

# INDIAN BANK

TENDER DOCUMENT

FOR

**INTERIOR FURNISHING, ELECTRICAL, LAN, UPS  
SYSTEM, AIR CONDITIONING & ATM WORK**

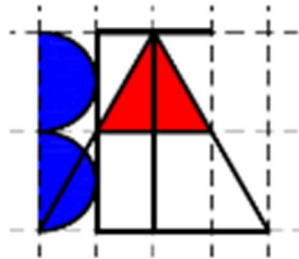
AT

**KAKROLA  
NEW DELHI-110078.**

**Date of Issue : - 03/02/2024.**

**Date of Submission : - 12/02/2024 Up to 2:30 PM.**

**ARCHITECTS**



**BURMAN ET.AL**

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**ISSUED TO:-.....**

## SECTION – I

### INVITATION TO TENDERS

- 1.0 Sealed tenders on item rate bases are invited in the prescribed form by the **Zonal Manager, Indian Bank, Zonal Office South, Parliament Street, New Delhi** for **Interior Furnishings, Electrical, LAN, UPS System, AC & ATM Work.**

Tender No.	Name of Work	Earnest Money	Time of Completion
IB/ ZO /SZ/KA DL/01/2023-2024.	Interior, Electrical, Data/Voice Air-conditioning & atm work at kakrola, New Delhi.	15, 000 /- in the Form of DD	30 Days

- 1.1 The work as detailed in this tender shall be executed and completed in all respect with in a period of **30 Days** from the date of written order to commence the work in accordance with the tender documents, Instruction to tenders, Technical specification, Schedule of Quantities, Condition of contract, Schedules and drawings, to the satisfaction of Architect / Employer.
- 1.2 The Tender(s) are required to deposit **Rs.15, 000/-** as Earnest Money along with the tender document in the form of crossed Demand Draft only favoring **Indian Bank, Zonal Office South**, and payable at **Indian Bank, Zonal office South**.
- The Earnest Money will be refunded without any interest to the unsuccessful tenders after a decision is taken regarding award of contract.
- 1.3 Tenders filled in the prescribed form in sealed covers and super scribed with the name of work, Tender No. **IB/ZO/SZ/KA/DL/01/2023-24** must be submitted to the **Zonal Manager, Indian Bank, Zonal Office South, Parliament Street, New Delhi**, not later than **2.30 P.M** on **12/02/2024**. Tenders will be opened on the same day at **3.00 P.M.** in the presence of tenders or their representatives. **Any correction/alteration made using “Correcting Fluid” will not be accepted and tender will be liable to be rejected.**
- 1.4 Tender documents will be mailed to the empanelled contractors by the Architect. Same to be submitted to **Indian Bank, Zonal Office South**, with **Rs.1,000/-** Demand Draft (Non-Refundable) as tender fees, addressed to **Indian Bank, Zonal Office South**. Without the said DD, the bid will be summarily rejected.
- 1.5 The drawings are enclosed along with set of specifications.
- 1.6 Rate must be quoted for complete work at site inclusive of all costs, charges, taxes etc but excluding GST on WCT. All duties, E.S.I. charges etc. as applicable at **New Delhi** central or state sales Tax, Octopi, Royalties etc. on works and materials required for use in the execution of this project shall be entirely borne and payable by the contractor and the Employer will not entertain any claim whatsoever in this respect **except GST on WCT**.
- 1.7 The tenders shall remain valid for acceptance by the Employer, for a period of 3 month from the date of opening of tender.
- 1.8 Total Deposit shall comprise of :
- a) Earnest Money Deposit (Adjustable without interest).
- b) Tender Fees (Non refundable).
- 1.8.1 The retention percentage (i.e. deduction from interim bill) shall be 5% of the gross value of each interim bill.
- 1.8.2 Total retention amount is refunded to the contractor subject to the following :-
- (1) Issue of virtual completion certificate by the Architect / Premises department.
- (2) Contractor should remove his material, equipments, labour force, temporary sheds / stores etc. from the site

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The retention money may be refunded without any interest 7 ( Seven ) days after the end of defects liability period of ONE YEAR provided he has satisfactorily carried out all the work and attended to all defects in accordance with the conditions of the contract .

- 1.8.3 Earnest money of the successful tender will be liable to be forfeited in the event of refusal or delay on his part in deposit initial security deposit and signing the agreement within 7 (seven) days , of the issue of letter of award of the work.
- 1.8.4 Tender documents duly filled and signed by the tender shall be submitted for the work.
- 1.8.5 The Indian Bank and their approved architect, do not bind itself to accept the lowest or any tender, or to assign any reason thereof and also reserves the right of accepting the whole or part of the tender and the tender shall in such an event be bound to perform the contract at the same rates quoted in the tender for the various items of the work.
- 1.8.6 Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing from shall be liable for rejection.
- 1.8.7 The tendering firms, in case the tender is a partnership firms, shall submit the tender signed by all the partners. In the event of absence of any partner , it must be signed on his behalf by a person holding power of attorney authorizing him to do so and such power of attorney be attached along with the tender .

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**APENDIX SHOWING IMPORTANT SCHEDULES**

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| 1. | NAME OF WORK                                   | : | <b>Interior Furnishing, Electrical, LAN, UPS Wiring, AC &amp; ATM work at Kakrola, New Delhi - 110078.</b>          |
| 2. | SIGNING THE AGREEMENT                          | : | Within 07 Days of the issue of letter of intend / order.  |
| 3. | DATE OF COMMENCEMENT OF WORK                   | : | Within 07 Days of issue of letter of intend / order or the day on which site is handed over to contractor.          |
| 4. | PERIOD OF COMPLETION                           | : | 30 DAYS from the tender date of commencement of work.   |
| 5. | LIQUIDATED DAMAGES                             | : | 2% of contract amount per week of delay subject to the max. of 10% of the accepted contracted sum.                  |
| 6. | PERIOD AND VALUE OF RUNNING / ON ACCOUNT BILL. | : | 75% of amount within 7 <sup>th</sup> days after date of receipt of architect certificate and balance within 21days. |
| 7. | INCOME TAX DEDUCTION                           | : | As prevailing rate from each bill.  |
| 8. | DEFECTS LIABILITY PERIOD                       | : | <b>12 Months</b> after completion of work.  |
| 9. | PERIOD OF FINAL MEASUREMENT                    | : | <b>2 Weeks</b> after virtual completion of work.  |

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**SECTION – 2**  
**INSTRUCTION TO TENDERS.**

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## INSTRUCTION TO TENDERS.

2.1 The tender shall examine carefully all the tender documents consisting of:–

- Invitation to Tenders.
- Instruction to Tenders.
- Form of Agreement.
- General Conditions of Contract.
- Schedule of Quantities.

These shall form part of the Agreement.

The tender is advised to visit and inspect the site at his own cost and responsibility and to secure all necessary information which may be required for completing the tender. Ignorance of site conditions cannot be an excuse for non-performance of the contract. All costs, charges and expenses that may be incurred by the tender in connection with the preparation of his tender shall be borne by him and the employer / architect does not accept any liability whatsoever in this regard.

2.2 Time is the essence of the contract and the tenders are required to complete the work in all respects within the stipulated time of completion and handover the same, complete in all respects to the satisfaction of the architect.

2.3 The tender should contain not only the rates but also the value of each item of work entered in the prescribed column of the B.O.Q. and all the items should be totaled up in order to show the aggregate value of the entire tender. The rates quoted by the tenders should be expressed accurately both in words and figures so that there is no discrepancy. All corrections in the tender shall be duly attested by initials of the tender, corrections, if not attested may entail rejection of tender. The rates quoted by the tenders in word in item rate tender will be the basis (and not the amounts in case of discrepancies) in finalizing the tender.

2.4 It shall be clearly understood that the rates quoted in the tender are to be, for complete work at site, as per instructions to Tenders, conditions of contract, specifications and drawings, addenda referred to therein and also for all such works as are necessary for the proper completion of the contract, although specifications thereof may not have been made in the specifications or drawings or tender documents. The rates shall be firm and shall not be subject to cost escalation on account of labour, material and labour conditions or any other reason whatsoever.

2.5 The tenders shall use only the form issued with this tender to fill up the rates.

2.6 Every page of the tender shall be signed on the left hand side bottom corner and any tender not so complied with is liable to be treated as defective & liable to be rejected.

2.7 In the event of a tender being selected for acceptance. The Indian Bank will inform the tender for the specification and other documents for the acceptance with tender. The successful tender shall also deposit the required amount of the security money within the prescribed time and if the tender fails to deposit the required amount of the security money within the prescribed period, Indian Bank may reject the tender.

2.8 The successful tender will be notified about the acceptance of his tender by the Employer and he will have to deposit balance amount initial security and executed agreement within 7 (Seven) days thereof, failing which his tender would be liable to rejection with forfeiture of the Earnest Money.

2.9 The tender shall fill up the complete form of article of agreement before submission of tender. Failure to comply may entail rejection of the tender.

2.10 The contractor will be governed by the Indian contract act, Indian sale of goods act and all other relevant laws. All payments due to the contractor under the contract will be made in Indian rupee currency.

2.11 The rate quoted shall be for complete work at site and should be inclusive of incidentals necessary for carrying out the work. The rates shall be inclusive of sales tax if applicable at **New Delhi** for work

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- contract, central or state sales tax, octopi duty, royalty, ESI or any other tax or duty levied by any government or public bodies excluding GST on WCT. The rate shall be firm and shall not be subject to cost escalation of labor, material and exchange variations, labor conditions and other conditions whatsoever.
- 2.12 A schedule of approximate quantities for various items accompanies this tender. It shall be clearly understood that neither the architect nor the employer will accept any responsibility for the correctness or completeness of this schedule in respect of item and quantities and this schedule is liable to alternations by omission, deduction or addition at the discretion of the employer in consultation with the architect without violating the items of the contract.
- 2.13 The contractor must produce latest income tax clearance certificate along with this tender.
- 2.14 Form of 'Tender of works' contained in section –3 shall be completed along with submission of tender. In case of failure to do so the tender is liable to rejection.
- 2.15 The employer does not bind itself to accept the lowest or any tender or to assign any reason thereof and also reserves the right of accepting the whole or part of the tender. The part acceptance will not violate the terms and conditions of the contract and will execute the work at the specified rates without any extra charges or compensation.
- 2.16 Income tax deductions will be made as per the prevailing rates from the contractor's on account bills.
- 2.17 No mobilization advance or secured advance is to be allowed to the contractor.
- 2.18 Power and water connection, if required, has to be arranged by the contractor only.
- 2.19 The Contractor should have been empanelled (Valid) from our Indian Bank and should have **local office in Delhi & NCR or Earlier worked with Indian Bank /Allahabad Bank, Delhi Zone. The Bidder should enclose the recent work order copy or work completion certificate letter for the same.**
- 2.20 The contractor/firm should have valid GST registration number for the particular trade of work.

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## SECTION - 3

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### FOR WARDING LETTER

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FROM:

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To:

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Ref.:

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Dear Sir,

1. With reference to the tender invited by you, I/ we hereby offer to perform, provide, execute and complete the works in conformity with conditions of contract, drawings and specifications for the respective items of schedule of quantities attached hereto.
2. I/ we have satisfied myself / ourselves as to the location and prevailing conditionings of the site, and have read carefully the articles of agreement, condition of contract, specification, general and special conditions, technical specifications etc, and I/We understand that the works are to be completed within **30 Days** from the date of commencement and fully understand that the time will be the essence of the contract.
3. I/We enclosed a demand draft for **Rs.15,000/-** drawn on Indian Bank payable at favor of the **Indian Bank, Zonal Office South**, as earnest money and fully understand that this amount will not bear any interest.
4. I/We agree to keep the offer for **3 months** from the date of opening the tender.
5. Should this tender be accepted in whole or in part, I/We hereby agree to abide by and fulfill and the terms and conditions annexed hereto. I/We fail to commence the work specified in tender documents , I/We agree that my / our earnest money shall stand for-feinted absolutely to the Employer otherwise the said Earnest money shall be retained by the Employer towards security deposit ( retention money) .
6. All the terms and conditions contained in the notice Inviting Tenders, Conditions of Tenders, General conditions of contract, specifications for execution of the work, additional conditions and the agreement etc. constituting the tender documents have been fully read by me/us and explained to me/us and I/We hereby accept the same and sign hereunder in token of their acceptance.
7. We are further enclosing herewith the following documents: -
  - i) Partnership Deed. Article of Association and power of Attorney. We agree that no change will be made in these documents without prior approval of the Indian Bank.
  - ii) Tender documents duly signed along with detailed program and targets of completion of each items work.
  - iii) Detail of deployment of manpower, machinery, plant and equipment.



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iv) Latest I.T.C.C

v) Demand Draft No. \_\_\_\_\_ Date \_\_\_\_\_ Drawn \_\_\_\_\_

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Name of the partners / Directors

Of the firm 1)

2)

Date: \_\_\_\_\_

Yours faithfully,

Witness: \_\_\_\_\_

Name & Sign. of Tenders (s) office

Stamp and seal of the Tenders (s).

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Occupation: - \_\_\_\_\_

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## **SECTION – 4**

### **AGREEMENT**

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## AGREEMENT

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This agreement made at \_\_\_\_\_ Day of \_\_\_\_\_, between the **Indian Bank, Zonal office South**, having its registered office at **Zonal Office South, 17, Parliament Street, New – Delhi-110001**. (Hereinafter called the Employer which expression shall include their heirs, executors, administrators and assignees) of the one part and M/S \_\_\_\_\_ (herein after called the 'Contractor') of the other part. Whereas the employer is desirous that work should be executed as per drawings and specifications describing the work to be done, to be prepared by their approved Architects and WHEREAS the said drawings, the specifications and the price schedule of quantities have signed by or on behalf of the parties hereto and WHEREAS the contractor has agreed to execute upon and subject to the conditions set forth herein and the said priced schedule of quantities at the respective rates mentioned in the priced schedule of quantities, which as part of the tender document.

And WHEREAS the contractor has deposited **Rs. 15, 000/-** as the Earnest Money with the Employer, which shall become part of security deposit to be until the expiry of the Defect liability period for the due observance of the contract.

### NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In consideration of the said contract, payments to be made to the said conditions execute and complete the works shown upon the said Drawings and such further detailed drawings as may be furnished to him by the said Architects and described in the specifications and the said priced schedule of quantities.
2. The employer shall pay the contractor such sums as shall become payable hereunder at the times and in the manner specified in the said conditions.
3. The said contract comprised the building above mentioned and all subsidiary works connect there within the same site as may be ordered to be done from time to time by the said Architects even, through such works may not be shown on the Drawings or described in the said specification or the priced schedule of quantities.
4. The Employer through Architect reserves to himself the right of altering the drawing and nature of the work and adding to or omitting any items of works, check of measurement, payment certificate, variation arising in view of change of scope of work and approval of rates of extra substituted items. The decision of the Employer shall be final and binding in this regard.
5. The Employer in consultation with the Architect reserves the right to exercise control on quality of work, check of measurement, payment certificate, variation arising, in view of change of scope of work and approval of rates of extra submitted items. The decision of the Employer shall be final and binding this regard balance retention money being deducted from my /our bills in accordance with the conditions of contract.
6. The following documents shall be deemed to form and constructed as part of this agreement along with the amendments, negotiated and confirmed in various subsequent latter exchanged as mentioned hereinafter and parties hereto will respectively abide by and submit themselves to the conditions and stipulations and perform the agreement on their parts respectively in such conditions contained.
  - i) Invitation to Tender.
  - ii) Instruction to Tenders.
  - iii) General Conditions of the contract.
  - iv) Technical Specifications.
  - v) Schedule of Quantities.
  - vi) Employer letter date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to the contractors awarding the contract.
  - vii) Contractors letter date \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to the Employer in acceptance of the award of contract.
7. All disputes arising out of or in any way connected with the agreement shall be deemed to have arisen at New Delhi only, the court in New Delhi shall have jurisdiction to determine the same.
8. The several parts of this contract have been read to us and fully understood by us.

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Witness our hand this..... day of .....2022.

SIGNED BY THE SAID .....  
(EMPLOYED)

IN THE PRESENCE OF .....

ADDRESS .....

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SIGNED BY THE SAID .....  
(CONTRACTOR)

IN THE PRESENCE OF .....

ADDRESS .....

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## SECTION – 5

### GENERAL CONDITION OF CONTRACT

Except where provided for in the description of the individual items in the schedule of quantities and in the specifications and conditions laid down hereinafter and in the drawing. The work shall be carried out as per standard specifications and under the direction of employer / Architect.

#### 1. INTERPRETATION

In construing these conditions, the specifications, the schedule of quantities, tender and agreement, the following words shall have meaning herein assigned to them except when the subject or context otherwise required.

- i) Employer: The term employer shall mean Indian Bank having their head office at 66, Rajaji Salai, Chennai and any of its employees representative authorized on their behalf.
- ii) Architect: The term architect shall mean the approved architects of Indian Bank or in the event of his / their ceasing to be the architect for the purpose of this contract such other person/s as the employer shall nominate for the purpose.
- iii) Contractor: The term contractor shall mean Company, firm or the party to whom the Contract is awarded and shall include his / their legal representative(s) or successor(s).
- iv) Site: Shall mean the places or buildings envisaged by the employer where the work is to be executed or carried out.
- v) Site Engineer: The bank may appoint the site engineer. The bank may also determine the number of site engineer 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 charge of his post before the contractor reports on site of work. Where more than one site engineer is appointed, one of them shall be designated as senior site engineer by the premises department and the other site engineer shall be reporting to the senior site engineer.
- vi) Drawings: 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 instruction, which may be given by the employer during the execution of 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 / Architect shall be given access to such drawings or schedule of quantities whenever necessary.

In case any detailed drawings and necessary contractor shall prepare such detailed drawing and / or dimensional sketches therefore and have it confirmed by the employer / Architect prior to taking up such works.

The contractor shall ask in writing for any clarification on matters occurring anywhere in drawings, specifications and schedule of quantities or to additional instructions at least 10 days ahead from the time when it is required for implementation so that the employer may be able to decision thereon.

- vii) “The Works” shall mean the work or works to be executed or done under this contract.
- viii) “Act of Insolvency” shall mean any act as such as defined by the presidency town’s insolvency act or provisional insolvency act or any amending statutes.
- ix) “The schedule of quantities” shall mean the schedule of quantities as specified and forming part of this tender.
- x) “Priced schedule of quantities” shall mean the schedule of quantities duly priced with the accepted quoted rates of the contractor.

#### 2. SCOPE

The work consists of **Interior furnishing, Electrical, LAN, UPS System, Air Conditioning & ATM work at Kakrola, New Delhi.** In accordance with the “drawings” and “Schedule of quantities”. It includes furnishing all material, labor, tools and equipment and management necessary for the incidental to the construction and completion of the work. All works, during its progress and upon completion, shall confirm

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to the lines, elevations and grades as show on the drawings furnished by the employer / architects. Should any detail essential for the efficient completion of the work to be omitted from the drawings and specifications, it shall be responsibility of the contractor to inform the employer / architects and to furnish and install such detail with employer's / architect's concurrence, so that, upon completion of the proposed work, the same will be acceptable and ready for use.

Employer/ Architect 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 and 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 maintenance period (retention period)

The Contractor shall forthwith comply and duly execute any work comprised in such employer / Architect's Instructions provided always that verbal instructions, directions and explanations given to the contractor or his representative upon the works by the employer / Architects shall, if involving a variation, be confirmed in writing to the Contractor within seven days. No work, for which rates are not specifically mentioned in the priced schedule of quantities, shall be taken up without written permission of the employer / architect. 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 available, only products bearing ISI marking shall be used in the work.

### **3. TENDER SHALL VISIT THE SITE**

Intending tender shall visit the site and make him thoroughly acquainted with the local site condition. Nature and requirement of the works, facilities of transport condition effective labor and materials, access and storage for material and removal of rubbish. The tender shall provide in their tender for cost of carriage, height 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 drawings. The successful tender will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the employer / architects might be deemed to have reasonably been inferred to be existing before commencement of work.

### **4. TENDERS**

The entire set of tender paper issued to the tender should be submitted fully priced also signed on the last page together with initials on every page. Initial / signature will indicate the acceptance of the tender paper by the tender.

The schedule of quantities shall be filled in as follows: -

- i) The rate column to be legibly filled in ink in both English figures and words.
- ii) Amount column to be filled in for each item and the amount for each subhead as detailed in the "Schedule of Quantities".
- iii) All corrections to be initialed.
- iv) The rate column for alternative items shall be filled up.

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- v) The “Amount” column for alternative items of which the quantities are not mentioned shall not be filled up.
  - vi) In case of any error / omissions in the quoted rates, the rates given in the tender marked “Original” shall be taken as correct rates.

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

The employer reserved 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 tenders should not that tender is strictly on the item rate basis and their attention is drawn to the fact that the rates for each and every item should be correct, workable and self-supporting. It called upon by the employer / architects detailed analysis of any or all the rates shall be submitted. The employer / architect shall not be bound to recognize the contractor’s analysis.

The work will be paid for as “measured work” on the base of actual work done and not as “lump sum” contract.

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

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 tender shall note that his tender shall remain open for consideration for a period of 3 months from the date of opening of the tender.

## **5. AGREEMENT**

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

## **6. GOVERNMENT AND LOCAL RULES**

The contractor shall confirm to the provisions of all local bye-laws and acts relating to work and to the regulations etc. of the govt. and the 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 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 restoration etc. and shall indemnify the employer against such liabilities and shall defend all actions arising from such claim or liabilities.

## **7. TAXES AND DUTIES**

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

## **8. PROVISIONAL SUM (P.S.)**

All provisional sums described in the schedule of quantities as P.S. shall be exclusively allotted to the purchase of material and not for any handling and fixing to be done by the contractor. Such cost 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 amount cover under this head will be absolutely at the discretion of the employer. Contractor is to make payments for these materials to the supplier on certificate or order issued by the employer / architect and release them through his bills from the employer.

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**9. QUANTITIES OR 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 employers reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore.

**10. OTHER PERSONS ENGAGED BY THE EMPLOYER**

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

**11. EARNEST MONEY DEPOSIT**

The tender will have to deposit an amount of **Rs. 17, 000/-** in the form of bank draft drawn in favor of **Indian Bank, Zonal Office South**, at the time of submission of tender as an earnest money. The employer is not liable to pay any interest on the earnest money. The earnest money of the unsuccessful tenders 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.

**12. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:**

The contractor shall provide everything necessary for the proper execution of works according to the intent and meaning of the drawings, specifications and Schedule of Quantities taken together whether the same may or may not be particularly shown or described therein, provided that the same can reasonably be inferred there from and if the Contractor finds any discrepancy in the drawings or between the drawings, general conditions, specifications and Schedule of Quantities, he shall immediately refer the same in writing to the employer / Architect, whose decisions shall be final and binding. The contractor shall provide himself for ground and fresh water for carrying out of the works at his own cost. The employer shall on no account be responsible for the expenses incurred by the contractor for hired ground or fresh water obtained from elsewhere.

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, labor and / or material inclusive of all taxes and duties whatsoever except for specific items. If any, stipulated in the tender documents.

The Contractor shall supply, fix and maintain at his own cost, during the execution of any works, all necessary centering, scaffolding, staging, planking, strutting, hoarding, watching and lighting by bights as well as by day required not only for the proper executions and protection of the said works, but also for the protection of the public and the safety of any adjacent roads, streets, walls, houses, building and all other erections, matters or things. The Contractors shall take down and remove any or all such centering, scaffolding, staging, planking, strutting, etc., as occasion shall require or when ordered so to do and shall fully reinstate and make good all the matters and things disturbed during the execution of the works to the satisfaction of the Employer / Architects.

The contractor shall also provide such temporary roads on the site as may be necessary for the proper performance of the contract and for his own convenience but not otherwise. Upon completion, such roads shall be broken up and leveled where so required by the drawings unless the Employer shall otherwise direct.

The contractor shall at all times, give access to workers engaged by the Employer or any men employed on the buildings, and to provide such parties, sufficient and if required, special scaffolding hoists and ladders and provide them with water and lighting and level or make any holes, groves etc., in any work. Where directed by the employer or as may be required to enable such workmen to lay or fix pipes. Electrical wiring. Special fittings etc. The quoted rates of the tenders shall accordingly include all these above-mentioned contingent works.

**13. TIME OF COMPLETION EXTENSION OF THE PROGRESS CHART**

1. Time of completion: The entire work is to be completed in all respects within the stipulated period. The work shall deemed to be commenced within the Seven days from the date of acceptance letter or date of handing



over of site, whichever is earlier. Time is the essence of the contract and shall be strictly observed by the contractor.

The work shall not be considered as complete until the employer / architects have certified in writing that his has been completed and the defect liability period shall commence from the date of such certificates.

2. Extension of time: If in the opinion of the employer / Architects the work be delayed (a) by any exceptionally inclement weather or (b) by reason of instructions from the employer in consequence of proceedings taken or threatened by or disputes, with adjoining or neighboring owner or (c) by the workers, or delay of other contractors or tradesmen engaged or nominated by the employer and not referred to in the specification or (d) by reason of authorized extra or addition or (e) by reason of any combination of workmen or strikes or lock out affecting any of the building trades or (g) from other causes which the employer may consider are beyond the control of the contractor, the employer at the completion of the time allowed for the contract, shall make fair and reasonable extension of time for completion in respect therefore. In the event of the employer failing to give possession of the site upon the day specified above the time completion shall be extended suitably.
3. In case of such strikes or lock-outs, as referred to above, the contractor shall immediately give the employer, written notice thereof. Nevertheless, the contractor shall use his best endeavors all that to prevent delay, and shall do all that may be reasonably required, to the satisfaction of the employer, to proceed with the works and on his doing so that it will be ground of consideration by the employer for an extension of time as above provided. 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 conclusion of such strike or lock-out and the employer shall then, in the event of an extension being granted, determined and declare the final completion date. The provision in clause 15 with respect to payment of liquidated damages shall, in such case, be made a construed as if the extended dates fixed by the employer were substituted for and the damage shall be deducted accordingly.
4. Progress of Work: During the period of construction the contractor shall maintain proportionate progress on the basis of a 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.

#### 14. LIQUIDATED DAMAGES

Should the work not be completed to the satisfaction of the employer / architect within the stipulated period, the contractor shall 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 uncompleted or unfurnished after the expiry of the completion

- |                                  |  |
|----------------------------------|--|
| a) For contracts having time for | 2% of the estimated amount shown in Completion 4 month or less the tender per week subject to a ceiling of 10% of the accepted contracted sum  |
| b) For contracts having time for | 0.5% of the estimated amount shown in Completion exceeding 6 month the tender per week subject to a ceiling of but not exceeding 2 years 7.5% of the accepted contracted sum.<br>(24 months) |
| c) For contracts having time for | 0.25 % of the estimated amount shown in Completion in excess of 2 years the tender per week subject to a ceiling of 5% of the accepted contracted sum.                                       |

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**15. NOTICE AND PATENT OF APPROPRIATE AUTHORITY AND OWNERS**

The contractor shall confirm to the provision of any acts of 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 confirm, give the employer / architect written notices for making them and apply for instruction thereon. The employer / architect on receipt of such intimation shall give a decision within the reasonable time.

The contractor shall arrange to give notice 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 fees that may be properly chargeable in respect of the work and lodge the receipt with the employer.

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

**16. CLEARING SITE AND SETTING OUT WORKS**

The site shown on the plan shall be cleared of obstructions, loose stone and materials, rubbish of all kinds. All holes and hollows whether originally existing or produced by removal of loose stone or material shall be carefully filled up with earth well rammed and leveled off as directed at his own cost.

The Contractor shall set out the works and shall be responsible for the true and perfect setting out of the same and for the correctness of the positions, levels, dimensions, and alignment of all parts thereof. If at any time any error shall appear during the progress or on completion of any part of the work, the Contractor shall at his own expenses rectify such error, if called upon to do so to the satisfaction of the Architect and the Employer. The contractor shall further set out the works to the alternative positions at the site until one is finally approved and the rates quoted in his tender should include for this and no extra on this account will be entertained.

**17. DATUM**

The average ground level will be considered as the crown of the nearest road which should be taken as "Datum" which is however subject to final confirmation by the employer / architect. All levels shown in the drawings are to be strictly adhered to.

**18. CONTRACTOR IMMEDIATELY TO REMOVE ALL OFFENSES**

All soil filth or other material of offensive nature taken out of any trench, sewer, drain, cesspool or other places shall not be deposited on the surface but shall be at once carted away by the contractor to place provided by him.

The contractor shall keep the foundation and works free from water and shall provide and maintain at his own expenses electrically or other power driven pumps and other plant to the satisfaction of the employer for the purpose until the building is handed over to the employer. The contractor shall arrange for the disposal of the water so accumulated to the satisfaction of the employer and local includes in his rates for the purpose.

**19. ACCESS**

Any authorized representative of the employer shall at all reasonable times have free access to the works and/or to the workshops, factories or other places where item/items of work are being prepared or manufactured for the contract and also to any place where the materials are lying or from which they are being obtained. The Contractor shall give every facility to the Architect, Owner and their representative for the inspection and examination and test of the materials and workmanship. Except the representative of employer no person, shall be allowed at any time without permission of the employer.

**20. MATERIAL, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS**

All the works specified and provided for in the specification 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 best and approved quality of the respective kinds in accordance with the particular contained in the implied by the specifications and as represented by the drawings or accordance to such other additional

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particulars and instruction as from time to time be given by the employer / architect during the execution of the work , and to his entire satisfaction.

If required by the employer / architect the contractor shall have to carry out test on materials and workmanship in approved material testing laboratories or as prescribed by the employer / architect at his own cost to prove that the materials etc. under test confirm to the relevant IS standards or as specified in the specifications. The necessary charges for preparation of mould (in case of concrete cube) transporting, testing etc. shall have to be done by the contractor. No extra payment on this account should in any case be entertained.

All the material (except where otherwise described) store 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 workman like manner. Samples of all materials to be used must be submitted to the employer / architect when so directed by the engineer / architect.

## **21. REMOVAL OF IMPROPER WORK:**

The employer shall, during the progress of the works, have power to order in writing from time to time the removal from the works, within such reasonable time/times, as may be specified in the order, of any materials which in the opinion of the employer /architect are not in accordance, with the specifications or instructions, and the substitution of proper materials and proper re-execution of any work, executed with materials or workmanship, not in accordance with the drawings and specifications or instructions. In case contractor refuse to comply with the orders, 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 / architect shall be borne by the Contractor, or may be deducted from any money due to or may become due to the Contractor. No certificate which may be given by the architect shall relieve the contractor from his liability in respect of unsound work or bad material.

## **22. SITE ENGINEER**

The term “Site-Engineer” shall mean the person appointed and paid by the Employer 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 omissions or any extra work whatever, except in so far as such authority may be specially 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 of the use of such materials shall be discontinued until the decision of the Employer is obtained. The Architects, from time to time, will examine the work. 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 / Employer.

## **23. CONTRACTOR'S EMPLOYERS**

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 instructions of the Employer / Architects. The contractor shall engage at least one experienced Engineer as site-in-charge for execution of the work. The contractor shall employ in connection with the work persons having the appropriate skill or perform their job efficiently.

The contractor shall employ local labors on the work as far as possible. No labor below the age of sixteen years and who is not an Indian National shall be employed on the work.

Any labor supplied by the contractor to be engaged on the work on day-work basis either wholly or partly under the direct order or control of the employer or his representative shall be deemed to be a person employed by the contractor.

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The contractor shall comply with the provisions of all labor legislation including the requirements of.

- a) Employer's Liability Act.
- b) Workman's Compensation Act.
- c) Contract Labor (Regulation & Abolition) Act, 1970 and Central Rules 1971
- d) Apprentices Act 1961
- e) Any other Act or enactment relating thereto and rules framed hereunder from time to time.

The contractor shall keep the Employer saved harmless and indemnified against claims if any of the workmen and a 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 comply at MS own cost the order of requirement of any Health Officer of the State or any local authority or of the Employer regarding the maintenance of proper environmental sanitation of the area where the contractor's labors are housed or accommodated, for the prevention of small pox. Cholera, plague, typhoid, maintain and keep in good sanitary conditions adequate sanitary accommodation and provide facilities for pure drinking water at all times for the use of men engaged on the works and shall remove and clear away the same in completion of the works. Adequate precautions shall be taken by the contractor to prevent nuisance of and kind on the works or the lands adjoining the same.

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

#### **24. DISMISSAL OF WORKMEN:**

The contractor shall on the request of the employer immediately dismiss from the works any person employed thereon who may, in the opinion of the employer, is unsuitable or incompetent or who may misconduct himself, and such person shall not again be employed or allowed on the works without the permission of the employer. The employer shall not enter into correspondence for stating the reasons for dismissal of such workmen. Such discharge shall not be the basis of any claim for compensation or damages against the employer or any of their officer or employee.

#### **25. ASSIGNMENT**

The whole works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign or underlet the contract or any part share thereof or interest therein, nor shall take a new partner, without the 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 works during their progress.

#### **26. DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC.**

The contractor shall be responsible for all injury to persons, property or things and for all structural and decorative damage to property which may arise from operation or neglect or default of himself or of any Sub-Contractor or of any of his or a Sub-Contractor's employees, whether such injury or damage may arise from carelessness, accident or any other cause whatever in any way connected with the carrying out of this contract. This clause shall be held to include, interlace any damage to buildings, whether immediately adjacent or otherwise, any damage to roads, streets, footpaths, bridges, or ways as well as damages caused to the buildings and works forming the subject of this contract by rain, wind or other inclemency of the weather. The Contractor shall indemnify the Employer and hold him harmless in respect of all, and any expenses arising from any such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury or damage under any acts of Governments or otherwise, and also in respect of any award of compensation or damages consequent upon such claim.

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

The contractor shall effect the insurance necessary and indemnify the employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the employer and must be effected jointly in the names of the contractor and the employer and the policy lodged with the latter. 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 effected from initial stage. The contractor shall be responsible for anything, which may be excluded from the Insurance Policies above referred to, and also for all other damages to any property arising out of and incidental to the negligent or defective carrying out of this contract.

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

**27. INSURANCE**

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

The contractor shall deposit the policy and receipts for the premiums with the employer within 10 days from the date of signing the Contract. 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 office, should they elect to do so proceed with all due diligence with the completion of the works in the same manner as though the fire had not occurred and in all respects under the same conditions of contract. The contractor in case, of rebuilding or reinstatement after fire, shall be entitled to such extension of time for completion as the employer may deem fit.

**28. ACCOUNTS RECEIPTS AND VOUCHERS**

The contractor shall, upon the request of the employer furnish them with invoices, accounts, receipts and other vouchers that they may be required 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 difference in the quantity of the material 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 the material is required to use for any work in this contract.

**29. MEASUREMENT**

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 measurement after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the site engineer then in any such event the measurement taken by the site engineer or by the subordinate deputed by him as the case may be is final and binding on the contractor and the contractor shall have no right to dispute the same.

**30. PAYMENTS**

The bills of the Contractor's shall be submitted to the Architects which in turn shall duly forward the same certifying the correctness thereof along with all the relevant records to the employer within a week of the receipt of bills and other records from the Architects subject to deduction of applicable taxes, advances, security deposits etc. or such other sums as may be agreed or provided for under the Contract.

All the interim payments shall be regarded as payments by way of advance against the final 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 recreated or be considered as an admission of the performance of the contract, or may part thereof in any respect or the accruing of any claim, nor shall it conclude determine or affect in any way 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.

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Final payment: -The final bill shall be accompanied by a certificate of completion from that employer/ Architect. Payments of final bill shall be made after deduction of retention money as specified in clause 11 of these conditions, which same shall be refunded after the completion of the defect liability period after receiving the employer's / architects certificates that the contractor has rectified all defect to the satisfaction of the employer / architect. The acceptance of payment of the final bill the contractor would indicate that he will have no further claim in respect of the work executed.

**31. VARIATION / DEVIATION**

The price of all such additional items/ non tendered items will be worked out on the basis of rates quoted for similar items in the contract wherever existing or on engineering rate analysis based on prevalent fair price of labor, material and other components as required. The tender rates shall hold good for any increase or decrease in the tendered quantities up to variations of 25%. For variation beyond  $\pm 25\%$  the rate for the respective items may be reviewed on mutually agreed terms.

**32. SUBSTITUTION**

Should the contractor desire to substitute any material and workmanship, he / they must obtain the approval of the employer / architect in writing for any such substitution well in advance. Material designated in this specification indefinitely by such terms as "Equal" or other approved etc. specific approval of the employer / architect has been obtained in writing.

**33. PREPARATION OF BUILDING 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 windows, and doors including oiling if necessary , of all hardware., inside and outside , stair – case , and every part of the building . He will leave the entire building neat and clean and ready for immediate occupation and total satisfaction of the Bank.

**34. CLEARING SITE ON COMPLETION**

On completion of the works the contractor shall clear away and remove from the site construction plant, surplus material, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the employer / architect.

**35. DEFECTED 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 13 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 there to shall be made good and borne by the contractor and such damages , loss and expenses shall 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 any have incurred in connection therewith .

**36. 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 ht opinion of the employer / architect be either opened up for measurement at the contractor's expanses or no payment may be made for such materials. Should any dispute or 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 .

**37. ESCALATION**

The rate quoted shall be firm throughout the tenure of the contract (including extension of time, if any, granted) and will not be subject to any fluctuation due to increase in cost of material, labor, sales tax, octroi etc. unless specially provided in these documents.

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The price variation clause being adopted by the RBI may be followed, if such a situation arises on a case basis.

**38. IDLE LABOUR**

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

**39. SUSPENSION**

If the Contractor, except on account of any legal restraint upon the employer preventing the continuance of the works, 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 that the works be proceeded within a reasonable manner, and with reasonable dispatch, such notice shall not be unreasonably given and must signify that it purports to be a notice under the provisions of this clause and must specify the acts or defaults on the part of the Contractor upon which it is based.

After such notice shall have been given to the contractor shall not be at liberty to remove the site of works or from any ground continuous thereto any plant and materials to subset from date of such notice being given until the notice shall have been complied with. If the contractor shall fail 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 clause 40 (Termination of contract by employer).

**40. TERMINATION OF CONTRACT BY EMPLOYER**

If the contractor being a company going in to liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter in to a deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the receiver of the contractor in insolvency, shall repudiate the contract or if a Receiver of the contractor's firm appointed by the court shall be unable, within the fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the employer that he is able to carry out and fulfill the contractor and if so required by the contractor to give reasonable security therefore, or if the contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the contractor, or shall assign, charge or encumber this contract or any payment due or which may become due to the contractor, there under, or shall neglect or fail to observe and perform an 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 to 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 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 employer may not withstanding previous waiver determine the contract by 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 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 trust in favor of contractor) further the employer or his agent or servants, may enter upon and take possession of the work and all plants, tools, scaffolding, shed , machinery, steam and other power, utensils and material lying upon premises or the adjoining lands or roads of sell the same as MS own property or may employ the same by mesa of his own servants and workman in carrying on and completing the work or by employing any other contractor or other persons or person to complete the work, the contractor shall not in any way interrupt or do any act matter of thing to prevent or hinder such other contractors or other persons or person employed from completing and finishing or using the material or 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 MS surplus material and plants, and should the contractor fail to do so within 14 days after receipt by him the employer may sell the same by public auction and shall give credit to the contractor for the amount to so released. Any expenses or losses incurred by the employer in getting the works carried out by the other contractor shall be adjusted against the amount payable to the contractor by

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way of selling his tools or plants or due on account of work carried out by the contractor prior to engaging other contractor or against the security deposit.

#### **41. ARBITRATION**

In the event of any dispute or difference whatsoever arising between the parties out of or pertaining to any Clause of this Contract including any question relating to meaning and interpretation of this contract or any alleged breach thereof, except those the decisions whereof have been specifically provided in the Contract, the same shall be settled as far as possible by mutual discussions and consultations between the parties.

In case of failure to resolve the difference/dispute in the above manner, the same shall be referred to the sole arbitration of any person appointed by mutual consultation of employer and contractor, who shall be presently unconnected with the organization for which the work is executed.

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 the Arbitrator shall be such place as may be fixed by the arbitrator in the sole discretion.

The fees, if any of the arbitrators shall if required to be paid before the award is made and publishing, be paid 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 cost or any part thereof shall be paid and may fix or settle the 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 provision of the arbitration act 1940 or any statutory modification or re-enactment thereof and the rules made there under, and for the time being in force, shall apply to the arbitrator proceeding under this clause.

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



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## AC TECHNICAL SPECIFICATIONS

### 1 SCOPE

The scope of this Section comprises the installation, testing and commissioning of the air-conditioning machines confirming to these specifications and in accordance with the requirements given in Schedule of Equipment's.

### 2. AIR CONDITIONING UNITS

HI-WALL UNITS TO BE INSTALLED & their individual Remote controls to be installed on the location approved by the Architect / Consultant.

### 3. INSTALLATION

3.1 Condenser and Fans shall be enclosed in powder coated housing. Refrigerant piping shall be of IMPORTED Copper tube confirming to JIS-H3300 of thickness 0.61 mm for sizes ¼" to 3/8" and 0.71 mm for sizes ½" , 5/8" & 6/8" suitable for specified test pressures. The Installation charges should be inclusive five rmt. of refrigerant piping & interconnected wiring for each unit, which shall be enclosed in the flexible sleeve/ PVC conduit pipes, as required by the consultant. The contractor shall supply foundation bolts, nuts, washers, leveling screws, mounting frame base plate, vibration isolation pad etc. as required by the consultant, and it shall be the responsibility of the contractor to see that all the above items are properly and securely placed in the position on the foundation and get it verified by the consultant.

3.2 The contractor shall supply the required charges of refrigerant, lubricants and other consumables for testing and commissioning of the equipment.

3.3 The unit shall be properly leveled before grouting the foundation bolts.

3.4 All the equipment's shall be thoroughly tested and checked for leaks. The refrigeration system shall be vacuumized to within 5 mm Hg. absolute and maintain for four hours. At the end of this period, the pumps shall be stopped and vacuum maintained for 24 hours without exceeding a vacuum drop of 1 mm Hg. absolute. The contractor shall certify that the vacuum was maintained as specified above.

3.5 All safety controls, low and high refrigerant pipe controls, LP-HP, internal OLP, Single phase preventer, auto-correction of phase misbalancing & phase reversal, starter overload trips shall be provided & suitably set and a record of all these settings shall be furnished to the consultant.

### 4. TESTING

4.1 Unit capacity in tons of refrigeration shall be computed as required by the consultant **Burman Et. Al.** , Computed results shall tally with the figures furnished by the tenders and as inspected during the pre-dispatch inspection by the consultant at Manufacturer's factory.

4.2 All the instruments, services etc. needed for the test required for the computation of the capacities and the power consumption shall be furnished by the contractor.

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## **AC - MODES OF MEASUREMENTS**

### **1 PIPING WORK**

- a) The lengths of piping shall be measured as per distance between INDOOR & OUTDOOR UNITS and accessories and fittings shall be measured along its center line in meters and no separate measurement for bends, elbows, tees etc. shall be made. As such fittings / accessories shall be treated as normal piping work.
- b) All kind of supports, hangers etc. shall form part of the piping work and no extra measurements shall be made.

### **SECTION – 4.3**

#### **SERVICES TO BE PROVIDED BY CUSTOMER**

- a) Main incoming power supply to Main Panel / units, along with suitable size Switch fuse unit.
- b) Any kind of exposed roof insulation work. Provision of venetian blinds.

**LIST OF APPROVED AND NOMINATED MANUFACTURERS /  
SUPPLIERS OF INTERIOR MATERIALS FOR INDIAN BANK AT  
KAKROLA, NEW DELHI.**

S.NO.	MATERIALS	APPROVED BRANDS
1	False Ceiling, Cornices and Channel (GI Section)	India Gypsum , Boral, St. Gobain
2	Grid Ceiling	Armstrong/Gypro/luxelon
3	Wood Frame work: All wood must be well seasoned, free from knots, other defects.	Meranti (seasoned) with two coats of wood preservative
4	Aluminium frame work	Jindal/Indal/Hindalco
5	Wood skirting /mouldings, Lipping /beading	Steam beech/ Mahogany/ Teak wood
6	Commercial Ply wood/EDHMR (6mm,8mm,12mm,19mm)	Archid/Green ply/Century
7	Laminate	Century/Merino/Greenlam/Aica
8	Veneer	Archid/Century/Greenlam
9	Wood Preservative	STP- Pentaphene pale / Termination Tor(Pidilite)
10	Adhesive	Fevicol SH (Pidilite) / Araldite/SR- 998/Century – SH
11	Door Closer	Dorset/Hettich/Hafele
12	Floor Spring	Dorma/ Dorset/Hettich
13	Door Lock	Dorset/Golden/ Ozone
14	Drawer Lock	Dorset/Golden/Hettich
15	Hardware	GKW/Everite
16	Hinges	Hettich/Ebco/Hefele
17	Screws	GKW/ Nettle fold
18	Carpet	Interface/ Shaw
19	Vertical/Roller Blinds	MAC/Vista
20	Sun Control Film	3M
21	Soft Board / Display Board	Jolly board/Western India Plywood
22	Paints	Berger/ Asian/ Nerolac
23	Texture paint	Spectrum/ Oikos
24	Ceramic Tiles	Nitco/Orient bell/H.R.Johnson
25	Vitrified tiles	Nitco/Orient bell/ H.R.Johnson
26	Glass & Mirror	Modi Guard/ Saint gobain/Ashai
27	Handle	Dorset/Hefele/ Hettich
28	MDF Boards	Greenpanel max/Century/Action
29	Wooden flooring	Green panel max/Pergo/Armstrong
30	PVC flooring	Armstrong/ Krishna vinyl

31	Sanitary fittings	Toto/ Roca/ Kohler/ Grohe
32	Cement	Grade 43/53 of L&T/A.C.C./Ambuja/Ultratech
33	White Cement	Birla cement/JK cement
34	ACP Panels/Sheets	Alubond/ALU Décor/Alstrong/Alstone
35	Flush door	Sonear/Century/Green
36	AC grill	Air products/omicron/patrawala
37	Melamine polish	MRF/Nerolac
38	Ball Catch	Magnetic (M-2)/ Brass or Equivalent

The above material list is only indicative and equivalent material may be used. Prior Approval from Bank / Architect to be obtained for any material to be used at site.

**NOTE:-**

- 1. In case of unavailability of any material of specific make an equivalent make can be used only after a written approval of the Architect / Bank. The preference of make/brand of the material listed above will be decided by the Architect/ Bank. The make/brand of any item will be as mentioned in the drawings issued by the Architect.**
- 2. The contractor shall provide samples of all materials mentioned in the list of makes as required by the Architect. A written approval of these samples shall be sought prior to commencement of any work. Architect / Bank reserves the right to enquire the genuineness of any material used at site directly from the manufacturer/dealer.**

**LIST OF APPROVED AND NOMINATED MANUFACTURERS / SUPPLIERS OF ELECTRICAL MATERIALS FOR INDIAN BANK AT KAKROLA, NEW DELHI.**

S.NO.	MATERIALS	APPROVED BRANDS
1	PVC fittings	Polycab/ AKG / Precision
2	Wires – PVC insulated copper	Finolex/Polycab/Havells
3	Cables (armored)	Gloster / Havells/ Polycab
4	A.C Starter, Plug Socket	Crabtree / Northwest/ Legrand
5	Light & Power switch socket	Crabtree / Northwest /Philips
6	Telephone Socket	RJ-11 Crabtree/ Philips/MK
7	DB MCB	Legrand/ Hager/ Schneider
8	MCB	Legrand/ Hager/ Schneider
9	Telephone cable	D-Link / Delton / AMP/Dowel
10	Light fitting	PHILIPS/Wipro/Panasonic
11	Fuse Switch	L&T / Havell's
12	Telephone Connector	Corn
13	Ceiling/ Wall fan	Crompton / Orient / Havells
14	Exhaust fan	Crompton / Orient / Havells
15	P.V.C tape	Steel Greep
16	Call bell	Max
17	Cable Lug	Dowell's
18	Cable gland	Comet/ Gripwel/ Dowel
19	Distribution board	L&T/ABB/LeGrand
20	MS conduit	BEC/ Precision/ AKG
21	Starter & single phasing preventer	SEIMENS
22	SPN, TPN, Sheet metal	Havell's / Legrand/ L&T
23	Pipe Metal	M.S Conduit 16 S.W.G

24	Metal Pipe Fittings	Cast iron with thread & inspection cover
25	Pipe PVC (Rigid Conduit)	AKG / Polypack/Precision
26	PVC fitting for Rigid	-Do-
27	PVC Roll Pipe	Super Dalda or equivalent heavy guage
28	PVC Casing & Casing Fittings	Good quality heavy guage (colour white)
29	Lugs	Dowel/Braco/Nettlefold
30	Terminals	Essen/Elmex
31	Burglar alarm	Godrej/ Globe detective
32	E-cat 6 Patch panel	Schneider Electric/ Avaya
33	P.A. System	Bosch/ Ahuja
34	UPS wiring	Crompton/KEI
35	Aluminum ducting sheet	Jindal/ SAIL
36	AC	O-General, Daikin, Blue Star.
37	Timer	Legrand
38	Cat-6 cable/Cat-6 I/O	D-Link/Molex

The above material list is only indicative and equivalent material may be used. Prior Approval from Bank / Architect to be obtained for any material to be used at site.

**NOTE:-**

**1. In case of unavailability of any material of specific make an equivalent make can be used only after a written approval of the Architect / Bank. The preference of make/brand of the material listed above will be decided by the Architect/ Bank. The make/brand of any item will be as mentioned in the drawings issued by the Architect.**

**2. The contractor shall provide samples of all materials mentioned in the list of makes as required by the Architect. A written approval of these samples shall be sought prior to commencement of any work. Architect / Bank RESERVE the right to enquire the genuineness of any material used at site directly from the manufacturer/dealer.**

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**LIST OF APPROVED AND NOMINATED MANUFACTURERS / SUPPLIERS OF AC  
WORK MATERIALS FOR INDIAN BANK AT KAKROLA, NEW DELHI.**

S.NO.	MATERIALS	APPROVED BRANDS
1	AC UNIT (Split AC and Cassette AC) 3 star rating 2021-22, AC should have copper condenser only.	O-General, Daikin, Blue Star.
2	Copper piping with Installation (Superlon Malaysiau)	Rasco/ Mandev/Mettuble.
3	Voltage Stabilizer	Voltech/ Logicstat / V-guard.
4	Interconnection cable ¾ core between indoor to outdoor units	Johnson / National/ Kalinga.
5	Drain pipe	UPVC drain pipe 25mm with elbow socket and T( Make – Prince or Equivalent)

PROJECT: INDIAN BANK AT KAKROLA BRANCH.		
SUMMARY (BRANCH)		
ARCHITECT :- BURMAN ET.AL.		
S. No.	ITEMS	AMOUNT
<b>I</b>	<b>INTERIOR WORK</b>	
1	False/Suspended ceiling	
2	Partitions (Solid/Glazed,Partial glazed )	
3	Doors & Accessories	
4	Working Counters	
5	Table & Furniture	
6	Cabinet & Cupboards	
7	Other Miscellaneous work	
	<b>Sub Total</b>	
<b>II</b>	<b>ELECTRICAL WORK</b>	
1	Eletrical works,DBs,wiring etc	
2	Eletrical Lighting & fixtures	
	<b>Sub Total</b>	
<b>III</b>	<b>LAN &amp; TELEPHONE WORK</b>	
1	Branch work	
	<b>Sub Total</b>	
<b>IV</b>	<b>AC WORK</b>	
1	AC work	
	<b>Sub Total</b>	
<b>V</b>	<b>ATM WORK</b>	
1	ATM work	
	<b>Sub Total</b>	
	<b>TOTAL (I+II+III+IV+V)</b>	
	<b>GST @ 18%</b>	
	<b>GRAND TOTAL WITH GST AMOUNT</b>	



PROJECT: INDIAN BANK AT KAKROLA BRANCH.					
SUB:- INTERIOR WORK					
ARCHITECT :- BURMAN ET.AL.					
SL No	PARTICULARS	UNIT	QTY	RATE	AMOUNT
1.1	<b>FALSE CEILING ( Gypboard ) :-</b> Providing and fixing Gypsum false ceiling as per drawing including of providing and fixing G.I. Frame work shall comprise of G.I. perimeter channel (MF-6A) of size 0.50mm thick having one flange of 19.6mm and another flange shall be of size 29.6mm and a web of 26.6mm along with perimeter of ceiling, screw fixed to the beam to the required curvature with nylon sleeves and screws at not exceeding 610mm centers. Then suspending G.I. intermediate channel (MF-7) of size 45mm, 0.9mm thick with two flanges of 15mm each bent to the required curvature by cutting both its flanges. Suitable bracing to be provided where ever the flanges are cut with 0.9mm G.I. Flat and nuts and bolts at specific positions and thereafter at 1220mm centers with ceiling angle of width 25mm x 10mm x 0.50mm thick fixed to soffit with G.I. cleats and steel expansion fasteners as per specification of India gypsum at a distance of 2'0" c/c both ways complete with 12.5mm board and all necessary perimeter channels etc. The joints to be properly mended with paper tapes and gypsum compound all complete. The boards are to be jointed and finished which includes filling and finishing the tapered and square edges of the boards with jointing compound and fiber tape suitable for Gypsum board. A layer up to of 3.00mm thickness of Veneer Plaster is applied followed by two coats of topcoat (primer) at the face of board to give smooth seamless finish. <b>2 or more coats of plastic emulsion paint (roller finish) of approved shade</b> and make shall be applied. <b>The rate should include the full completion of the ceiling.</b> At the time of handing over the site all necessary repairing work to be considered if required. The work to be completed as per specification , approval of the bank. <b>No Drop or design(if any )will be considered as extra measurement it will be considered flat ceiling.</b> (Only plan area to be measured for payment) .No extra payment will be made for the cutting of light points , stain glass,cove lighting etc. The measurement will be taken in one level , rate should include the drops also, no extra amount will be paid for the drops.	SQ.FT.	680		
2	<b>GRID FALSE CEILING ( 600mm X 600mm ):-</b> Providing and fixing suspended false ceilingconsisting of Armstrong/ Decophone or equivalent make 600mm x 600mm Tiles with tegular edges , <b>slim line suspension system grid.</b> Classic fine textured or approved pattern , on G.I frame work Complete in all respect as per manufacture's specifications, designs and architect's approval. <b>Rate quoted to include cost of providing support framework formed of perimeter channels for fixing light fixtures, AC grills/diffusers etc.</b> Also to provide concealed perimeter channel support as required to support modular grid ceiling sections at junction between gypboard false ceiling and modular grid tile ceiling. <b>Rates to include Providing and fixing 50 mm Metal Axiom on periphery of Modular ceiling as per the design and details of the Architects.</b>	SQ.FT.	330		
	<b>Sub Total I</b>				
2	<b>Partition (Solid/Partial Glazed/Glazed/low partition</b>				
2.1	<b>Full ht. Solid Partition including flush door &amp; store room partition up to 8'-6" only :-</b> Providing and fixing solid partition , the framing shall made out of aluminium hollow section of 50mm x 50mm size 1.5mm thick of JINDAL / INDAL as internal frame structure placed horizontally & vertically at max distance of 2'-0" x 2'-0" center to center. Fixing <b>11mm thick Extreme Density High Moisture Resistance (EDHMR)</b> on both sides with 1.0mm thick laminate on top of approved shade with groove pattern as per instructions of Architect. The rate shall include the cost of providing skirting of 100mm wide lined with 1mm thk laminate and providing & fixing a border at top of 100mm wide lined with 1mm thk laminate complete. Laminate Should be considered up to two or three color combination. The edge beadings with steam beach wood should be finished with melamine polish if required, frame work above false ceiling done shall not be measured but contractor may factor it while quoting there rates as measurment up to false ceiling lvl.. The rate inclusive of providing & fixing of required flush door of 37mm thick approx. with 1.0mm th.laminate both side with steem beech wood chowkhat of size 75mm x 65mm approx and Item includes Heavy-duty SS ball bearing butt hinges 100 x 5.5 mm (4 Nos. per shutter) with screws etc.The shade of laminate finish to be got approved from Bank. . All as per the design and instructions Bank. Note: - For the purpose of payment partition shall be measured including the area of door / door frames up to false ceiling height. Framework shall be rigidly secured to floor, bottom of slab & existing walls at 2'-0" c/c with dash fasteners.	SQ.FT.	280		
2.2	<b>Gypsum Board Blocked Partition</b>				

	Providing & fixing gypsum board partitions as per design with 1.0 mm thick G.I. sections of size 50 mm x 32 mm, provided at not more than 600 mm c/c and covered on both sides with 12.5 mm thick gypsum board using self drilling screws . The partition should withstand its weight. The Joints between the Gypsum board shall be fixed with fiberglass joint mesh and finished with putty. All as per the design and instructions Architects & Bank representative..	SQ.FT.	0		
2.3	<b>Full ht. Glazed Partition :-</b> Item same as 2.1, and 8 mm thick clear Modi float glass above 1'-0" / 3'-0" & up to 7'-0" fixed with steam beech wood beading of finished size 1½" x 1" all along the edge. All edge-to-edge glass joint to be machine cut and polished and sealed with silicon sealant. Joint shall be located strictly as shown in the drawing. All exposed woodwork to be melamine polished. Item includes frosted/striped/ designer glass film of 3M, Avery Dennison or equivalent ( basic rate of film Rs. 50/ sq.ft.) on existing glass as per manufacturer's specification. <b>All as per the design and instructions Bank.</b>	SQ.FT.	170		
2.4	<b>Low Ht /Half Ht Semi Glazed :</b> Same as Item no 2.1 but and above Low ht or Half height as per design including <b>10 mm</b> Tempered /Toughened glass with edges polished to be used. All other specs same as item no 3, Edges of the partition to be covered with 3"x1.5" Steam beach wood duly melamine polished moulding. 38 mm thick flush door : wicket gate also shall be included for a measurement <b>All as per the design and instructions Bank.</b>	SQ.FT.	150		
2.5	Glazed Paratition :Providing & fixing <b>10mm thk toughened clear float glass</b> to shape for front side of the cash counters including cutting the holes, and providing & fixing TW beading polished and tinted to approved shade. (including SWO/Chief Casher front Glass)	SQ.FT.	30		
	<b>sub total II</b>				
3	<b>Door &amp;Accessories</b>				
3.1	<b>MAIN ENTRANCE DOOR :</b> Providing and fixing front Frameless Patch Fitting Door with 12mm thick toughened glass with frame less glass fittings joining 2 glass & double action floor springs (Hettich/Dorma/Godrej) as per design. The item includes providing and fixing S.S. handle not less than 600mm long on both side of glass, locks and fittings (Haffle/ Hettich/ Ozone) as per the manufacturer's specifications etc. complete to the satisfaction of Architect/ Bank's Engineer.	SQ.FT.	30		
3.2	Providing & fixing <b>12mm thick toughend fully Glass Partition</b> in front of cabins for Manager and also Branch Front Entrance, glass fixed with S.S. clamps on sides and top & S.S. u-channel in the ground as per detail drgs. and complete to the satisfaction of Architect/ Bank's Engineer.	SQ.FT.	40		
3.2	Supplying and fixing of Dorma / GEZE/ Dline / Hardwyn/Godrej or approved equivalent <b>Door Closer</b> for wooden door for BM , Banking Hall, Chief Casher	Nos.	6		
3.3	Supplying and fixing of <b>mortice door lock</b> Hardwyn make HML-480 Lock Body 304 Stainless Steel. (in BM Cabin,store room.) Cash cabin cabin shall be <b>Godrej Night Latch.</b>	Nos.	6		
3.4	Supplying and fixing of <b>door Stopper</b> SS Grade 304,HESSF-2C HARDWYN Make.	Nos.	6		
3.5	<b>Semi Glazed Door (3'-3"x7'-0") :-</b> Providing and fixing made in 35mm thick Flush door with 1mm lamination form both sides and 8mm plain glass with Etching / Acid texture border fixed with Steam beach molding duly melamine polished. 35mmX 12mm steam beach Lipping to be provided to all the edges of the door . Rate also to include the cost of <b>Door Frame made Steam beach wood fixed in partition or wall..</b> Door Frame should be fixed properly to the Partitions, All Hardware should be of Brass / SS Brush finish with ISI mark. Hardware includes Concealed Door closer, Cylindrical Lock, Door stopper and other standard needs. All as per the design and instructions Bank.	Nos.	0		
3.5	<b>Semi Glazed Door (3'-0"x7'-0") :-</b> Providing and fixing made in 35mm thick Flush door with 1mm lamination form both sides and 8mm plain glass with Etching / Acid texture border fixed with Steam beach molding duly melamine polished. 35mmX 12mm steam beach Lipping to be provided to all the edges of the door . Rate also to include the cost of <b>Door Frame made Steam beach wood fixed in partition or wall..</b> Door Frame should be fixed properly to the Partitions, All Hardware should be of Brass / SS Brush finish with ISI mark. Hardware includes Concealed Door closer, Cylindrical Lock, Door stopper and other standard needs. All as per the design and instructions Bank.	Nos.	1		
3.6	<b>Solid Doors ( 3'-0" &amp; 2'-6" x7'-0"):-</b> Same as above (3.5), but the Door Frame should of best quality steam beech wood of with out Glass. Instead of glass, matching laminate on plywood to be used for maintaining uniform appearance. All as per the design and instructions Bank.	Nos.	3		
	<b>sub total III</b>				

<b>4.1</b>	<b>CASH /STAFF COUNTERS</b>				
	<p>Providing and fixing Chief Cash Counter in split-levels 18" (1140mm) and 2'-6" (height 750mm) wide each. Upper levels having 19mm thick Granite with approved adhesive to <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b>. Edges of 18" wide counter shall be double with matching Corian and shall be rounded and machine polished. Lower tier shall be made of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> wood finished in 1.5mm thick laminate. Exposed edge having steam beech wood edging of size 1 1/2" x 1". Vertical face shall have <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> over pine wood framework as per requirement of design. All exposed surfaces shall be finished with 1.0mm thick laminate of approved shade and colour.</p> <p>1 no. prefabricated metal computer key board tray including drawer slides 12.5" x 22" tray with 14" telescopic slides including L – brackets for securing to the table top. Chest of drawers (size 1'-4" x 2'-0" x 2'-5") made of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> having three drawers finished with 1.0mm thick Laminate on all sides. Each drawer shall have locking system and 6" long S.S. brushed finished handle, drawer slides etc. of approved make. All exposed edges of ply wood sealed with Steam beech wood beading of size 1/4" x 3/4". All beading and exposed wood shall be melamine polished and non-laminate surface to be enamel painted. <b>Item includes readymade metal powder coated CPU trolley</b>, grommet, footrest for each seat. All complete as per approval and instructions of the Architect / employer. The rate also include providing and fixing painting a <b>foot rest</b> using hard wood 100 x 25mm size 1st class seasoned country frame. Payment will be made only on the centerline measurement. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0mm thk laminate and providing &amp; fixing a border at top of 100mm wide lined with 1.0mm thk laminate complete.</p>	R.FT.	5		
<b>4.2</b>	<b>FRONT &amp; STAFF COUNTER</b>				
	<p>Providing and fixing staff counter/SWO in split-levels 1'-0" (920mm) and 2'-6" (750 mm) wide each. Upper levels having <b>19 mm thick Granite</b> with full round edges glued with approved adhesive to <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> top (Basic rate of Granite Rs. 180/- Sq.ft. i/c taxes and transportation). Lower tier shall be made of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> and finished in 1.5mm thick laminate. Working top having steam beech wood edging of size 1 1/2" x 1". Vertical face shall have <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> over pine wood framework as per requirement of design. All exposed edges of ply wood sealed with Steam beech wood beading of size 1/4" x 3/4". All exposed surfaces shall be finished with 1.0mm thick laminate of approved shade.</p> <p>The item includes Chest of drawers (size 1'-4" x 2'-0" x 2'-5") made of 19mm thick Extreme Density High Moisture Resistance (EDHMR) having One drawers at top and a storage cabinet below having shutters of 19mm thick Extreme Density High Moisture Resistance (EDHMR) finished with 1.0mm thick Laminate on all sides. 1 no. prefabricated metal computer key board tray including drawer slides 12.5" x 22" tray with 14" telescopic slides including L – brackets for securing to the table top for each seat. All beading and exposed wood shall be melamine polished and non-laminate surface to be enamel painted. Item includes 1'-3" high 12mm thick toughened glass above upper tier and readymade metal powder coated CPU trolley, grommet, foot rest for each seat. All complete as per approval and instructions of the Architect / employer. The rate also include providing and fixing painting a foot rest using hard wood 100 x 25mm size 1st class seasoned country frame. Payment will be made only on the centerline measurement. The rate shall include the cost of providing skirting of 100mm wide lined with 1.0mm thk laminate and providing &amp; fixing a border at top of 100mm wide lined with 1.0mm thk laminate complete.</p>	R.FT.	10		
	<b>Sub Total IV</b>				
<b>5</b>	<b>Table &amp; Furniture</b>				

5.1	<p><b><u>MANAGER TABLE ( Size:- 6'-0" x 3'-0" ) ht. 2'-6" :-</u></b> Providing and fixing tables made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> over hard wood frame work finished with 1.5mm thick laminate of approved shade. Top having steam beech wood edging of size 2" x 1 ¾". 10mm thick clear float glass with beveled edges shall be provided on the finished to <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> of approved make cladded with 1mm thk. laminate ( color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden steam beech lippings and mouldings duly malamine polish. The drawers to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> with 1.0 mm laminate finish in the front , and bottom to be made out of <b>6mm thick Extreme Density High Moisture Resistance (EDHMR)</b> and it should play in drawer sliding telescopic channels. The inside of the drawer to be duly paint &amp; Table back side wil be 1mm laminate. A leg rest to be provided duly polished made out of 3"x2" Wooden Section. A shutter to be made by <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> cladded with 1.0mm laminate .The necessary locks handles to be provided in each drawers and shutters. 3" x 1/2" wooden skirting to be provided in all visible areas duly polished. The necessary wire managers(SS) to be provided on the tables and provision for lights to be kept if required in the front of the table. All the exposed areas to be duly malamine polished The work to be completed as per design and approval of the Bank. The table should have key board tray and CPU Trolley to be Modular. <b><u>All as per the design and instructions Bank.</u></b></p>	NO.	1		
5.2	<p><b><u>OFFICER TABLE ( Size:- 5'-0", 4'-6" x 2'-6" ) ht. 2'-6" :-</u></b> Providing and fixing tables made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> over hard wood frame work finished with 1.5mm thick laminate of approved shade. Top having steam beech wood edging of size 2" x 1 ¾". 10mm thick clear float glass with beveled edges shall be provided on the finished to <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> of approved make cladded with 1mm thk. laminate ( color with vertical grain) as per design in all visible areas. All the exposed edges to be covered with wooden steam beech lippings and mouldings duly malamine polish. The drawers to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> with 1.0 mm laminate finish in the front , and bottom to be made out of <b>6mm thick Extreme Density High Moisture Resistance (EDHMR)</b> and it should play in drawer sliding telescopic channels. The inside of the drawer to be duly paint &amp; Table back side wil be 1mm laminate. A leg rest to be provided duly polished made out of 3"x2" Wooden Section. A shutter to be made by <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> cladded with 1.0mm laminate .The necessary locks handles to be provided in each drawers and shutters. 3" x 1/2" wooden skirting to be provided in all visible areas duly polished. The necessary wire managers(SS) to be provided on the tables and provision for lights to be kept if required in the front of the table. All the exposed areas to be duly malamine polished The work to be completed as per design and approval of the Bank. The table should have key board tray and CPU Trolley to be Modular. All as per the design and instructions Bank .</p>	NO.	1		
	<b><u>Sub Total V</u></b>				
6	<b>Cabinet/ Cupboards</b>				
6.1	<p><b><u>SIDE AND BACK UNIT :-</u></b> Providing and fixing Side Unit/ Back unit 400 mm depth made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> finished with 1.0mm laminate in all exposed areas and top shall be 1.5 mm thick . The drawers to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> and cladded with 1.0mm laminate and bottom made out of <b>6mm thick Extreme Density High Moisture Resistance (EDHMR)</b> duly painted in matching tone and it should play on drawer sliding channels . The shutters to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> wood and should play on drawer sliding castors on powder coated channels. The necessary locks , handles, etc to be provided . 3" x1/2 wooden skirting to be provided duly polished as per matching tone all along the visible areas. <b>Inside of the unit to be 1.0 thk laminate finish.</b> All the exposed edges of the boards/ply woods to be covered with woden lippings/mouldings duly polished all complete. The work to be completed as per approval and specification of the Architect.</p>	SQ.FT	70		

6.2	<b>FULL &amp; LOW HT. STORAGE UNIT :-</b> Providing and fixing Full /Low height Cabiner 400mm deep made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> finished with 1.0mm laminate in all exposed areas . The Shutter to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> in the front cladded with 1.0mm laminate( color, vertical grain) . and bottom made out of <b>6mm thick Extreme Density High Moisture Resistance (EDHMR)</b> duly painted in matching tone and shelves <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> to fixed inside storage. The shutters to be made out of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> . The necessary locks , handles, etc to be provided . 3" x1/2 wooden skirting to be provided duly polished as per matching tone all along the visible areas . Inside of the unit to be 1.0 thk laminate finish . All the exposed edges of the boards/plywoods to be covered with wooden lippings/mouldings duly polished all complete.All as per the design and instructions Bank	SQ.FT	95		
6.2	<b>MAIN ELECTRICAL PANEL CABINET :-</b> Providing and fixing of DB Shuttering formed of <b>19mm thick Extreme Density High Moisture Resistance (EDHMR)</b> wood shutters finished with laminate on outer surface <b>1.0 Thk. laminate finish</b> on internal surface with wooden louvre perforation and necessary hardware complete as per details. <u>All as per the design and instructions Bank.</u>	SQ.FT	60		
	<b>Sub Total VI</b>				
7	<b>Other Miscellaneous Items</b>				
7.1	<b>SOFT BOARD / NOTICE BOARD :-</b> Providing and fixing soft board with necessary framework with 12mm BWR plywood on top 12 jolly board to be fixed finished with fabric @Rs80 , with necessary mouldings duly polished along the periferi. <u>All as per the design and instructions Bank.</u>	SQ.FT	50		
7.2	<b>POP (BANKING HALL)</b>				
	Providing and applying pop on wall & column as per required and to give a smooth surface as per approval of the Architect .	SFT	0		
7.3	<b>PAINTING PLASTIC PAINT :-</b> Applying 2 Coat putty with primer and Providing and applying Plastic emulsion paint (asian) of approved make and shade on walls including scrapping off, preparing the base & applying 3 or more coats of approved make, color and shade to give an even and smooth surface on new work including necessary scaffolding, coat of cement primer etc. all complete as per direction of Bank.	SQ.FT	0		
7.4	<b>TEXTURE PAINT :-</b> Providing & applying Texture Paint (Okios/ Dulux/ Asian) in two or more shades as approved by Bank with roller & spray, after preparing the base for the same as per manufacturer's specifications etc. complete to the satisfaction of Architect/Bank's Engineer. (Base Price of texture paint to be used to be Rs. 60/ sq.ft.).	SQ.FT	0		
7.5	<b>WALL PANELLING :-</b> Fabricating and fixing wall/column paneling, the framing shall made out of aluminium hollow section of 65mm x 37mm size 1.5mm thick of JINDAL / INDAL at spacing not exceeding 600mm bothways (horizontal and vertical). Paneling framework to be secured to wall surface/column surface.Paneling framework to be clad on one side with <b>9mm thick Extreme Density High Moisture Resistance (EDHMR)</b> finished with 1.0mm thk laminate including skirting of 100mm high & 12mm x 12mm groove at skirting level. <u>All as per the design and instructions Bank.</u>	SQ.FT	410		
7.6	<b>WRITING LEDGER &amp; CHEQUE &amp; SUGESTION BOX :-</b> Providing and fixing writing ledge as per design minium 5 ft length made out 19mm comm. board with necessary grove patterns with 1.0mm laminate. 10mm thk machine polished glass to be provided on top of the writing ledge. Small boxes to be made out of 19mm thick Extreme Density High Moisture Resistance (EDHMR) to be made on top of the writing ledge finished with 1.0 mm laminate, inside enamel painted and rate should be included providing fixing of sugestion box & Cheque deposit box as per approval of bank .The work to be completed as per design and approval of the architect.	NO	1		
7.7	<b>FAÇADE OF ENTRANCE DOOR</b>				

	Providing & fixing in position ACP (Aluminium Composite Panel) with framing of Aluminium Tube sections of min 1.5"x 1" and 20 gauge 2'-0" C/C both ways. ACP to be in 2' wide panels or distributed equally. Panels to be fixed to the frame with 3M or equi-valent adhesive. Joints to be finished with Silicon based sealant. Minimum ACP thickness-3 mm. Aluminum foil thickness to be min 0.25 mm on both sides. Alubond, Eurobond, Fujibond, Alcobond or equivalent ISO certified or approved brands to be used. White (IVORY) & Blue to be as per bank's approval. Additional Sections to be provided to fix the Indoor AC units. Both AC units to be installed near the machine area at the highest position. The rate shall be included for providing proper access panel for ATM power point and shall have proper locking arrangement for plug point by provding additional framing. ( The measurement shall be made up to false ceiling).	SQ.FT	135		
	<b>Sub Total VII</b>				
	<b>TOTAL AMOUNT (I+II+III+IV+V+VI+VII)</b>				

PROJECT: INDIAN BANK AT DEFENCE KAKROLA BRANCH.					
SUB:- ELECTRICAL WORKS					
ARCHITECT :- BURMAN ET.AL.					
SL No	PARTICULARS	UNIT	QTY	RATE	AMOUNT
1	<b>ELECTRICAL WIRING &amp; EARTHING</b>				
1.1	Supply,laying,connection & testing of light,fan point, wiring by 2x1.5mmsq(2x3/.029) +1x1mmsq PVC insulated, multistrand single core copper conductor FRLS wire maintating the colour code as per direction in PVC conduite of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawaing including 3 point ceiling rows wherever required GI saddle to be used for fixing,metal flexible/PVC flexible pipe may use if requied in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe,light, fan & plug point complete with modular type switch plate & MS box . rate Including the main circuite line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire from DB to switch board ,maintaining the colour code. Circuite line for lighting switch board & 6Amps plug board are to be drawn from lighting DB to Lighting board & plug point board (independent ), 6/16 Amps plug point line are to be draw from power DB.as per DBschedule /SLD				
a)	1 light by 1 switch	Nos.	11		
b)	2 light by 1 switch	Nos.	11		
c)	3 light by 1 switch	Nos.	6		
e)	Ceiling fan point with step type electronic regulator	No	2.00		
f)	Same as above, but for exhaust fan excluding regulator.	No	4.00		
g)	Same as above 5A Point in the switchboard itself.	No	5.00		
h)	same as above Wiring for call-bell point including buzzer	No	1.00		
i)	Wiring (2x2.5mmsq+1x1.5mmsq from power DBs) for independant 6A multi pin socket along with 6A modular type switches housed in painted MS box (upto 3 independent plug points can be taken in one circuit). For Fan	No	9.00		
1.2	Supply and installation of modular type 2 nos 6A & multi pin sockets with 2 nos 6 Amp one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including wiring for Raw power socket outlet using 2 R runs of 2.50 Sqmm and single run of 1.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 20mm PVC conduit to be laid in floor, partitions, etc. complete with all accessories (looping 2 sets of 2x6A socket outlet in one circuit- from DB) (Raw power). for counter	No	7.00		
1.3	Supply and installation modular type 16A, 5-pin socket with 16A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer , the rate shall include wiring fusing 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories (for line printer : or optional).(upto 2 independent plug points can be taken in one circuit)	Nos.	12.00		
1.4	Supply and installation of power supply disconnection arrangement for strong room consisting of 1 no 10A DP MCB housed in manufacturer's powder coated MS box to be fixed inside the strong room and connected with 1 no 3-pin metal clad plug with 2 metre long 3 core 2.5 sqmm PVC insulated flexible copper conductor cable.	Set	1.00		
1.5	<b>Acs electrification :-</b>				

(a)	Supply and fixing 25 Amps 3-pin modular socket with 25 Amp one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 6.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilizer to IDU)Supply.	Nos	4.00		
(b)	Supply and fixing 25 Amp - 3 pin metal clad socket with plug controlled by a 25 Amp SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 6.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stabilizer	Nos	4.00		
(c)	Supply and fixing 20A 3-pin modular socket with 20A one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilizer to IDU)Supply.	Nos	4.00		
(d)	Supply and fixing 20A - 3 pin metal clad socket with plug controlled by a 20A SP MCB (for Ac wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stabilizer	Nos	4.00		
2	<b>LAYING OF CABLE :</b>				
2.1	Supply laying fixing main power with 50mm sq 3.5 core PVC insulated,PVC sheated Alu.Conductor, 1100 v. grade armoured cable complete with 02 nos 8 SWG bear GI.wire as running earth .( Meter panel to Main Panel & Dgset to Main Panel	Mts.	25		
2.2	End termination of 50mmsq 3.5 Core armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	Nos	4		
2.3	- Do - 3.5 x 16 sqmm with 02 nos 8 SWG bear GI.wire as running earth. for Light D.B	Mts	25		
2.4	- Do - 3.5 x 25 sqmmth with 02 nos 8 SWG bear GI.wire as running earth. for POWER & A.C D.B and UPS	Mts	20		
2.5	- Do - termination of 25 & 16 Sqmm 3.5 Core	Nos	6		
3	<b>Out door type glow sign board wiring :-</b>				
3.1	Supply laying of main line with 2x2.5 +1x1.5 mmsq through MS conduite from main panel to glow sign board.	Mts	25		
3.2	Supply installation of 16 amps DP MCB at main entrance Glow sign board	Set	1		
4	<b>EARTHING STATION :</b>				
	<b>Earthing installation as per I.E. rule conforming</b> to IS 3043-1987 or its latest amendent by making earth station with 600x600x3mm(mini-mun) thick copper plate electrode to be installed such that is top edge shall be at a minimum depth of 3.3mts below ground level after preparation of ground with charcoal, sand ,& salt, connecting the 25x3mm thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 50mm dia 2.3Mts long partly perforated G.I. Pipe with funnel for watering arragment. <b>N.B :- The Copper plate to be buried under 3.3Mts depth from ground level, including C.I. Pit 300x300mm with necessary brick wall ( For UPS earthing).</b>	Set	1		



(ii)	Supply laying 2x8SWG copper bear wire from earth spike to main panel.(Electrolite wire)	Mts	25		
5	<b>MAIN ELECTRICAL DISTRIBUTION</b>				
	<b>Main Panel (wall Mounted Type)</b>				
	Supply, fabricating,assembling,internal- connection, testing & conncceting with				
	Incomer - 100A 4P MCCB 25Ka with adjustable thermal & Magnetic trip unit -1 Nos				
	OUTGOINGS -				
	<b>63 Amps 4 pole MCB. = 04 Nos.(AC &amp; Power DB,ATM ,UPS,spare )</b>				
	<b>40 Amp 4 Pole MCB :2 nos (Lighting DB,Spare)</b>				
	<b>25 Amps DP MCB = 02 Nos.( sign board , Fire Alarm)</b>				
	<b>Amps Meter 0-100 Amps with 3 Nos. CT &amp; selector switch 96x96mm</b>				
	<b>01 Set (Changeover should be ON-LOAD type.)</b>				
	<b>100Amps 4pole Cu. Bus Bar. 01 Set.</b>				
	<b>100Amps 4 pole Change over switch. 01 No.</b>				
	<b>100 Amps FP MCCB 25KA as Gen - Set main incoming 01 NO.</b>				
	Volt meter 0-500volt A.C. 50 Hz.96x96mm with selector switch. AE make.n				
	01 Set				
	20mmdia LED indicator lamp 06 Nos.				
	02 Amps Sliding Fuse. 06 Set.				
	150x100mm enamel <b>Danger</b> board 440 volt.				
	(to set on bus bar cover). 01 No.				
	Cable entry from top & bottom - removable gland plates (bottom at 2 points) c/w	Set	1		
5.1	<b>POWER DB &amp; AC DB. Make standard/Legrand/ABB</b>				
	<b>6 way TPN MCB DB with</b>				
	63 TP&N MCB as main				
	16Amps SP MCB - 9 Nos+32AMPS SP X9 NOS.				
	including Neutral Bar. 01 Set	Set	1		
5.2	<b>LIGHTING DB Make standard/Legrand/ABB</b>				
	<b>6 way TPN MCB DB with</b>				
	63A TP&N MCB as main				
	16 Amps SP MCB - 03 Nos.+				
	10 Amps SP MCB - 09 Nos.				
	Including Neutral Bar. 01 Set	Set	1		
6	<b>UPS SYSTEM</b>				
6.1	<b>UPS Main DB</b> Supply, erection, testing and commissioning of three phase 4 WAY, TPN MCB DB double door type with "C" Curve MCBs, IP 42 powder coated for UPS with 63A 4P MCBs – 1No as INCOMER 32A TP MCBs – 4 Nos. as OUTGOING Including all interconnections & accessories etc MAKE standard/Legrand/ABB	Nos	1		
6.2	<b>UPS DB-1 &amp; 2</b> 8 Way SPN MCB DB with 'C' curve MCBs. <b>Incoming</b> : 1 No. 40A DP MCB <b>Outgoing</b> : 6 Nos 6/10A SPO MCBs Make standard/Legrand/ABB	Nos	1		
6.3	Supply and installation of modular type 3 nos 6A multi pin sockets with 2 nos 6A one way switch with indicator housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including making connections complete the rate inclusive of Supplying and running of 3 runs of 2.5 sq.mm UPS DB's to individual powerstation through .(looping 2 sets of 3X6 A socket outlet in one circuit / or as per SLD the following size of 660 volts grade, Finolex brand PVC insulated wire (For UPS point only).)	Nos	9.00		
6.4	Supply & Laying of 4 runs of 6.0 Sqmm and 2 runs of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid / flexible metal conduit from MainUPS DB to auto phase shifter.	mtr	20.00		
6.5	Supply, installation, testing and commissioning of 40A rated 3 phase to single phase auto phase shifter for 3.0 KVA UPS (SLHD of Swift make)	Nos	2.00		

6.6	Supply & Laying of 2 runs of 6.0 Sqmm and 1 run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid PVC conduit from automatch phase shifter to UPS unit	mtr	10.00		
6.7	Supply and Installation of Moduler type 20A plug & socket housed in for UPS output control	Nos	2.00		
6.8	Supply & Laying of 2 runs of 4.0 Sqmm and 1 run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid / flexible metal conduit from 3 KVA UPS to UPS DB	mtr	10.00		
7	<b>Earthing</b>				
7.1	<b>Supplying and earthing of :</b> 600mmX600mmX3mm electrolytic copper plate connected to a 40mmX3000mm "B" class GI pipe by means of 4 no. "L" clamps with stainless steel bolts and nuts and washers, buried under the ground with one run of 25mmX3mm copper flat connected to the copper plate by means of 2 no. stainless steel bolts and nuts and washers run along the pipe upto the top and connected to a suitable clamp fastened to the earth pipe at every one meter length. The earth pipe should have 10mm holes at 150 mm apart along the length all round. The above said assembly should be installed in an earth pit of size 750 mmX750mmX 3250mm and filled with charcoal and salt mixed with sand in alternate layers of 150mm each upto a height of 3000mm from the bottom. The outgoing 10 sq.m insulated copper wire in PVC conduit to be connected directly to the earth flat from the bottom of the pipe by means of a steel bolt, nuts and washers. The cost of digging the pit, backfilling and shifting the debris shall also be included. (Maintenance free earthing with 10 years warranty & necessary certificate to be provided)	No.	1.00		
7.2	1 run of 7 /20 PVC insulated wire along with PVC conduits for earthing.	mts	50.00		
	<b>SUB TOTAL - I</b>				
8	<b>ELECTRICAL FITTINGS (S/I/T/C)</b>				
8.1	S/I/T/C of Fixture recessed type 2'-0" x 2'-0" Philips cat. no. (RC380B G2 LED 28S 4000 PSD OD WH) PHILIPS MAKE.	Nos.	8		
8.2	S/I/T/C SURFACE & WALL MOUNTED LED BETTEN, (BN150W LED13S - 6500 PSE OD GR	Nos.	10		
8.3	S/I/T/C Round down light Philips cat. no. (DN193B LED12S - 3000 PUS WH S1	Nos	32		
8.4	S/I/T/C RC 380B LED 32S -6500 L120W 30 PSU OD PHILIPS MAKE	NOS.	0		
8.5	S/I/T/C 225 mm dia heavy duty Exhaust fan 230 volt A.C.( EPC / Crompton make).	Nos	4		
8.6	S/I/T/C <b>Metal body Wall mounting fan</b> 450 mm dia 230 volt A.C.	Nos.	9		
8.8	S/I/T/C of 36" CEILING FAN WHITE COLOUR(ORIENT/KHAITAN)	Nos.	2		
8.9	S & F of Rope Light with driver (Philips/ Bajaj/ Havells)	Rmts.	25		
	<b>SUB TOTAL - II</b>				
	<b>TOTAL FOR ELECTRICAL WORK (I+II)</b>				

PROJECT: INDIAN BANK AT KAKROLA BRANCH.					
SUB:- DATA SYSTEM & TELEPHONE WIRING					
ARCHITECT :- BURMAN ET.AL.					
S.No.	ITEM	QTY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
	<b>TELEPHONE SYSTEM</b>				
1	Wiring for telephone points with 2 pair 4/5 pair .51mm dia ATC (annealed tinned Cu wire) with PVC insulated PVC sheathed telephone cable from tag block to the point including providing ferrules at both ends and termination at both ends including providing & fixing RJ 11 outlet, faceplate and mounting box complete of modular type (where 2 such points are shown, 2 such wires shall be provided) This work includes providing PVC conduits in chases from the raceway to the point. ( 1 each for branch manger, assistant branch manager & server room)	8	nos.		
2	Supplying, laying, effecting terminations, testing and commissioning of 0.51mm dia Cu. Conductor, twisted , colour coded with polythene capor barrier, telephone cables in the existing tray or in conduit including providing &fixing conduit pipe or cable tray as required from building tag block to the floor as required.				
(a)	1x10 pair armoured cable from telephone connection in the premises to the crone box	25	rmt		
(b)	Supplying & fixing 20 pair krone tag block with enclosure.	1	nos.		
	<b>DATA SYSTEM - CONDUITING &amp; CABLING</b>				
1	Providing and laying UTP CAT 6 data cable for nodes through 25mm dia PVC conduit through floor, wall and partitions etc including all necessary materials from main Hub to building tag block (BSNL)	30	rmt		
2	Wiring for computer networking from I/O hub to computer workstation with UTP Cat -6 computer cable including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter , RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits ( 1/2" , 3/4" size or as required) in chases from the I/O hub to the point.The cost includes testing, commission etc complete. <b>Note : Do not run more than more than 3 wire in single nine &amp; should be concealed</b>	12	nos.		
3	Supply of CAT-6 Dlink Patch Cord 7 ft	12	Nos.		
4	Supply of CAT-6 DLink Patch Cord 3 ft	12	Nos.		
5	Supply/Fixing of CAT-6 Jack Panel 24 Port	1	Nos.		
6	Size19" Rack 9U with Glass Door , Locking system Make: APW	1	Nos.		
7	S/F 24 Port D Link switch	1	No.		
	<b>TOTAL</b>				

PROJECT: INDIAN BANK AT KAKROLA BRANCH.					
SUB:- AC WORK					
ARCHITECT :- BURMAN ET.AL.					
S.NO	ITEMS	UNIT	QTY	RATE	AMOUNT
<b>1</b>	<b>Supply of Air cooled Hi Wall Split AC type Units Comprising Of: (3 STAR)</b>				
<b>a</b>	3-Star rated Hi-wall split airconditioner of 2.0 TR capacity	Each	0		
<b>b</b>	3-Star rated Hi-wall split airconditioner of 1.5 TR capacity	Each	0		
<b>c</b>	3-Star rated Hi-wall split airconditioner of 1.0 TR capacity	Each	0		
<b>2</b>	Uninstalling existing Split AC from the existing Branch and reinstalling the same in new Branch with proper servicing, Gas Charging and any other relater work to make the Acs fully functional/operational, complete to the satisfaction of the architect.	Each	4		
<b>3</b>	<b>Copper Pipes</b>				
<b>a</b>	Charges for providing additional copper pipes (one circuit) for the above split units with necessary insulation and with adequate pvc insulated copper wire from indoor to outdoor units concealed and taken through beyond the standard <b>5 mtr</b> length.	Rmt	80		
<b>4</b>	<b>DRAIN PIPING</b>				
<b>a</b>	Charges for providing additional 25mm dia heavy duty PVC drain piping with all necessary fittings duly insulated with 9mm thick nitrile rubber pipe insulation drain pipe concealed / surface mounted and taken through wall / partition beyond the standard 5m length for the above split units.	Rmt	80		
<b>5</b>	<b>STABILIZERS</b>				
<b>a</b>	Supply, installation, testing and commissioning of wall mounting <b>4KVA</b> stabilizers for 1.5Tr & 1.0Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	0		
<b>b</b>	Supply, installation, testing and commissioning of wall mounting <b>5KVA</b> stabilizers for 2.0Tr Hi-Wall Split / Cassette type Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	0		
<b>6</b>	<b>Electrical Cable :-</b>				
<b>a</b>	Providing & fixing of 2.5 Sqmm wiring interconnected electrical indoor & outdoor unit as req. complete as per design & wiring between specification of manufacturer.	Rmt	80		
<b>7</b>	<b>Providing and fixing standard powder coated support brackets &amp; including grille gauge with locking arrangemnet for the above split / cassette units including fasteners and other accessories as required.</b>				
<b>A</b>	For split air conditioner	Each	4		

8	Civil Work For cutting Chisling Plastering of walls to conseal copper pipe, Drain pipe & Electrical wire with plaster finish.	LS	1		
	TOTAL				

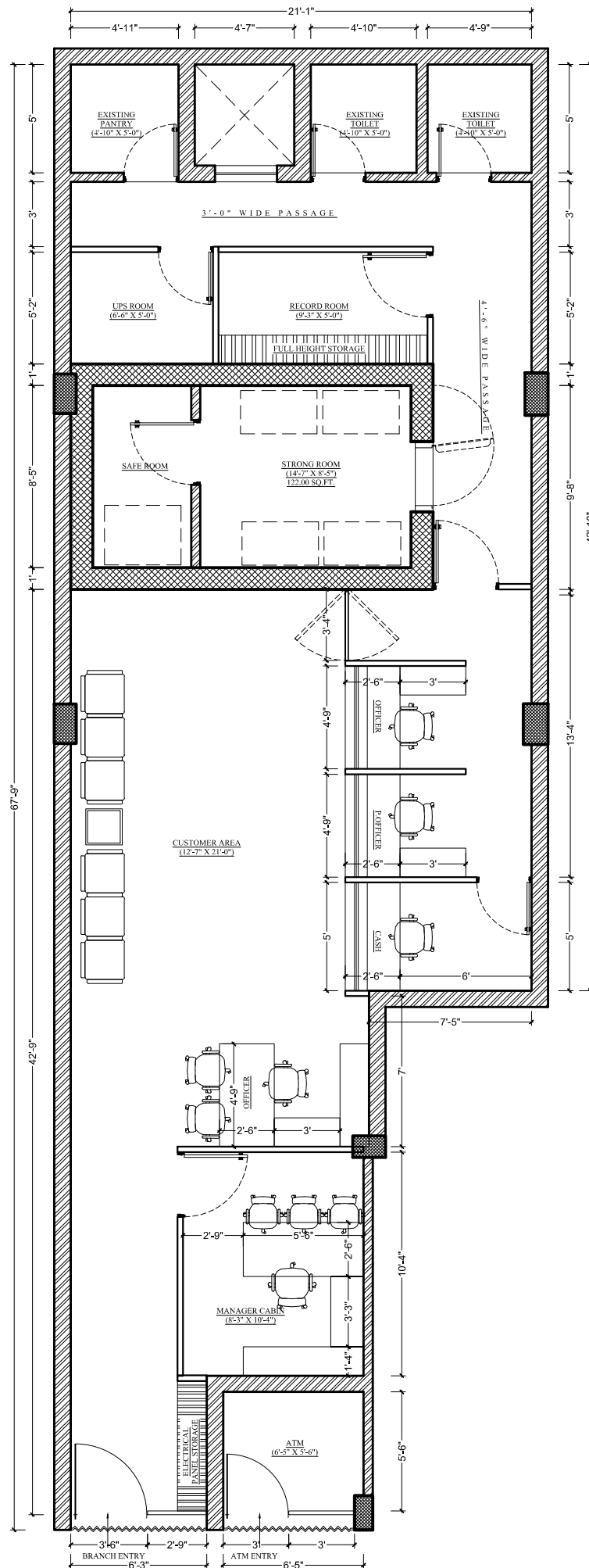
PROJECT: INDIAN BANK AT KAKROLA BRANCH.					
SUB:- INTERIOR, ELECTRICAL, AC WORKS (ATM)					
ARCHITECT :- BURMAN ET.AL.					
SL No	PARTICULARS	UNIT	QTY	RATE	AMOUNT
	<b>INTERIOR WORK</b>				
1.0	<b>GRID FALSE CEILING ( 600mm X 600mm ):-</b> Providing and fixing suspended false ceilingconsisting of Armstrong/ Decophone or equivalent make 600mm x 600mm Tiles with tegular edges , slim line suspension system grid, Classic fine textured or approved pattern , on G.I frame work Complete in all respect as per manufacture's specifications, designs and architect's approval. Rate quoted to include cost of providing support framework formed of perimeter channels for fixing light fixtures, AC grills/diffusers etc. Also to provide concealed perimeter channel support as required to support modular grid ceiling sections at junction between gypboard false ceiling and modular grid tile ceiling. Rates to include Providing and fixing 50 mm Metal Axiom on periphery of Modular ceiling as per the design and details of the Architects.rops.	SQ.FT.	40		
2.0	<b>MAIN ENTRANCE :</b> Providing and fixing front Frameless Patch Fitting Door with 12mm thick toughened glass with frame less glass fittings joining 2 glass & double action floor springs (Hettich/Dorma/Godrej) as per design. The item includes providing and fixing S.S. handle not less than 600mm long on both side of glass, locks and fittings (Haffle/ Hettich/ Ozone) as per the manufacturer's specifications etc. complete to the satisfaction of Architect/ Bank's Engineer.	SQ.FT.	25		
3.0	Providing & fixing <b>12mm thick toughend fully Glass Partition</b> in front of cabins for Manager and also Branch Front Entrance, glass fixed with S.S. clamps on sides and top & S.S. u-channel in the ground as per detail drgs. and complete to the satisfaction of Architect/ Bank's Engineer.	SQ.FT.	35		
4.0	<b>SOFT BOARD / NOTICE BOARD :-</b> Providing and fixing soft board with necessary framework with 12mm BWR plywood on top 12 jolly board to be fixed finished with fabric @Rs80 , with necessary mouldings duly polished along the periferi. <u>All as per the design and instructions Bank.</u>	SQ.FT	6		
5.0	<b>ACP WALL PANELLING :-</b> Providing & fixing in position ACP (Aluminium Composite Panel) with framing of Aluminium Tube sections of min 1.5"x 1" and 20 gauge 2'-0" C/C both ways. ACP to be in 2' wide panels or distributed equally. Panels to be fixed to the frame with 3M or equi-valent adhesive. Joints to be finished with Silicon based sealant. Minimum ACP thickness-3 mm. Aluminum foil thickness to be min 0.25 mm on both sides. Alubond, Eurobond, Fujibond, Alcobond or equivalent ISO certified or approved brands to be used. White (IVORY) & Blue to be as per bank's approval. Additional Sections to be provided to fix the Indoor AC units. Both AC units to be installed near the machine area at the highest position. The rate shall be included for providing proper access panel for ATM power point and shall have proper locking arrangement for plug point by provding additional framing. ( The measurement shall be made up to false ceiling).	SQ.FT	170		
6.0	<b>MAIN ELECTRICAL PANEL STORAGE / BACK ROOM :-</b> Providing and fixing partition made up on Aluminium box section with 2"x2" and 20 gauge with 2'0" C/c Both ways ,and to be ffixed on inside 3 mm thick Aluminum Composite panel and rear side (only where backroom/storage is available) with 8 mm thick plywood finished with 2 -coat colour enamel paint.The rate inclusive of providing and fixing of Access Door with teak wood louvers, and necessary accessories including handle & locking arrangement and necessary hardware complete as per details. <u>All as per the design and instructions Bank.</u> <u>Note: - For the purpose of payment partition shall be measured including the area of door / door frames up to false ceiling height.</u> <u>Framework shall be rigidly secured to floor, bottom of slab &amp; existing walls at 2'-0" c/c with dash fasteners. ( Including one wooden Shelves).</u>	SQ.FT	25		

7.0	<b>Grouting:-</b> ATM to be firmly embedded into the ground with para bolts/anchor bolts through the SAFE of the ATM. Scope of work includes moving/tilting of machine ,Drilling 8"-10" holes in the existing flooring using concrete drill bits, Hammering metal sleeves in these holes, Repositioning the machines over the existing markings, Anchor fasteners to be put in places, Min. 6" long anchor fasteners, preferably of Fischer make, Applying resin adhesive (Araldite) over the finished bolt positions for improved bonding and Repairing the broken tiles, if any	job	1		
	<b>ELECTRICAL WORK</b>				
8.0	<b>ELECTRICAL WIRING &amp; EARTHING</b>				
8.1	Supply, laying, connection & testing of light, fan point, wiring by 2x1.5mmsq(2x3/.029) +1x1mmsq PVC insulated, multistrand single core copper conductor FRLS wire maintaining the colour code as per direction in PVC conduit of 20mm with ISI mark 1.5mm thickness to conceal in wall partition mending good the damage, complete with PVC circular box, bend to be done as per drawing including 3 point ceiling rows wherever required GI saddle to be used for fixing, metal flexible/PVC flexible pipe may use if required in partition wall. All PVC pipes should be with ISI mark. No joints will be allowed inside pipe, light, fan & plug point complete with modular type switch plate & MS box . rate Including the main circuit line 2x2.5mmsq+1x1.5mmsq earth PVC insulated Cu. Wire from DB to switch board ,maintaining the colour code. Circuit line for lighting switch board & 6Amps plug board are to be drawn from lighting DB to Lighting board & plug point board (independent ), 6/16 Amps plug point line are to be draw from power DB.as per DB schedule /SLD.				
8.1.1	1 light by 1 switch ( Raw 2, UPS 1)	Nos.	1		
8.1.2	2 light by 1 switch (Raw -1 UPS -1)	Nos.	0		
9.0	Wiring for independent 6A multi pin socket along with 6A modular type switches housed in painted MS box (raw)	No	1		
10.0	Same as above 5A Point in the switchboard itself (raw).	No	1		
11.0	Supply and installation of modular type 2 nos 6A multi pin sockets with 2 nos 6A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer including wiring for Raw power socket outlet using 2 runs of 2.5 sqmm and single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 20mm PVC conduit to be laid in floor, partitions, etc. complete with all accessories ( UPS Power for CCTV).	No	1		
12.0	Supply and installation modular type 16A, 5-16 pin socket with 16A one way switch housed in MS box to be fixed in partitions or concealed in wall. The box shall be painted with 2 coats of enamel paint over a coat of red oxide primer , the rate shall include wiring fusing 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories.(UPS wiring for ATM) one circuit for one 16 amps pin socket .The rate inclusive of machine cutting the tiles from ATM power input to the ATM and laying of 25mm Upvc sleeves in order to run th wire with concealed manner. No power point shall be visible from ATM room inside.	Nos.	2		
13.0	<b>Electrical work for AC</b>				
13.1	Supply and fixing 20A 3-pin modular socket with 20A one way switch with indicator (near AC indoor unit) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) -(from Stabilizer to IDU)Supply.	Nos	2		
13.2	Supply and fixing 20A - 3 pin metal clad socket with plug controlled by a 20A SP MCB (for AC wall mounted stabilizers) housed in manufacturers MS powder coated box to be concealed in wall including Wiring using 2R 4.0 sqmm & single run of 2.5 sqmm PVC insulated multi stranded single core copper conductor FRLS wire in 25mm PVC conduit to be laid in floor, partitions, etc complete with all accessories. (for split AC units) from AC DB to Stabilizer.	Nos	2		
14.0	<b>ELECTRICAL FITTINGS, MAIN BOARD, DB'S &amp; FIXTURE</b>				

14.1	Fixture recessed type 2'-0" x 2'-0" Philips cat. no. (RC380B G2 LED 28S 4000 PSD OD WH) PHILIPS MAKE.	Nos.	1		
14.2	Round down light Philips cat. no. (DN193B LED12S - 3000 PUS WH S1.	Nos	0		
15.0	LAYING OF CABLE :				
15.1	Supply laying fixing main power with 16mm sq 3.5 core PVC insulated,PVC sheated Alu.Conductor, 1100 v. grade armoured cable complete with	Mts.	20		
15.2	End termination of 16 mmsq 3.5 Core armoured cable,complete with brass cable gland , Alu. Lug, PVC tape.	Nos	2		
16.0	DISTRIBUTION BOARDS .Make standard/Legrand/ABB				
16.1	Main DB :S/I of 4 way TPN DB approved brand legrand /Standard/ABB 63A FOUR POLE Isolator as main (incomer) 32 A 3 POLE MCB 2 NOS (for UPS-1 & Power,lighting) 10 Amps SP MCB 1 NO FOR LIGHT AND 10A SP MCB 2NOS FOR POWER. 2 No. 20 AMP MCB SP FOR SPLIT AC.and 1 No 10 Amp spare Or as per SLD including Neutral Bar. 01 Set	Set	1		
17.0	UPS DB : 8 WAY SPN DB FOR UPS , 32AMP DP 2 Nos ( 1 No for Incoming &1 No for Outgoing) 10A SP MCB 1 NO FOR UPS LIGHT, 16A SP MCB 2NOS FOR ATM , 16A MCB FOR CCTV or as per SLD	Set	1		
18.0	Supply, installation, testing and commissioning of 32Amp rated 3 phase to single phase auto phase shifter for ATM UPS (SLHD of Swift make)	Nos	1		
19.0	Supply & Laying of 4 runs of 4.0 Sqmm and 2 run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid PVC conduit from DB TO AUTO PHASE SHIFTER	Mts	10		
20.0	Supply & Laying of 2 runs of 4.0 Sqmm and 1 run of 2.5 sqmm, PVC insulated, single core, multistranded copper conductor cable in suitable rigid / flexible metal conduitfrom UPS out put / Input control to UPS DB	mtr	10		
21.0	Supply and Installation of Moduler type 20A plug & socket housed in for UPS INPUT /OUT PUT CONTROL	Nos	2		
22.0	EARTHING STATION :				
22.1	Earthing installation as per I.E. rule conforming to IS 3043-1987 or its latest amendment by making earth station with 600x600x3mm(mini-mun) thick copper plate electrode to be installed such that is top edge shall be at a minimum depth of 3.3mts below ground level after preparation of ground with charcoal, sand ,& salt, connecting the 25x3mm thick copper lead in strip (upto 10 mts length) by bolting and brazing to the copper plate complete with Brass bolt of suitable length double nuts & washer including supply & fixing of 50mm dia 2.3Mts long partly perforated G.I. Pipe with funnel for watering arragment.	Set	1		
	N.B :- The Copper plate to be buried under 3.3Mts depth from ground level, including C.I. Pit 300x300mm with necessary brick wall ( For UPS earthing).				
22.2	Supply laying 2x8SWG copper bear wire from earth spike to main panal.(Electrolite wire)	Mts	1		
	AC WORK				
23.0	Supply of Air cooled Hi Wall Split AC type Units Comprising Of: (3 STAR)				
23.1	3-Star rated Hi-wall split airconditioner of 2.0 TR capacity	Each	0		
23.2	3-Star rated Hi-wall split airconditioner of 1.5 TR capacity	Each	0		
23.3	3-Star rated Hi-wall split airconditioner of 1.0 TR capacity up to 3 meter copper pipes	Each	0		
24.0	Uninstalling existing Split AC from the existing Branch and reinstalling the same in new Branch with proper servicing, Gas Charging and any other relater work to make the Acs fully functional/operational, complete to the satisfaction of the architect	Each	0		
25.0	Copper Pipes				



25.1	Charges for providing additional copper pipes (one circuit) for the above split units with necessary insulation and with adequate pvc insulated copper wire from indoor to outdoor units concealed and taken through beyond the standard <b>5 mtr</b> length.	Rmt	15		
26.0	<b>DRAIN PIPING</b>				
26.1	Charges for providing additional 25mm dia heavy duty PVC drain piping with all necessary fittings duly insulated with 9mm thick nitrile rubber pipe insulation drain pipe concealed / surface mounted and taken through wall / partition beyond the standard 5m length for the above split units.	Rmt	20		
27.0	<b>STABILIZERS</b>				
27.1	Supply, installation, testing and commissioning of wall mounting <b>4KVA</b> stabilizers for 1.5Tr & 1.0Tr Hi-Wall Split Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	0		
27.2	Supply, installation, testing and commissioning of wall mounting <b>5KVA stabilizers</b> for 2.0Tr Hi-Wall Split / Cassette type Air Conditioning units with input voltage range of 170-270 Volts and output 220 +/- 10% as required.	Each	0		
28.0	<b>Electrical Cable :-</b>				
28.1	Providing & fixing of 2.5 Sqmm wiring interconnected electrical indoor & outdoor unit as req. complete as per design & wiring between specification of manufacturer.	Rmt	25		
29.0	<b>Providing and fixing standard powder coated support brackets &amp; including grille gauge with locking arrangement for the above split / cassette units including fasteners and other accessories as required.</b>				
29.1	For split air conditioner	Each	2		
30.0	<b>TIMER</b>				
30.1	Supplying and fixing 0-24 hrs electronic timer with 2nos 25A SP MCBs, 2 nos 25A TP contactors completely wired housed in a suitable powder coated enclosure with hinged door and mounted on wall with all interconnections. (for ac units in System Room)	No	1		
31.0	<b>Civil Work</b> For cutting Chisling Plastering of walls to conceal copper pipe, Drain pipe & Electrical wire with plaster finish.	LS	1		
	<b>Data Cabling</b>				
32.0	Wiring for computer networking from I/O hub to ATM with UTP Cat -6 including providing ferrules at both ends and termination at both ends including providing & fixing frame for with shutter, RJ 45 outlet, faceplate and mounting box complete of modular type, This work includes providing PVC conduits ( <b>1/2" , 3/4" size or as required</b> ) in chases from the I/O hub which is in BM cabin to the point. The cost includes testing, commission etc complete.	No	2		
33.0	Supply of CAT-6 Dlink Patch Cord 7 ft . The rate inclusive of the necessary arrangement to be made for conceal the data line from I/O box to ATM connection	No	1		
34.0	Supply of CAT-6 DLink Patch Cord 3 ft	No	1		
	<b>GRAND TOTAL ATM WORK</b>				



PROJECT:-

**PROPOSED INTERIOR FURNISHING  
WORK FOR INDIAN BANK AT KAKROLA.**

SHEET TITLE:

REV. INTERIOR LAYOUT  
GROUND FLOOR

DRW NO:- BETAL/IBKA/DL/AR/01

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OPTION - 04

Date:- 18.11.2023.

Dealt :- Deepak Singh Negi

Checked :- J. Burman Roy

Sheet No :- 01



Revision No

Date

Description



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Architecture .Interior .Engineering.QAQC

Villa No:- 05, Basement, Block-2, Eros Garden,

Charmwood Village, Surajkund Road,

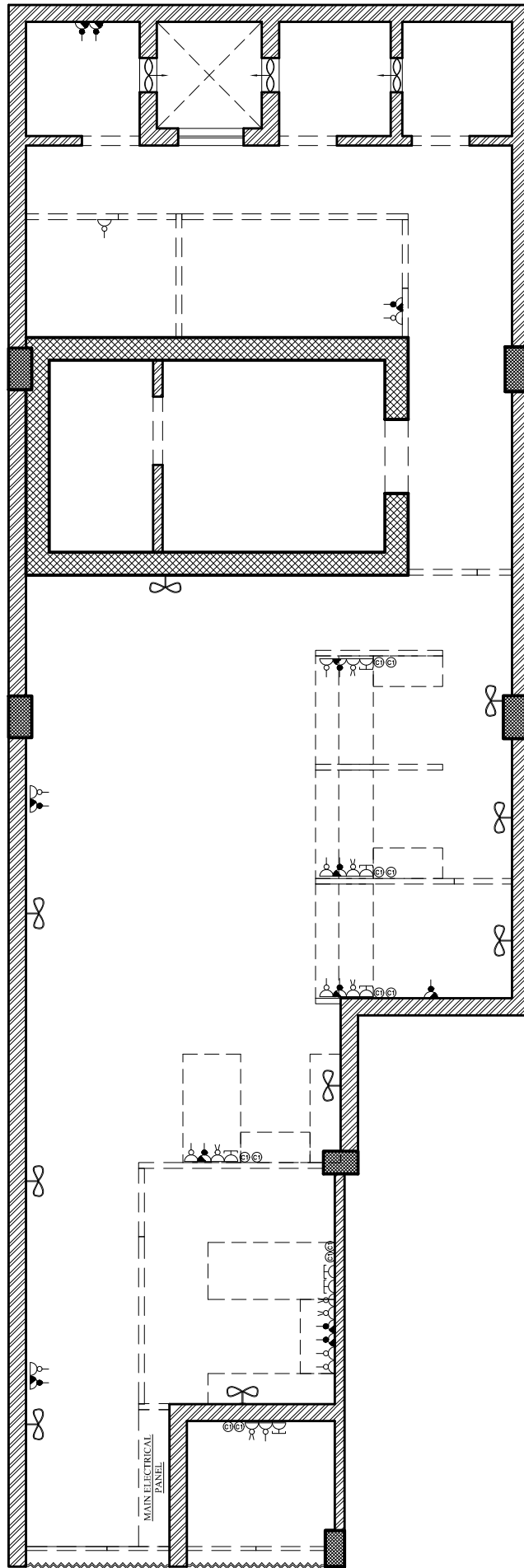
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LEGEND OF SMALL POWER	
SL.NO	ITEAM NAME
Ⓒ1	DATA POINT
	6A- 3NOS.SOCKET AND 1 NO.16A SWITCH ABOVE THE TABLE
	6A RAW POWER POINT
	16A RAW POWER POINT
	VOICE POINT
	WALL FAN

PROJECT:-

PROPOSED INTERIOR FURNISHING  
WORK FOR INDIAN BANK AT KAKROLA.

SHEET TITLE:  
SMALL POWER LAYOUT  
GROUND FLOOR

DRW NO:- BETAL/IBKA/DL/AR/01

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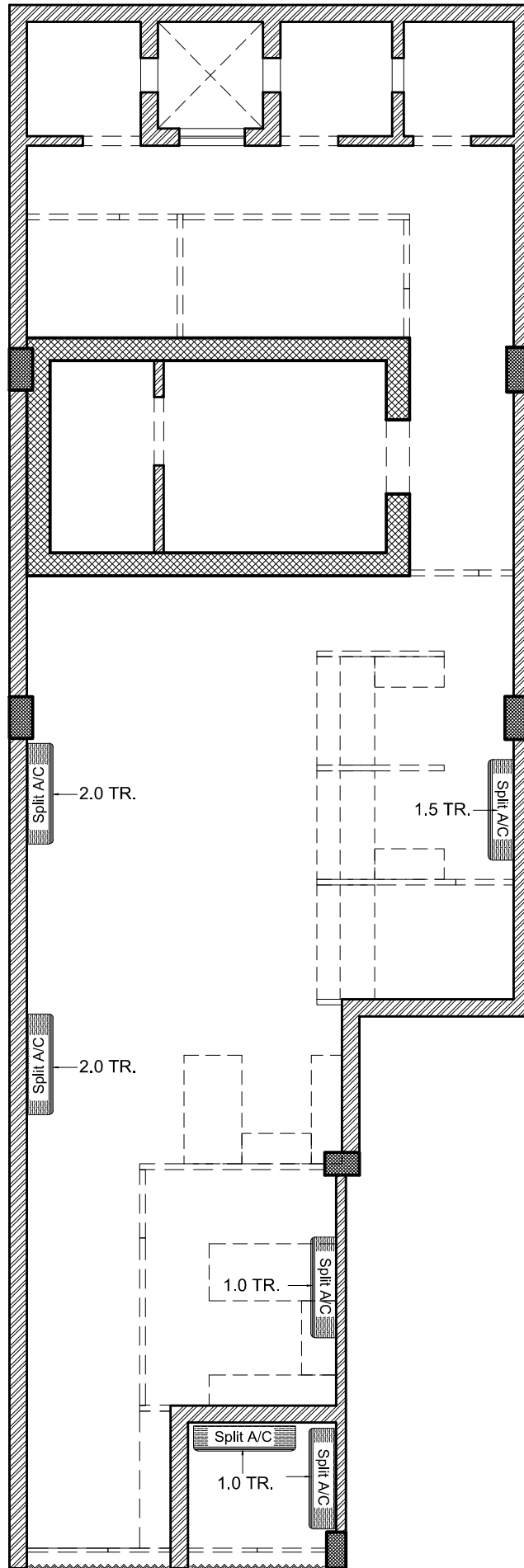
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Revision No Date Description



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PROJECT:-  
  
PROPOSED INTERIOR FURNISHING  
WORK FOR INDIAN BANK AT KAKROLA.

SHEET TITLE: AC LAYOUT PLAN GROUND FLOOR
DRW NO:- BETAL/IBKA/DL/AR/01
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Sheet No :- 01



Revision No	Date	Description



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