polycarnote diffuser and illumination area minium 380 mm suitable for Surface /recessed mounting POP/T Grid, Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling 10W white square LED Down Lighter with necessaryaccessories required for the job.	1	Nos.			
3	4 feet 1 X 18 W LED tube light cool white 6000 K with intergerated driver working range from 90 - 260 V AC , PF>0.9 Fitting with necessaryaccessories requiredfor the job.(Locker,cash, record rm)	8	Nos.			
4	2 feet 1 X 10 W LED tube light cool white 6000 K with intergerated driver working range from 90 - 260 V AC , >0.9 Fitting with necessaryaccessories requiredfor the job.(Toilet & Mirror Light)	3	Nos.			
5	Supplying, fixing and Commissioning of wall mounting fan. Make: Crompton greaves – SDX 120 model	5	Nos.			
6	Supply and installation of 9" size medium duty exhaust fan. (Toilets) Almonard make	2	Nos.			
7	Supply and installation of 12" size medium duty exhaust fan. (UPS Room) Almonard make	1	Nos.			
8	Supply and fixing of 48" 1200mm ceiling fan high speed Crompton greaves make in anchor hook for mounting fan	2	Nos.			
Total Amount For Light Fitting Works.						
G	Earthing					

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
1	Providing and fixing of chemical earth electroad made out of 50mm dia class-B Asahalock or equevalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcole,saltoreign soil, water pouring arrangements brick massionry encloser on top with R.C.C cover complete with labour and material as per direction of Engineer-in-	2	Nos.			
2	Supplying,laying and connecting 1Rx6 sq.mm. FRLS pvc multistrand Copper wire in suitable FRLS PVC conduit, open fashion with necessaryclamps, screws, etc. as earth link.	30	Mtrs.			
3	Supplying,laying and connecting 300mm.long 25 x 3 mm.Copperflat with SMC/ DMCIinsulators in open fashion with necessaryclamps, screws, etc. as earth link.	4	Nos.			
4	Supplying,laying,connecting 10SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	75	Mtrs.			
5	Supplying,laying,connecting 8SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	50	Mtrs.			
	Total Amount For Earthing Works					
H	Television & Telephone & Lan Wiring ,Miscellianeous					
	Television Wiring					
1	Supply and fixing of RG 6 , television socket, 3 x 6A socket & 16 Amps switch outlet in modular box.	1	Nos.			
2	Supply and run of RG 6 type CO - axial cable	25	Mtrs.			
	Telephone Wiring					
3	Supply and fixing of RJ 11, telephone socket, outlet in modular box.	7	Nos.			
4	Supply and run of 2 pair telephone cable in suitable PVC conduit from telephone outlet	200	Mtrs.			
	Lan Wiring					
5	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in walls / floors from hub to necessary stations.	200	Mtrs.			
6	Supplying, fixing testing commissioning of RJ-45 data sockets in separate enclosure including all incidental materials etc., complete.	8	Nos.			

ELECTRICAL WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
7	Supply, fixing, testing & commissioning of 9U Hub Rack with Power Cord and accessories	1	Nos.			
8	Supply, fixing, testing & commissioning of jack panel 24 Port..	1	Nos.			
9	Supply, fixing, testing & commissioning of 24 port switch 10/100 Mbps including connections.	1	Nos.			
10	Supply and installation of 1 m long patch chord.(CAT 6)	8	Nos.			
11	Supply and installation of 2 m long patch chord. (CAT 6)	8	Nos.			
	Miscellaneous					
13	Temporary for Lightpoints,Workstation wiring & Data Cable Laying With All Necessary Required job etc.	1	L/S			
14	Buyback old and unwanted materials. (to be deduct)*					
	Total Amount For Television & Telephone & Lan Wiring , Miscellaneous					

HVAC WORKS

Client : Punjab & Sind Bank , Chennai ZO.,						
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch						
Subject: Bill of Quantity - HVAC works						
Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	HVAC WORKS					
1	Supply and installation of 1.5 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 4KVA Voltage stablizer installation of out door units complete including all civil Works	2	Nos.			
2	Supply and installation of 2.0 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 5KVA Voltage stablizer installation of out door units complete including all civil Works	1	Nos.			
2	Supply and installation of Ms (Mild Steel) cages made of 1/2" x 1/2" Ms square bars for out door unit size 3' - 6" x 2' - 6" including civil works and open arrangement in top and painting with 2 coats of synthetic enamel paint over a primer coat	3	Nos.			
3	Supply & Laying of PVC Drain Piping for Split AC Units	10	Mtrs.			
4	Supply and installation of 3 /4 " dia additional copper piping	5	Mtrs.			
	GRAND TOTAL (HVAC - WORKS)					

CCTV WORKS

Client : Punjab & Sind Bank , Chennai ZO.,

Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch

Subject: Bill of Quantity - CCTV works

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
	CCTV WORKS					
1	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in ceiling / walls / floors from hub to necessary stations.	200	Mtrs.			
2	Supply of Hikvision turbo HD IR Outdoor Bullet Camera 20Mtrs	1	Nos.			
3	Supply of Hikvision turbo HD IR Indoor Dome Camera 20Mtrs range	12	Nos.			
4	Supply of Hikvision HD 8 Channel DVR	2	Nos.			
5	Supply of 4TB HDD	1	Nos.			
6	Supply of 20Ams 12V DC Power Supply for Cameras	1	Nos.			
7	Supply of BNC Connectors & DC Pin Connectors for Cameras &	1	Nos.			
8	Supply of 9U Wallmount Rack with Accessories	1	Nos.			
	Installation Charges					
9	Laying of CCTV Cat - 6 Cable Through out PVC Conduits	200	Mtrs.			
10	Camera Fixing & Termination	11	Nos.			
11	DVR Installation and remote view	1	Nos.			
12	9U Wallmount Rack Fixing, Patching and Dressing	1	Nos.			
	GRAND TOTAL (CCTV - WORKS)					

ATM WORKS

Client : Punjab & Sind Bank , Chennai ZO.,						
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch						
Subject: Bill of Quantity - ATM works						
Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
I	Electrical Works					
A	Light Point Wiring					
B	Main Supply (Primary Distribution) Mcb db,					
C	Power Cable & Conduit Wiring					
D	Rawpower Socketes ,Ac Sockets Wiring					
E	UPS Wiring& Aecessories works					
F	Light Fitting Supply & Erections					
G	Earthing					
H	Lan Wiring					
I	Airconditioning works					
	Total For Elecctrical Works Amount					
	GRAND TOTAL (ATM ELECTRICAL WORKS)					
A	Light point Wirng					
1	Supply and run of 3Rx1.5 sq.mm. FR pvc multistrand Copper wire in suitable FRLS PVC conduit, having 6A modular switch on modular PVC/GI box for the following points					
2	Primary point	1	Pts			
3	Secondary point	3	Pts			
4	1 No. 6A socket controlled by single switch in switch board	1	Pts			
5	Supply and laying 2x2.5 1 x 2.5 sq.mm. PVC insulated copper for lighting circuit main.	25	Mtr			
6	Wiring for Name Board lighting circuit using 3R 4.0 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 20mm PVC conduit to be on wall complete with all accessories.	10	Mtr			
	Total Amount For Light Point works					
B	Main Supply (Primary Distribution) Mcb db					

ATM WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
1	Supply, Installation, Testing and Commissioning of 4WAY VERTICAL TYPE TPN MCBDB Double door type, IP 42 powder coated comprising of "C" curve MCB's for ATM DB Incomer - 40 A 4P MCB - 01 No,Outgoing - (A)10 A SP MCB - 3 Nos.,20 A SP MCB - 3 Nos.,40 A DP MCB - 2 Nos.	1	Nos.			
Total Amount For Mcb Board works						
C	CABLES					
	Supplying, laying, testing & commissioning of PVC / LT insulated 1.1KV grade armoured conductor cables of the following sizes, clamping on to the wall as per site condition.					
1	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	20	Mtrs.			
	TERMINATIONS					
	Terminating, Connecting and Commissioning of the above under Ground cables with compression type SIBG Cable glands.The cost of earthing gland with copper strips/wires shall also be included. The cables shall be terminated with aluminium lugs after crimpin					
2	4R X 6 Sqmm. & 2R X 2.5 Copper Cable in a suitable PVC FRLS conduits	2	Nos.			
Total Amount ForPower Cable & Conduit Wiring						
D	Rawpower Socketes ,Ac Sockets Wiring					
1	Supply and run of 2 runs of 4.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multristrand FRLS wire from Main D.B. to split air – conditioners/ 16Amps Sockets in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	20	Mtrs.			
2	Supply and run of 2 runs of 4.0 sq.mm. For phase,netural and 1 run of 2.5 sq.mm for earth PVC multristrand FRLS wire from Main D.B. to split air – conditioners in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	20	Mtrs.			
3	Supply and run of 3 runs of 2.5 sq.mm.phase,Netural, earth PVC multristrand FRLS wire from Main D.B. to 6Amps Sockets for Works station Points in P.V.C. conduit pipes including chasing in walls / floor wherever necessary.	25	Mtrs.			
4	Supply and fixing of 25 A switched socket with indicators in modular box For Split A/c control.	2	Nos.			

ATM WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
5	Supply and fixing of 16A switched socket with indicators in modular box For utility	2	Nos.			
6	Supply and fixing of 6A switched socket with indicators in modular box For work stations.	2	Nos.			
Total Amount For Rawpower Sockets ,Ac Sockets Wiring						
E	UPS Wiring & Accessories works					
1	Supply and fixing of 40 A 4P. MCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.			
2	Supply and fixing of 40 A Three phase selector switch with indicators in separate steel sheet enclosures and necessary	1	Nos.			
3	Supply and fixing of 25 Amp Automatic change over switch for connecting branch UPS and ATM UPS metal sheet enclosure with necessary Interconnections, cable box, brackets, screws, bolts, nuts, etc.	1	Nos.			
4	Supply and fixing of 40 A DPMCB as input control in separate steel sheet enclosures and necessary connections.	2	Nos.			
5	Supply & Laying of 2 runs of 6.0 Sqmm and single run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid PVC conduit from UPS output to UPS DB control switch and to UPS DB.	10	Mtrs.			
6	Supply, erection, testing and commissioning of single phase 6 WAY, SPN MCBDB double door type, IP 42 powder coated for UPS and Emergency Lighting with (d-curve) 32A DP MCB – 1No as INCOMER 10A SP MCB – 4 Nos. as OUTGOING, Including all interconnections & accessories etc.,	1	Nos.			
7	Supply and run of 3 runs of 2.5 sq.mm. phase, Neutral, earth PVC multistrand FRLS wire circuits from UPS. D.B. to required places (work stations) in P.V.C. conduit pipes including chasing in walls / floor wherever necessary	50	Mtrs.			
8	Supply, fixing, testing & commissioning of 3No. 6A. 2/3 multi pin socket outlet in UPS circuit controlled with 1No. 6A one way switch in a steel sheet enclosure with 8 module top plate including dummies and incidental materials etc., for work stations.	3	Nos.			
Total Amount For UPS wiring & Accessories Works						

ATM WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
F	Light Fitting Supply & Erections					
1	Supply and fixing of 18W LED, square type down lighters. CRCA fabricated enclosure with polycarbonate diffuser and illumination area minimum 380 mm suitable for Surface /recessed mounting POP/T Grid, Phillips / Wipro / CromptonGreaves/Elenserve make in false ceiling 10W white square LED Down Lighter with necessary accessories required for the job.	4	Nos.			
	Total Amount For Light Fitting Works.					
G	Earthing					
1	Providing and fixing of chemical earth electrode made out of 50mm dia class-B Asahalock or equivalent 2m length with copper plate made out of 600x600x3.15 mm tinned copper plate along with one number 40x5mm tinned copper strip grazed with the plate buried vertically with top edge of the plate at a depth of 1500 mm with arrangements for termination of copper strip of earth continuity conductor including cost of charcoal, salt foreign soil, water pouring arrangements brick masonry enclosure on top with R.C.C cover complete with labour and material as per direction of Engineer-in-charge	2	Nos.			
2	Supplying, laying and connecting 1R x 6 sq. mm. FRLS PVC multistrand Copper wire in suitable FRLS PVC conduit, open fashion with necessary clamps, screws, etc. as earth link.	15	Mtrs.			
3	Supplying, laying and connecting 300mm long 25 x 3 mm. Copper flat with SMC/ DMC Insulators in open fashion with necessary clamps, screws, etc. as earth link.	2	Nos.			
4	Supplying, laying, connecting 10SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	15	Mtrs.			
5	Supplying, laying, connecting 8SWG bare enamelled copper wire already laid PVC Conduits with necessary clamps, screws etc.	15	Mtrs.			
	Total Amount For Earthing Works					
H	Lan Wiring					
1	Supply and run e-cat 6, 6pair 0.5 sqmm data cable for computers in separate PVC conduit pipes including chasing in walls / floors from hub to necessary stations.	50	Mtrs.			

ATM WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
2	Supplying, fixing testing commissioning of RJ-45 data sockets in separate enclosure including all incidental materials etc., complete.	2	Nos.			
3	Supply and installation of 1 m long patch chord.(CAT 6)	2	Nos.			
4	Supply and installation of 2 m long patch chord. (CAT 6)	2	Nos.			
Total Amount For Lan Wiring						
I Airconditioning works						
1	Supply and installation of 1.5 TR Capacity high Wall Split Air Conditioner 5 Star Rated (voltas/carrier / blue star/Samsung) including 4KVA Voltage stablizer installation of out door units complete including all civil Works	2	Nos.			
2	Supply and installation of Ms (Mild Steel) cages made of 1/2" x 1/2" Ms square bars for out door unit size 3' - 6" x 2' - 6" including civil works and open arrangement in top and painting with 2 coats of synthetic enamel paint over a primer coat	2	Nos.			
3	Supply & Laying of PVC Drain Piping for Split AC Units	3	Mtrs.			
4	Supply and installation of 3/4 " dia additional copper piping	5	Mtrs.			
5	Supply and installation of 0-24 hr cyclic timer along with 25A 2pole air break contractors with MS box	1	No.			
Total Amount ForAirconditioning Works						

Client : Punjab & Sind Bank , Chennai ZO.,						
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch						
Subject: Bill of Quantity - FAS works						
Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
A	FAS WORKS					
B	BURGULAR ALARM WORKS					
	GRAND TOTAL (FAS WORK)					
	FASWORKS					
1	Supplying, installation, testing & commissioning of heat detector operating at 54°C/57°C with rate of rise cum fixed temperature (dual thermistor) type with mounting base complete with all connection etc. as required.	2	Nos.			
2	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc. as required	10	Nos.			
3	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required	2	Nos.			
4	Supplying, installation, testing & commissioning of manual call box of ABS type in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required.	1	Nos.			
5	Supplying, installation, testing & commissioning response indicator on surface/recess MS box having two LEDs metallic cover complete with all connections etc. as required.	5	Nos.			
6	Supplying, installation, testing & commissioning fire alarm sounder with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required.	2	Nos.			

CCTV WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
7	Supplying, installation, testing & commissioning talk back slave station in surface/recess suitable for operation on simplex mode complete with P.T.T. knob & speaker/microphone enclosed in a M.S.(16 SWG)/ ABS box with break glass in front etc. complete as required	1	Nos.			
8	Supplying, installation, testing & commissioning sector panel suitable for following zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS:2189 with mimic diagram for all area/zone covered, complete with all connections,interconnections as required. 8 Zone	1	Nos.			
CABLING WORKS						
9	Supply and wiring with 2C x 1.5 sq.mm FR twisted pair shielded,1.1KV grade PVC insulated unarmoured copper conductor cable, PVC overall sheathed cable in already laid conduit with interconnections complete as required and as directed by EIC.(For fire detector)	100	Mtr			
GRAND TOTAL (FAS - WORKS)						
Burgler Alarm works						
1	Supplying, installation, testing & commissioning of Alarm control unit with mounting base complete with all connection etc. as required.	1	Nos.			
2	Supplying, installation, testing & commissioning AC/DC Hooters (2) with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as requiredCost of	2	Nos.			
3	Supplying, installation, testing & commissioning of Batery Backup with complete with all connection etc. as required.	1	Nos.			
4	Supplying, installation, testing & commissioning of Day Night operational points complete with all connection etc. as required.	4	Nos.			
5	Supplying, installation, testing & commissioning of Auto dialing system (7 Nos canbe preprogrammed in any language) (securico make) complete with all connection etc. as required.	1	Nos.			

CCTV WORKS

Sl. No	Description of Item	Qty.	Unit	Rate in numbers	Rate in words	Amount in Rs.
6	Supply and wiring with suitable cable FR twisted pair shielded, 1.1KV grade PVC insulated unarmoured copper conductor cable, PVC overall sheathed cable in already laid conduit with interconnections complete as required	1	Nos.			
GRAND TOTAL (BURGULAR ALARM - WORKS)						

Client : Punjab & Sind Bank , Chennai ZO.,		
Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajahalli Branch		
Subject : Make of materials- Interior Works		
MAKES OF MATERIAL		
1	Wood	Teak wood
2	Grid Ceiling	Armstrong / Daikin
3	Gypsum board	India Gypsum Ltd / La gyp /equivalent
4	Veneer	Uro / Garnet
5	Granite	Black colour g-20, Tiger black
6	Laminate	Merino / Greenlam / Asis / Century / Archid
7	Glass	Saint Gobain,Modi guard
8	Flush door	Greenply /Asis / IDEAL PLY , Assam Prestige make
9	Marine plywood	Century Shiny / Swing
10	Commercial plywood	Century Shiny / Swing / Assam top / Green line / Omega / Archid
11	Door closers	Ozone / Dorma / Ebco
12	Floor spring / Patch fittings	Ozone / Dorma / Ebco
13	Furniture hardware	Dorset / Godrej / Ebco / Hettich
14	Melamine coat	Asian or equivalent
15	Putty	Asian / Birla putty/ Jk putty
16	Paints	Asian paints / ICI Dulux / Berger
17	Texture	Terraco / Novatex
18	Adhesive	Fevicol SH , Araldite
19	Mortise locks	Godrej / Dorset/Monarch
20	Cylindrical lock	Godrej / Dorset/Monarch

Client : Punjab & Sind Bank , Chennai ZO.,

Project: Proposed Interior Enhancement for Punjab & Sind Bank - Vajarahalli Branch

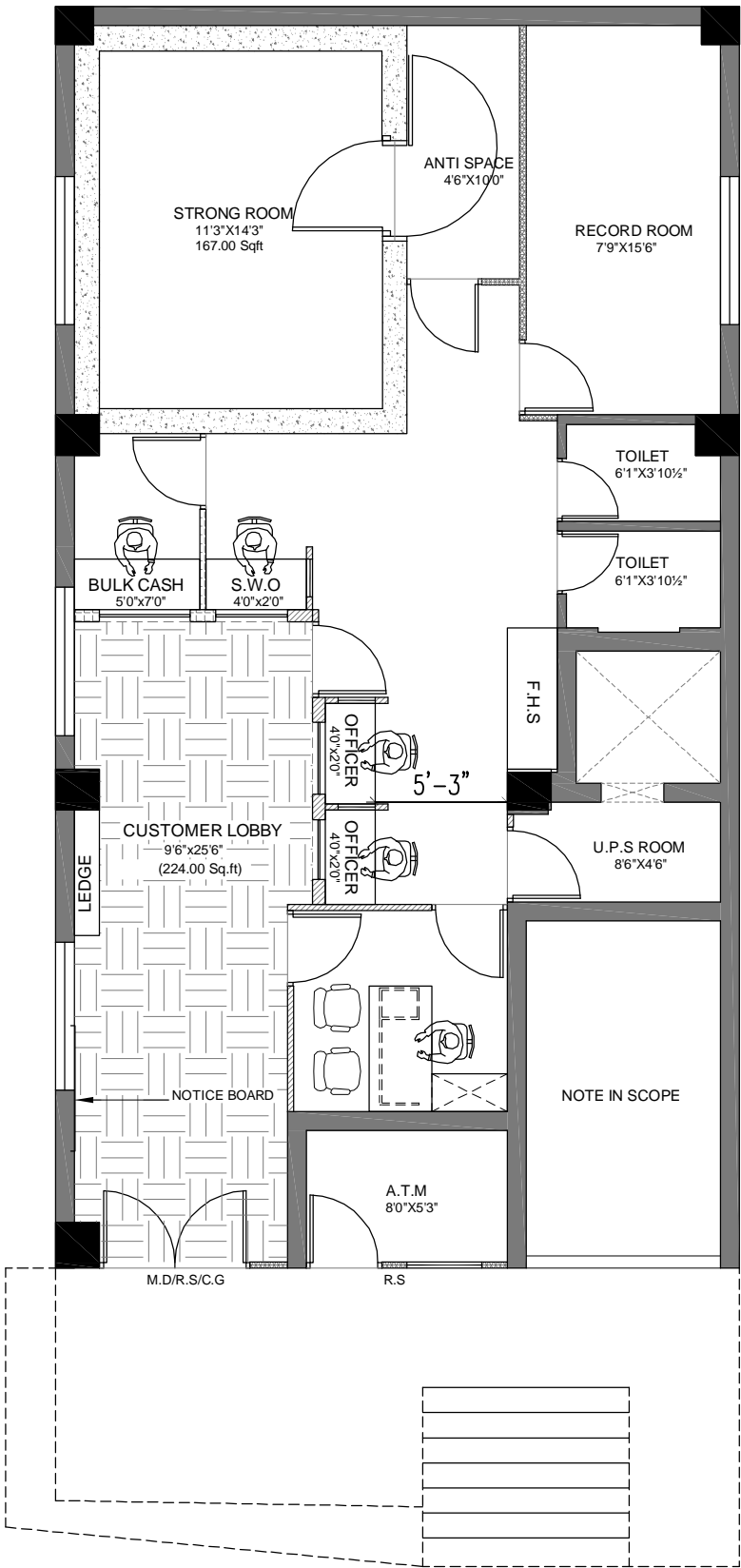
Subject : Make of materials- Electrical / cctv / Fire alarm Works

S.No	ITEM	MAKES
1	CABLES ISI MARK, 11000V (GRADE)	ANCHOR, POLYCAB, SUNCAB.
2	WIRES: 660V GRADE ISI MARK	ANCHOR, POLYCAB, SUNCAB.
3	ERW M.S.CONDUITS ISI MARKS	MOTI, GEMINI, ISI MARK
4	CASING CAPPING & ACCESSORIES	MOTI, GEMINI, ISI MARK
5	TRUNKINGS & TRUNKLINKS	MK, MOTI, GEMINI, ISI MARK
6	PVC CONDUITS	MOTI, GEMINI, ISI MARK
7	5A /6A PLATE TYPE SWITCHES	ANCHOR ROMA, NORTH WEST, MK & SOCKETS, ISI MARK
8	CEILING ROSES, HOLDRES	ANCHOR.
9	BUZZERS, BELLPUSH, BELLS	MK, ANCHOR.
10	DISTRIBUTION BOARDS, MCB's	MDS, SIEMENS, HAGER,C&S
11	ELCB/RCCB	MDS, SIEMENS, HAGER,C&S
12	LIGHT FITTINGS	PHILIPS, WIPRO, CROMPTON GREAVES ,ELENSEVE
13	FANS AND EXHAUST FANS	CROMPTONS, GEC.
14	REWIRABLE SWITCH FUSE UNITS	KEW, BOSMA, STANLEY,
15	CUT-OUT'S	KEW, BOSMA, STANLEY,
16	HRC SWITCH FUSES UNITS	GEC ALSTHOM, L&T, and SIEMENS.ABB
17	TEAK FRAMED SWITCH:	SPEACIAL QUALITY BOARDS AVAILABLE IN MARKET
18	BUS-BAR CHAMBERS	STANLEY, KEW,
19	CABLE GLANDS & LUGS	SIEMENS, DOWELS
20	INDUSTRIAL SOCKETS	MK, CROMPTON, MDS, SIEMENS,C&S
21	15A SWITCH, SOCKETS	MK, ANCHOR ROMA, NORTH WEST,
22	16A DP SWITCHES WITH FUSE	ANCHOR.
23	GEYSERS/WATER HEATER	SPHERE HOT, RACOLD, USHA.
24	TELEPHONE WIRES	DELTON, FINOLEX.
25	FLOURESCENT TUBES & BULBS	PHILIPS, CROMPTON, OSRAM. BAJAJ, ELENSEVE
26	G.I. B-CLASS PIPES (ISI)	ITC, PRAKASH
27	ELECTRONIC REGULATORS	MK, ANCHOR
28	CONTACTORS	L&T, SIEMENS.
29	MCCBs	L&T, GE, ABB, SIMENS
30	MEASURING INSTRUMENTS	A.E., IMP, MECCO,
31	C.T	A.E., IMP, MECCO, SIEMENS.

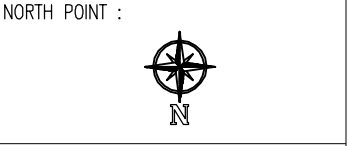
S.No	ITEM	MAKES
32	CAPACITORS	CROMPTON, ASIAN, L&T.
33	P.F. RELAY	L&T, CROMPTON.
34	TELEPHONE OUTLETS:	ANCHOR ROMA, NORTH WEST, MK
35	CEILING FANS	CROMPTON GREAVES / KHAITHAN/ USHA Model to be appd. By the architect.
36	EXHAUST FANS	ALMONARD / CROMPTON
37	LAN SWITCHES / JACKS	D - LINK , AMP, SYSCO
38	DATA SOCKETS	D - LINK , AMP, SYSCO
39	NET WORKS RACK & SWITCH	D - LINK , AMP, SYSCO
40	SPEAKERS	AHUJA ,PHILIPS
41	CCTV WITH ACCESSORIES	HIKVISION / AJHUA

NOTE: Apart from the above makes, any further equivalent make as approved by the bank, can also be used with prior permission from the bank.

Signature of the Contractor/Tendered (With Seal)



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- LEGEND:-**
- Existing wall
 - Existing column
 - Full Ht. Partition
 - Low Ht. Partition 4' Ht.
 - Glass Partition
 - Low Ht. Partition 7'0" Ht with deco grills.
 - Grill partition

CLIENT:
 PUNJAB & SIND BANK, CHENNAI Z.O

PROJECT :
 PROPOSED INTERIOR ENHANCEMENT FOR P&S BANK AT VAJARAHALLI BRANCH, CHENNAI Z.O.

DRAWING TITLE :
 INTERIOR LAYOUT - 02

- SCHEMATIC DRAWING WORKING DRAWING
 TENDER DRAWING AS BUILT DRAWING

SCALE : N.T.S	DATE: 16/02/2023	REV NO: 01
DRAWN BY : kalai	CHECKED BY: MUNI	
JOB NO : 2732/22	DWG NO : ARC - SCH - 01	

ARCHITECT :
NANDA & ASSOCIATES ARCHITECTS
 NO.36, SARASWATHI ILLAM, JANAKIRAM COLONY MAIN RD. JANAKIRAM COLONY., ARUMBAKKAM, CHENNAI - 600 106. TELEPHONE:044-23637420, E-mail:nandaarchitects@gmail.com

INTERIOR LAYOUT - 01