

# **UNION BANK OF INDIA**

## **REGIONAL OFFICE: AYODHYA**

436, Attardeep Complex, Devkali Bypass, Near Panchsheel Hotel, Ayodhya

**ONLY EMPANELLED CONTRACTORS OF UNION BANK OF INDIA, AYODHYA REGION ARE  
ELIGIBLE TO APPLY**

**Electrical, AC and LAN WORK OF UNION BANK OF INDIA AT RAMPATH BRANCH, RAM JANM BHOOMI  
AYODHYA DHAM AYODHYA**

### **TENDER DOCUMENT**

NAME OF THE CONTRACTOR :  
ADDRESS :  
DATE OF SUBMISSION : On or Before 24.05.2024 Up to 5.00 p.m.  
DATE OF OPENING : 24.05.2024 at 6.30 p.m.

### **ARCHITECT**

Gunjan and Associates  
Architects, Engineers, Interiors  
And landscape designers  
141, Sainik Nagar lane No.9  
Raebareilly Road Lucknow-226002

UNION BANK OF INDIA  
REGIONAL OFFICE: AYODHYA  
436, Atterdeep Complex, Devkali Bypass, Near Panchsheel Hotel, Ayodhya  
To,

**Contractors empaneled with Union Bank of India, RO, Ayodhya.  
TENDER NOTICE**

**Sub.: -Tender for Electrical, AC and LAN WORK of Union Bank of India at RAMPATH BRANCH, RAM JANM BHOOMI AYODHYA.**

We hereby invite you to submit your quotation for above mentioned work. The specifications, special conditions of contract and schedule of work to be carried out is enclosed herewith. You are requested to inspect the site and the nature of work prior to submitting the tenders. You are requested to submit your most competitive offer complete in all respect or each THE REGIONAL HEAD, UNION BANK OF INDIA, REGIONAL OFFICE: AYODHYA, 436, Atterdeep Complex, Devkali Bypass, Near Panchsheel Hotel AYODHYA, UP by 17.00.00 hrs. till 24.05.2024.in a sealed cover with the name & address of your firm on the left-hand bottom corner.

Tender forms can be downloaded from 18.05.2024 to 24.05.2024 from Bank's website. The tender forms are to be downloaded from website.

The last date of submission of tenders, duly filled in, is up to 05.00 p.m. on 24.05.2024 to **THE REGIONAL HEAD, UNION BANK OF INDIA, REGIONAL OFFICE: AYODHYA, 436, Atterdeep Complex, Devkali Bypass, Near Panchsheel Hotel AYODHYA.** The rates shall be filled both in word sand figures. The envelope should be accompanied with demand draft of Rs. **14000.00 (Fourteen Thousand)** as Earnest money Deposit. A tender not accompanied by such declaration form will not be considered. The draft shall be made in the name of Union Bank of India Payable at Ayodhya. **Contractors who have MSME Certificate shall be exempted from EMD**

The rates quoted will include and cover all cost, expenses, and liabilities of very description and all risk of every kind to be taken in execution and in govern the work to the Bank.

The Tenderer must check all the pages of the Tender Form at the time of collecting the Tender from this office, If, any pages is found missing, it shall be immediately brought to the notice of the Bank, It may be noted that the Tender will be disqualified any page is found missing after opening the Tender.

Each page of the tender shall be accompanied signature of the bidder over his name stamp.

Bank reserves the right to accept or reject lowest or any other bid in full or in part and/ or accept any bid other than the lowest in full or in part without assigning any reason, whatsoever. No correspondence will be accepted/ entered in this connection and Bank's decision shall be final, conclusive and binding on all.

The following document for submitting part of tender, are enclosed here with.

1. Tender Notice
2. Introduction.
3. Special Instructions & conditions.
4. Letter of Offer.
5. Preamble to B.O.Q.
6. Mode of Measurement.
7. List of Approved Manufacturers for materials.
8. Bill of quantities.

This tender notice shall form part of the contract and non-submission of tender in the above manner will render your offer liable for ejection.

Thanking you,

DEPUTY REGIONAL HEAD  
REGIONAL OFFICE: AYODHYA

## INTRODUCTION

1. NAME OF THE CLIENT	UNION BANK OF INDIA	
2. FIRM OFFERING CONTRACT	.....	1.
3. ARCHITECT	<b>Gunjan &amp; Associates</b>	
4. SITE ADDRESS BARABANKI Branch	RAMPATH BRANCH, RAM JANM BHOOMI AYODHYA	
5. SCOPE OF WORK	<b>Electrical, AC and LAN WORK</b>	
6. A. DATE OF DISPLAY ON WEBSITE	18.05.2024	
A. ISSUE OF TENDERS	FROM BANK'S WEBSITE	
B. SUBMISSION OF TENDERS AT RO, AYODHYA, UNION BANK OF INDIA,	ON OR BEFORE 24.05.2024 UPTO 5.00PM.	
C. DATE OF OPENING OF TENDERS	ON 24. 05. 2024 AT 6.30 PM	
D. Estimated cost of works	Rs. 6,92,935	
7. TIME LIMIT FOR EXECUTION	15 Days	
8. EARNEST MONEY DEPOSIT	14,000/- <b>(Fourteen Thousand)</b> Union Bank of India Payable at Ayodhya. Contractors who have MSME Certificate shall be exempted from EMD	
9. SECURITY DEPOSIT	2%(Approx) OF VALUE. COST OF WORK	
10. TOTAL S.D. INCLUDING	8% OF COST OF WORK (RETENTION MONEY)	
11. DEFECT LIABILITY PERIOD	1 YEAR FROM DATE OF COMPLETION OF WORK	
12. INSURANCE	100% OF CONTRACT VALUE	
PENALTY OF DELAY AMOUNT OF LIQUIDATED DAMAGE WILL BE 10% OF COST OF WORK.	1% OF THE CONTRACT SUM PER WEEK MAXIMUM	
<b>Tender Document Cost</b>	<b>Rs. 500.00 in form of DD in favor of UNION BANK OF INDIA</b>	

To,  
The Regional Head  
Union bank of India,  
Regional Office: Ayodhya  
436, Atterdeep Complex, Devkali Bypass,  
Near Panchsheel Hotel Ayodhya.

Dear Sir,  
LETTER OF OFFER

**Subject: -Tender for Furnishing Work of Union Bank of India at RAMPATH BRANCH, RAM JANM BHOOMI AYODHYA**

With reference to the tenders regarding the above work invited by you, we have to state as under;  
We declare that be for quoting the rates, we have visited the site and our rates are as per present site condition, Further, we herewith submit the “**Rs. 14000.00 (Fourteen Thousand)**” as Earnest Money for due execution of the works at my / our tendered rates as per the Terms of Contract. In the event of this tender being accepted, I / We agree to enter into and execute the necessary contract documents as required by you.

As required by you, I / We are returning herewith the documents (in single) duly signed by us at each page in token of our acceptance of the provisions in the documents.

We hereby after to execute and complete the whole of the works strictly in accordance with the said conditions of on tract, special conditions of contracts, specifications and drawings at the rates set out against each of the items of work in the schedule of quantities. The total cost included in the above is Rs.06,92,935 /- (Six Lakhs Ninety Two Thousand Nine Hundred Thirty Five Only).

We have carefully read and clearly understood the conditions of contracts, special conditions of contract, and specifications. We agree to complete the work at the rate \ rates quoted by me \ us in the schedule of quantities and within the specified time from the date of work order awarding the work to us.

We understand the work is to be completed within scheduled time period.

Our rates are firm and include and cover all cost, expenses, and liabilities of very description and all-risk of every kind to be taken in execution and handing over the work to the Bank.

Thanking you,  
Yours faithfully,

NAME :\_\_\_\_\_ ADDRESS ;\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

TELE.NO. : \_\_\_\_\_  
FAX.NO. ; \_\_\_\_\_ MOBILENO.:\_\_

FORM OF AGREEMENT

THIS AGREEMENT made this.....Day of .....2024 between UNION BANK OF INDIA (here in after called "The Bank") of one part and .....(contractor name) of ..... (firm's name) .....having registered office at .....

(Herein after called "the Contractor") of the other part.

WHEREAS the Bank is desirous of carrying out Renovation work of ..... Branch. (Hereinafter called "the Work") and has caused drawings and Bills of Quantities showing and describing the work to be done to be prepared by or under the direction of Architect Shri ..... of M/s. .... AND WHEREAS the Contractor supplied the Bank with a fully priced copy of the said Bills of Quantities (which copy hereinafter referred to as "the Contract Bills") AND WHEREAS the said drawings (hereinafter referred to at "the Contract Drawings") and the Contract Bill shave been signed by on or behalf of the parties hereto: AND WHEREAS the contractor has deposited the "Bid Securing Declaration Form" with the Bank for due performance of this Agreement.

NOW IT IS HEREBY AGREED AS FOLLOWS

For the consideration hereinafter mentioned the contractor will upon and subject to the conditions annexed carry out and complete the work shown upon the contract Drawings and described by or referred to in the Contract Bill and in said conditions.

The Bank will pay the Contract or the sum of Rupees (here in after referred to as "the Contract Sum") of such other sum as shall be come payable here under at the times and in the manner specified in the conditions.

The term "the Architect" in the said conditions shall mean M/s.....or in the event of his death or ceasing to be the Architect for the purpose of this contract or such other person as the owner shall nominate for that purpose, not being a person to whom the contractor shall object for reasons considered to be sufficient by, mentioned in the said conditions. Provided always that no person subsequently appointed to be the Architect under this Contract shall be entitled to disregard or overrule and certificate or opinion or decision or approval or instruction given or expressed by the Architect for the time being.

Tender documents containing Notice to the Contractors, Conditions of Contract, Appendix there to, Special Conditions of contract, Specifications, Schedule of Quantities with the rates entered therein shall be read and studied as forming part of this agreement, and the parties hereto shall respectively abide by and submit themselves to the conditions, stipulations and perform the agreement son the in parts respectively in such conditions contained.

Time shall be considered as of the essence of this Agreement and the Contractor hereby agrees to commence the work soon after the site is handed over to him as provided for in the said conditions and to complete the entire work within 15 days from date of commencement of work, never the less to the provisions of extension of time.

This agreement and Contract shall be deemed to have been made in and any question or dispute arising out of or in any way connected with this agreement and contract shall be deemed to have arisen in and only the courts in Bombay shall have jurisdiction on to determine the same.

AS WITNESS the hands of the said parties. Signed by the said

In the presence of                      BANK  
Witness Name:  
Address:

Signed by the said  
In the presence of                      CONTRACTOR  
Witness Name:  
Address:

## TENDER FORM

The general Terms and Conditions that are more particularly set out here in below for the purpose of appointing contractors for the purpose of carrying out Renovation Work of RAMPATH BRANCH, RAM JANM BHOOMI AYODHYA Branch of UNION BANK OF INDIA and other ancillary activities which is herein after referred to as “the said work”. The definition and interpretation of the certain classes are more particular lysate the re under.

### DEFINITIONS

“THE SAID WORK” includes all items of Renovation Work of RAMPATH BRANCH, RAM JANM BHOOMI AYODHYA Branch of UNION BANK OF INDIA with bill of quantities, general terms & conditions / special conditions /technical conditions.

The “BANK” shall mean the “UNION BANK OF INDIA” having its registered address at Regional Office: AYODHYA, 436, Atterdeep Complex, Devkali Bypass, Near Panchsheel Hotel Ayodhya. UP and authorized representative (s) of the BANK to discharge all or any of its function.

The “CONTRACTOR” shall mean the individual or firm or Company, whether incorporated or not who is assigned the subject work, and shall include the personnel representative/ (s) of such individual person, firm or company of such individuals or firm or Company, successors and permitted assigns. The work contractor shall include “Sub-Contractor” if expressly permitted by the Bank in writing.

The “ARCHITECT / ARCHITECT” means the authorized person or persons nominated by the BANK for the purpose of the contract, who shall inspect, direct, Supervise, measure and issue certificates in respect of the said work and be in charge of the work for the purpose of this contract. It also includes any person claiming through or under them.

The “CONTRACT” means instructions to Contractor, Tender, the written acceptance thereof, a form agreement between ‘BANK’ and ‘CONTRACTOR’ (where completed) to execute the works as precondition on and specifications set in this document including Bill of Quantities.

The “SPECIFICATION” means specification referred to includes General, Special and Technical specifications (with drawings if any) and any modification thereof or addition thereof as many from time be furnished or approved in writing by the Architect/Bank.

The “CONTRACT PRICE” means the sum named in the tender subject to additions or deductions there from as the case may be.

The “PLANT & EQUIPMENT” of the contractor shall mean all plants, machinery, equipment, pipe work services and all other things to be provided, erected, commissioned and maintained in accord dance with Contract.

### ELIGIBILITY FOR TENDERING & GENERAL CONDITIONS OF CONTRACT

The tender must be submitted in a sealed cover super scribed with the name of the work as given above and the tenderers name & address on the bottom left side of the envelope and handed over to the BANK. Tenders will be received up to 17.00 hrs on 24.05.2024.

The tenderer should visit the site and acquaint himself with the site conditions and should study all the tender documents carefully and understand the tender contract conditions, specifications etc. before quoting. If there are any doubts, they should get clarification in writing.

Late tenders i.e. tender submitted / received after 17.00 hrs on 24.05.2024 will not be considered.

The tender documents are on-transferable.

All the entries in the tender documents must be made in English and all entries must be by hand and written ink. If any of the document is missing or unsigned, the tender may be considered din valid by the BANK in its discretion.

The tenderer should quote the rate and amount for the assessed quantities (area) of each item. The rates for each item should be written both in figures as well as in words. Erasures, alteration, and overwriting must be avoided. Wrong figures and words, if any, should be scored out and the correct figures and words neatly written authenticated by the signature of the tenderer. No advice of any change in rates or conditions after opening the tender will be entertained.

In the event of any discrepancy in the rates quoted in words and figures, the former shall be prevailed. Mathematical computation error, if any, in the amount shall however be rectified.

The Bank has assumed that Contractor is fully aware of all items of work. Some items of work will be done simultaneously, and some items will be done in sequence and different operations indifferent times.

The Contractor is responsible for the due and proper execution of all the works, terms and conditions stipulated under this contract. Before offering his tender, Contractors should visit the site of works to ascertain the nature of work and to collect all relevant information such as general, local, physical & climatic conditions of the site, availability, handling and storage of materials, water, electricity, availability of lab our, roads, the configuration of the ground. Any failure on the part of the Contractor in this regard shall not absolve him from any responsibilities or obligations under this contract and no claim whatsoever on account of these shall be entertained.

On receipt of intimation from the BANK for the acceptance of his/ their Tender, the successful Tenderer shall be bound to implement the Contract and within one days thereof, the successful Tenderer shall sign an agreement if called upon to do so, but the written acceptance by BANK of a Tender will constitute a binding contract between BANK and the person sot enduring, who the such formal agreement is or is not sub sequent executed.

The tenderer should note that unless otherwise stated, the Tender is strictly on item rate basis and his attention is drawn to the fact that rates for such a every item should be correct, workable and self-supporting. The quantities in the Schedule of Quantities approximately indicated the total extent of work but may vary and even be omitted thus altering the agree gate value of the Contract. No claim for any compensation shall be enter Taine din this regard.

The tenderer must obtain all the information which may be necessary for the purpose of tendering for himself, on his own responsibility and at his own expenses and for entering into a Contract must inspect the Site of the work and all matters pertaining thereto, regarding supplying, fabricating and erecting at Site without any damage to the existing property of the Client's or the neighbors, if any.

UNION BANK OF INDIA does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the tenders either in whole or in part, without assigning any reasons for doing so. UNION BANK OF INDIA also reserves the right to divide the work between two or more tenderers and the successful tenderers shall have to carry out even part orders for various items at quoted rates. No variation in rates shall be allowed on this account under any circumstances, whatsoever no correspondence will be accepted / entertained in this connection and Bank decision shall be final conclusive and binding on all.

The rates shall be firm and shall not be subject to exchange variations, lab our conditions, fluctuations in Railway Freights or any conditions whatso ever.

The rates quoted by the tenderer in the schedule of quantities will be deemed to be for the finished work and shall include all charges for:

***Design, Fabrication, supply and installation at Site, Lab our, maintenance, fixing, arranging, cleaning, making good, hauling etc.***

***Plant, double, scaffolding, framework, ladders, ropes, nails, spikes, tools, materials, workmen, protection from weather, temporary support, platform, and maintenance of the Same. Insurance for lab our materials and third party.***

***Packing, transportation, loading and unloading, freightage's, transit***

***Covering for the walling and other works during inclement weather or strikes or whenever Directed, as necessary.***

*All temporary canvas, lights, tarpaulin, barricade, water shoots etc.  
All measures required to be taken for protection of existing works.  
All such temporary weather-proof shed sat such places, and in a manner approved by the Architect for the storage and protection of materials against the effects of sun and rain.  
Testing of materials.  
No tool sand plants shall be issued by the Bank under the Contract.*

All the payments of bills for the work shall be done only at RAMPATH BRANCH, RAM JANM BHOO MI AYODHYA BRANCH, by the Branch Manager after sanction from Regional Office: AYODHYA, UNION BANK OF INDIA.

For any clarification in any item of work, the contractor should get the same from the Architect before carrying out the work and all items of work should be carried out with the approval of the Bank.

**EARNEST MONEY DEPOSIT / SECURITY DEPOSIT / MOBILIZATION ADVANCE**

The tenderer is required to submit "12000.00 (Twelve Thousand)" in favour of "Union Bank of India Payable at Ayodhya. Contractors who have MSME Certificate shall be exempted from EMD along with the tender.

The Contractor shall pay Security Deposit @ 2% for the Contracted amount towards the security deposit after adjusting the EMD (if any) shall be recovered in full from the first "on account "bill.

50% of the retention amount shall be refunded to the contractor on virtual completion subject to the following:

Issue of Virtual completion Certificate by the Architect / Premises Department.

Contractor's removal of his surplus materials, equipment, lab our force, temporary sheds /stores etc. from the site. (except for a small presence required if any for rectification during defect liability period and approved by the Bank).

The remaining 50% of the amount may be refunded 14 (fourteen) days after the end of defects liability period, provided he has satisfactorily carried out all the works and rectified all defects in accordance with the condition of the contract, including site clearance.

Certificate of virtual completion: As soon as the work is completed, the contractor shall inform in writing such completion to the Bank's Architect / Engineer who will inspect the work and if satisfied will issue the certificate that the work has been virtually completed and the defects liability period shall commence from the date of such certificate.

Defect liability period: The defects or other faults which may appear during the defect liability period which is 12 months after the virtual completion of the work, arising in the opinion of the bank due to inferior quality of material or bad work man ship not in accordance with the contract, contractor shall make good at his own cost within are atonable time. In case of default, Bank may employ and pay other agencies to amend and make good such defects and all expenses / damages / losses shall be recoverable by Bank or may be deducted from any money due to the contractor

No in tersest shall be payable on the EMD/SD amount.

No payment will be made to wards mobilization Advance.

**VALIDITY OF TENDER BID**

The tender rates shall remain valid for a period of 90 days from the date for receipt of tender.

The tendered Rates shall remain firm during the contract period and no prices collation shall be permitted,

**BANK'S RIGHT OF ACCEPTANCE OF BIDS**

The BANK does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the tenders either in whole or in part, without assigning any reasons for doing so. BANK also reserves the right to divide the work between two or more tenderers and the successful tenderers shall have to carry out even part orders for various items at quoted rates. No variation in rates shall be allowed on this account under any circumstances, what so ever no



correspondence will be accepted / entertained in this connection and BANK's decision shall be final conclusive and binding on all.

#### BID, QUANTITIES / MEASUREMENTS

Price bid shall be quoted for all the items described in the schedule of quantities. Price quotation for part items of the schedule shall not be accepted and such tender shall be summarily rejected.

No payment shall be made for the personal visit for assessing the quantities/ measurements for the preparation of the tender bid.

Quantities / measurements for which the bid for various item is submitted shall be given precisely in the schedule of Quantities, these quantities and measurements shall be based on the basic of personal assessment and physical verification at site.

The Contractor shall calculate realistic quantities after receipt of drawings and after submitting first interim bill but before submitting the second interim bill to Bank.

Any work done at factory will not be counted in the running accounts bill until the material is brought on site.

Excess quantity shall not be executed without written permission from Bank. In case of upward or down warden vision in quantities of items, the rate quoted by the Contractor shall remain fir mat all the times.

The contractor shall take joint measurements with the Architect / Bank representative be for recovering up or otherwise placing be yond the reach of measurement any item of work should the contract or neglect to do so, the same shall be uncovered at contractor' expense Orin default thereof, no payment or allowance shall be made for such work or the materials with which the same, was executed.

In case of any class of work over which there is no specification mentioned, the same shall be carried out in acc or dance with the latest Indian Standard Specifications subject to the approval of the Architect / Bank.

#### DIMENSIONS

Figured dimension are to be followed in all cases, large scale details take precedence over small scale drawings, In general the drawings shall indicate the dimensions positions and type of construction, the specification shall indicate the qualities and methods, and the bill of quantities shall indicate the quantum and rate for each of work.

Any work indicated in the drawings and not mentioned in the specifications or vice-versa shall be furnished as though fully set forth in both. Any ambiguity, conflict of interpretation, errors or inconsistencies discovered in the drawings / documents shall be promptly brought to the provisions giving more rigorous interpretation shall prevail but in the event of disagreement between the contractor sand the supervisors, decision of interior Designer shall be final In case of any discrepancy, the contractor is to ask for annex plan at ion for proceeding with the work. However, specifications will prevail lover the drawings.

#### OBSERVANCE / COMPLIANCE OF LABORLAWS AND OTHER STATUTORY PROVISIONS FOR THEC ONTRACT

The contractor shall, in the execution of the contract, be responsible to comply with all the labor laws& statutory provision governing the work, such as, but not limited to, the following Laws or any other act or enactment relating thereto and rules as amended up to date.

Contract labor (Regulation & Abolition) Act.1970. The Contractor shall sub mite copy of the license obtained under this act along with the bid.

Employees State Insurance Act for Security and Insurance of staff /workers.

Payment of Wages Act.

Minimum wages Act,1948.

Workmen's Compensation Act.

Industrial Disputes Act.  
Bank's Liability Act

The Contractor shall abide by and adhere to all laws, PF, ESIC, etc. The Contractor shall work only on and during hours of working day unless he obtains prior approval of the Architect / Bank. The Contractor will observe and abide by the rules and regulations of the public Authorities regarding overtime, night working and any particular rule regarding nuisance to the residence that may result there from.

The works to be carried out under the contract shall, except as otherwise provided in these conditions, include all or, supervision, materials, tools, tackles, plants, equipment, transport, lead/lift off materials etc. as may be required for execution and completion of the works.

The materials used for the work shall be of prescribed quality / standard and the work executed according to the prescribed specification. Materials and mix not being of the specified standard / specification shall be rejected at the cost of the contractor.

After completion of work all accumulate debris, direct shall be removed and disposed away from the BANK premises by the contractor this expense and no payment shall be done/made for that.

Doors, Windows, Staircases and passages shall be cleaned / washed by the contractor as part of the contract work without any additional payment.

The debris shall be removed from the site every three days.

The contractor shall clean the site every day before the closure of work.

No additional work is to be carried out by the contractor unless instructed by the BANK through Architect. The contractor will have to carry out the item of work with prior permission from BANK and as per instruction from Architect which may not have been unspecified in tender but necessary for completion of job.

Any extra item of work carried out other than specified in tender will be paid by the BANK as per the actual expenses and 15% for overheads and profit certified by Architect.

#### INCOME TAX

The bidder shall indicate his Income Tax PAN/GIR Number.

Income Tax @ of the amount of each payment shall be deducted and deposited with the Government as per Current Statutory provision if applicable. On completion of the work, a certificate for the Income Tax deducted at source given to the contractor. **DOCUMENTS TO BE COMPLEMENTARY**

All sections of contract document and working drawings shall be complementary to each other. Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design drawings and instructions herein before mentioned and as to the quality of workmanship or materials used for the work or as to any other question, claim, right, matter or thing whatsoever, in any way arising out of or relating to the contract, designs, drawings specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution or failure to execute the same whether arising during the progress of the work or after the completion or and on men there of shall be referred to the competent authority of the Bank whose decision shall be final and binding on the contractor.

#### COMPLETION PERIOD

Time is the essence of the contract and the contractor is required to complete the entire work to the satisfaction of the bank in 30 Days from the date of commencement of work.

#### PROGRAM WORK AND PROGRESS REPORTS

The successful contractor will have to submit a detailed bar-Chart indicating the schedule of various activities from the date of commencement till completion and get the same approved by Architect. Contractor shall strictly adhere to the same. This program shall form part of contract and shall be binding on the contractor. However, the BANK reserves the right to alter the Program, if necessary, from time to time, no claim whatsoever of any nature by the Contractor on this account shall be entertained by BANK. They shall also have to write their requirements about co-ordination from other agencies work in gat site.

#### WATER & ELECTRICITY REQUIREMENT

The Contractor will be permitted to draw and use water from BANK's U/W Tank and O/W Tank. He will not claim any compensation for late, intermittent and no supply of water. At the time of shortfall, the Contractor will arrange water without any extra cost. The Contractor has to arrange 'Sintex' tanks of adequate capacity to store water and pumps and pipes for distribution of water from tanks to work place free of charge. The site for storage and distribution of water will be decided by the owner/Bank.

The Contractor will be provided Electricity at one point by the BANK free of cost, only most convenient to the Bank. He will also ensure that all safety measures are adhered to at his costs. The Contractor will not make any wastage of this facility nor will claim any compensation for late or intermittent supply for electricity. Cost of power shall be borne by the BANK. Any accidents, mishaps, etc. due to fault and negligence of Contractor's workmen, the Contractor will be responsible and indemnifies and keep indemnified the members of the managing and repair committee and the BANK.

#### DELAYIN COMPLETION OF WORK

Liquidated damages per week will be 1% of the contract value inclusive of non-completion of work in time including Sundays and holidays per week, subject to maximum of 10% of contract value. The Bank may without prejudice to any other mode of recovery deduct the amount of such damages from any moneys in his hands due or which may be come due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor of his obligation sand liabilities of this contract.

If in the opinion of the Bank / Architect, the works gets delayed due to causes which the Bank may consider being beyond the control of the contractor, the Bank at the completion of the time allowed for the contract shall make fair and reasonable extension of time for completion in respect thereof. For extension of time for completion, the contractor has to apply in writing with detail reasons.

#### PAYMENT SCHEDULE

In the event of variation in the Quantity / Area, the payment shall be made on the basis of the actual Quantity /Area at the quoted Rate.

Bill in Triplicate duly Certified by Architect shall be submitted to Bank after satisfactory completion of the work. Payments to the contractor shall be made within 15 days of submission of each "on account" bill. Bill submitted by the contractor must contain item wise quantity of work done in a manner that verification of work done can be done. The quantities for which the bill sare submitted shall be subject to physical verification before payment.

In the event of variation in the Quantity / Area, the payment shall be made on the basis of the actual Quantity / Area at the quoted Rate.

No interest will be given for late payments.

All payments to the Contractor shall be made subject to deduction taxes at source at the rate applicable. Final payment, except Security Deposit (which is to be released only after the defect liability period including observing the performance of water proofing during the rainy season) shall be made within 30 days from the submission of the final bill after verification of the completion of the work. No further claim except the security Deposit after the submission of the FINAL BILL shall be accepted.

For final payment, the Contractor will submit details of all items, payments received for works and materials, any claim and net balance due which Architect/ Bank will check, make any adjustments if any, will receive 'No Claim' from the Contractor and pay and settle the same if any.

The Contractor will submit original certificate for payment of Works Contract Tax in respect of the Owner / Bank or else the same will be deducted from his bills.

The decision of the Architect and repair committee for payment or for any extra work to be made or any deduction to be made from the whole cost of the work or any other matter what so ever relating to the contract shall be final and binding to all parties.

The Contractor shall be liable to pay Rs. 500/- per day as penalty in the event of default for any reason whatsoever in the removal of debris and / or materials and / or tools and / or plants and / or equipment within 7 days from the written instructions given to contractor to do so till such removal takes place. The Bank may without prejudice to any other mode of recovery deduct the amount of such damages from any moneys in his hands due or which may become due to the Contractor. The payment or deduction of such damages shall not relieve the Contractor of his obligations and liabilities of this contract.

#### SUB LETTING

The selected contractor shall not sub-contract the work to any other individual, Agency or firm.

#### DEFECTS IN WORK

Any defects / deficiency pointed out by the BANK's authorized person(s) shall be removed / rectified to his / the satisfaction, otherwise payment for such items(s) shall not be passed till the defect/ discrepancy is removed /rectified by the contractor.

The Architect shall have the power to withhold any certificate of work and/or part the re of not being carried out to his satisfaction and he can make the necessary corrections in previous certificate in any subsequent certificates.

In case the Contractors are disobeying Architect/ Bank, they may get bad work replaced in the manner the Architect think fit at the cost and consequences of the Contractor.

The Architect / Bank shall have the right to alter, omit and abandon any part of work without invalidating the contract. If any work is over and above that included into the Contract and is required to be executed at site, the Architect / Bank has power either to delegate this work to Contractor as an extra item or to any outside Contractor, as the case may be.

#### SECURITY OF WORKS / MATERIALS /STORES ETC OF THE CONTRACTOR AND BANK'S PROPERTY

The Contractor shall be responsible to make safety arrangements at his own cost for his materials / stores, storages, etc. All such stores shall be cleared away and the ground left in good and proper order on completion of this contract unless otherwise expressly mentioned the rein.

The Bank will provide the contractor open space for storing the cement. The area has to be maintained by the Contractor during the period of work. He can construct a temporary shed and he alone will be responsible for his materials.

All stores and materials brought to the site shall become and remain the property of the Bank and shall not remove from the site without prior written approval of the Bank. When the work is finally completed or the contract is determined for reason other than default of the Contractor, he shall for the with remove the same from site.

All tools, plant and equipment brought to site by the Contractor shall not be removed from the site without prior written approval of the Bank. When the work is finally completed or the Contract is

determined for reason other than default of the Contractor, the Contractor with prior written permission of the Bank shall forthwith remove the same from site all tools, plant and equipment.

For any damage / injury to the BANK's property or to any member of the BANK or to the members property on account of any unsafe practices adopted or by any un-prudential action by the Contractor or by his men, the contractor shall be responsible. BANK reserves the right for recovering proper remedy / compensation for the same from the contractor.

Contractor should indemnify and keep indemnified the Bank against any legality arising out of lab our rules, local authority rules etc. during the execution of work and any losses and claims for injuries or damage to any person or any property and should take third party insurance in the joint name of Bank and contractor.

The Contractor shall ensure protection to the Banks, flat owners, occupiers of the Bank, other properties near site and to the public in general. The approach his kept free at any time.

The contractor must take all measures and precautions to prevent death / injury to his own labors or any other person and shall take THIRD PARTY (Public Liability) Insurance Policy in the joint name of BANK and contractor at his own expenses. This will be comprehensive, and all risks covered to safeguard all men, materials and property during and on account of the execution of work under this contract and will submit certified copy to employee.

All Risk Policy with accidental cover to neighboring property due to work of contractor's workmen.

Work men's Compensation Policy.

Automobile Third Party Insurance with unskilled third-party liability of his vehicles or his suppliers or debris removal vehicles, etc. damaging any cars, etc. while bringing, removing materials, etc.

The contractor shall, if required by Architect / bank, arrange to test materials and/ or portion of the work at his own cost in order to prove their soundness and efficiency. If after any such test, the material or portion of work is found, in the opinion of the Architect and Bank to be defective or is found, in the opinion of the Architect and Bank to be defective or unsound, the contractor shall pull down and re-erect the same at his own cost. Samples of materials and work man ship shall be submitted by the contractor for the approval of the Architect / bank before procurement and execution.

Contractor shall submit written performance guarantee from the Manu facture so fall bought out items.

The Contractor shall submit original copies of invoices, order forms for any materials purchased for project work, to the Bank /Architect if called for.

## CONTRACTOR'S SUPERVISION

The Contractor shall give and provide all necessary superintend dance during the execution of work and as long after as Architect / Bank may consider necessary for proper fulfilling of Contractor's obligations under the contract. The Contractor shall himself supervise the execution of contract and shall appoint a full-time competent agent (site engineer / supervisor) approved by the Architect / Bank to act on his behalf and to be present all throughout at site. The Contractor shall further employ engineer sand assistants to the above to supervise the work insufficient numbers to the satisfaction of Architect / Bank. These engineers must be completely authorized by the Contractor to represent him and to receive and execute order and instructions by the Architect / Bank as if Contractor himself is present. The Contractor shall visit the site daily and shall have minimum once a week, or more as the case any be, joint meeting with the Architect & Bank on a day fixed jointly by the Architect and the Bank.

The Contractor shall provide and employ on site in connection with the execution and maintenance of the works:

Only such assistance's as are skilled and experienced in the irrespective field sand qualified and such agents, fore man and leading ands as are competent to give proper super vision to the work.

Such skilled, semi-skilled and unskilled labors is necessary for the proper and timely execution and maintenance of the work.

The contractor shall employ a whole time qualified and competent supervisor for the work, whose name shall be notified and who shall interface with the BANK's representative (s) for the ongoing contract work.

The Architect / Bank shall be at liberty to object any Contractor man / men, employed by him, for misconduct or is incompetent or negligent in the proper performance of his duties or whose employment is otherwise considered by the Architect /Bank to be undesirable to work within the premises of BANK. Any person so removed from the works shall be replaced immediately by a competent substitute.

#### INSURANCE

All the workers of the contractor as well as his sub-contractor must be properly covered by an Insurance Policy under Workman's Compensation Act and Fatal Accidents Act. The contractor at his own expenses arrange to effect and maintain until the virtual completion of the contract, insurance policy in the joint name of the Bank and the contractor against this risk to be retained by the Bank until the virtual completion of the work, and indemnify the Bank from all the liabilities arising out of such events. In case of delay, contractor shall arrange to extend insurance policy till work is completed.

#### OCCUPATION OF PARTIALLY COMPLETED PORTION BY THE BANK

The Bank shall be entitled to and will be at liberty to occupy even the partially completed portion of the work by the selves or through their agents and servants if they so desire. Necessary extension of time for completing the work shall have no claim for any compensation whatsoever due to the delay, if any involved in completing the work on account of partial occupation.

#### MOCK UP

The Contractor shall prepare a mock-up of items, if required, strictly in accordance with the specification, free of cost, for approval of Architect and Bank. The work on these items shall proceed further only after the approval of the mock-up.

#### UNSCHEDULED ITEMS OF WORK

Work should be carried out strictly as per the standard specifications given in Tender document and the directions of the Engineer Work man ship / Work of substandard nature will not be accepted and paid for.

Any work carried out as per specifications and found defective in opinion of architect / consulting engineer shall be demolished are re placed by new work by contractor to the satisfaction of architect / consulting engineer.

If change in any item or additional work is to be carried out while executing the job by the contractor will be executed with prior consent from the Bank and as per instruction from Architect which may not have been specified in tender but necessary for completion of job.

In case of any dispute the decision of Bank will be final and binding on the contractor.

The Contractor shall comply with all acts and regulations for the successful completion of the contract works and shall give due notice and pay all fees / taxes etc. as per statutory requirements.

No additional work is to be carried out by the contractor unless instructed by the Bank through Architect.

All materials to be delivered at site. If the material used for the work is not in conformity with the specifications, the same shall be replaced at your cost. All the material required for the above work shall be arranged by the contractor at his own cost.

Selection of material to be done in consultation with the Bank's representative / Engineer. The Contractor shall, if required by Architect/Bank, arrange to test materials and / or portion of the work

at his own cost in order to prove their soundness and efficiency. If after any such test, the material or portion of work found, in the opinion of the Architect and Bank to be defective or is found, in the opinion of the Architect and Bank to be defective or is found, in the opinion of the Architect and Bank to be defective or un sound, the Contractor shall pull down and re-erect the same at his own cost. Samples of materials and workmanship shall be submitted by the contractor for the Approval of the Architect/ Bank before procurement and execution.

Rules for varied/deviated or extra items to be worked out on the rates quoted in the Tender for the similar items. Wherever it is not possible to base the rates for varied/ deviated or extra items on Tender quoted rates then the rate analysis is to be submitted by the contractor will include the actual cost of material, Taxes, Transportation if any, Miscellaneous expenses, Lab our, Wastage of materials, 15% towards contractor over-head sand profit.

Bank will provide free Electricity and Water for the execution of work. However, the Contractor shall make his own arrangement to draw the power and water from source as decided by Bank.

While executing the work the contractors have to ensure that no inconvenience whatsoever is caused to the offices /people functioning in the premises.

On completion of the work the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary works of every kind and leave whole of the site and the works clean and in a work man like condition to the satisfaction of client. No extra payment will be made for this purpose. After completion of work all accumulated debris, dirt etc. shall be removed and disposed away from the Bank premises by the contractor at his expense. The Contractor shall take due care while disposing of such waste materials and ensure that any rules / regulations laid down by Municipal Corporation or any other statutory body are not violated. The Contractor shall be responsible and answerable to any complaint arising out of improper disposal of waste material.

Doors, Windows, Staircases and passages shall be cleaned / washed by the contractor as part of the contract work without any additional payment. The contractor shall clean the site every day before the closure of work.

Adequate number of fire extinguishers, first aid boxes, must be provided on the site by the contractor.

Any item work which is not specified in the schedule and which is not capable of assessment by sight (visual)inspection and which becomes known only after the contract work has commenced, such as broken/ leaky pipes, cracks in walls, seepage. Percolating through the walls, beams / pillars etc. shall be, on joint inspection, by the BANK and Contractor, assessed for quantum and the rate decide don mutual consultation.

#### VARIATIONS

The Architect / Bank shall make any variations of the form, quality or quantity of the works or of any part there of that may in their opinion be necessary and for that purpose or for any other reason it be necessary, the Contractor shall do any of the following:

Increase/decrease/omit any work

Change, character, quality, level, lines, position, dimensions etc.

Execute additional work of any kind as may be necessary for completion of the work.

And no such variation shall in any way vitiate or invalidate the contract but the extension of proportionate time limit, if any, for all such variations shall be taken in to account.

The Contractor shall make no such variations without an or der in writing by Architect /Bank.

#### CANCELLATION OF THE CONTRACTOR PART OR FULL-ON CONTRACTOR'S DEFAULT

If the Contractor shall at any time:

Become bank raptor in solvent.

Make an arrangement without assignment in favor of his creditors or agree to carry out the contract under the committee of Inspection of his creditors.

Being an individual / partner/ company or corporation goes into liquidation.

Have action vied on his goods or property on the works.

Assign the contractor any part thereof otherwise than as provided in the general condition of the Contract.

Abandon the Contract.

Persistently disagree the instructions of the Architect /Bank and or contravene any provisions of the contract including general accepted principles of working.

Stopping the work under flimsy excuse with there at innig attitude or showing dis courtesy to members so the majority members wish this.

In that case, the Bank may determine and terminate the contract after giving due notice and time to the Contractor. The Bank shall be entitled after giving due notice in writing for removal of the Contractor from whole or any portion of work, without avoiding the Contract or releasing the Contractor from any of his obligation or liabilities under the Contract and adopt any or several of the following measures:

Rescind the Contract, in which case the security deposit of the Contractor shall stand forfeited to the Bank without prejudice to Bank's right to recover any amount from Contractor,

Carryout the work or any part thereof by employing other agency and required lab our and material sanded biting on Contractor's account.

Measure up the work executed by the Contractor and to get there mining work completed by another contractor at the risks and expenses of the Contractor. In the event of any several of the courses referred above being adopted.

Upon non-completion of the work, up on use of substandard quality, u pennons-operation, upon a deadlock on a particular issue between the Owner/ Bank and the Contractor /Architect.

The contractor shall have no claim for compensation for any loss sustained by him by any reason for material purchased by him, tools, machinery, labor to retain the same in further execution of the work for wear, tear and destruction caused by his negligence.

The Bank shall be entitled to take possession of any materials, tools, machinery, equipment which was on site, as if those are the property of Bank to carry out the balance work, In this case Contractor is not entitled for any compensation for use and employment of the same.

#### ARBITRATION CLAUSE

All disputes or differences of any kind whatsoever which shall at any time arise between the parties hereto touching of concerning the work or the execution or maintenance thereof of this contract or the right touching of concerning the work sort he execution or maintenance there of this contractor the construction, remain in go operation or effect thereof for to the rights or liabilities of the parties or arising out of or in relation thereto whether during or after determination, foreclosure or Branch of the Contract (other than those in respect of which the decision of any person is by the contract expressed to be final and binding) shall after written notice by either party to the contract to the other of them and to the Appointing Authority who shall be appointed for this purpose by the Bank, barefaced for adjudication to a sole arbitrator to be appointed there in after provided.

For the purpose of appointing the sole Arbitrator referred to above, the Appointing Authority will send within thirty days of receipt by him of the written notice aforesaid to the Contractor, a panel of three names of persons who shall be presently unconnected with the organization for which the work is executed.

The contractor shall on receipt by him of the names as fore said, select any of the persons named to be appointed as a sole Arbitrator and communicate his name to the Appointing Authority within thirty days of receipt by him of the names. The Appointing Authority shall thereupon without any delay appoint the said person as a sole Arbitrator, if the contract or fails to communicate such selection as provided above within the period specified, the Appointing Authority shall make the selection and appoint the selected personas the sole Arbitrator.

If the Appointing Authority fails to send to the Contractor the panel of three names as aforesaid within the period specified, the Contractor shall send to the Appointing Authority a panel of three names of persons who shall all be unconnected with either party. The Appointing Authority shall on receipt by him of the names as aforesaid selected anyone of the persons named and appoint him as the sole Arbitrator. If the appointing authority fails to select the person and appoint him as the sole Arbitrator within thirty days of receipt by him of the panel and inform the contractor accordingly, the contractor



shall be entitled to appoint one of the persons from the panel as the sole Arbitrator and communicate his name to the Appointing Authority.

If the Arbitrator so appointed is unable or unwilling to act or resigns his appointment or vacates his office due any reason whatsoever no their sole Arbitrator shall be appointed as aforesaid.

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

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

The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and published the award.

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

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

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

Subject to aforesaid, the Provisions of the Arbitration Act, 1996 or any statutory modification or re-enactment thereof and the rules made there-under, and for the time being in force, shall apply to the arbitration proceeding under this clause.

I/We hereby declare that I/ We have read and understood the above conditions for the guidance of Tenderers.

**Seal:**

**Signature of the Contractor**

**Place:**

**Address :**

## SPECIAL CONDITIONS OF CONTRACTS

All materials, tools, plants and equipment to be used for construction, shall be brought and stored on BANK premises by the Contractor in a manner directed in specifications for construction materials at his own cost and risk including his own security arrangement without causing hindrance to occupants.

All due precautions shall be taken by the Contractor to prevent damage including that of window panes, as a result of Contractor's action will have to be made good by the Contractor this sown expense.

a) All debris resulting from breaking work shall be carefully lowered on specially constructed platforms preferably in specially provided chutes and suitable screens and hoppers shall be provided to ensure that as far as possible no debris flies or rebounds from the building and / or scaffolding. Under no circumstances shall debris be thrown down on the ground or foot path.

b) The Contractor shall regularly remove all waste and debris from the site. Dumping of debris temporarily on the premises shall be strictly in location allotted for the purpose and nowhere else. Every day after working hour's sweepers must clean the site.

The Contractor will provide at his own expense necessary sheds, passages, special covering, platforms to be construct din front of main entrance, BANK office, staff toilet, and also netting, etc. in area of common passage at the worksite.

Proper cordoning off shall be maintained at all times to ensure that no children or unauthorized persons enter the work area.

The Contractor shall bear in mind that he may have to carry out certain part of work inside the premises of the occupant sand he will take extreme care not to damage inside Branch.

The contractor shall provide at his own cost necessary sanitary and drinking water facilities for his workers more about in area of site only and they commit noun is acne.

When a contractor is selected, if Architect/ Bank find any anomaly in rates of some specific items, the Contractor shall furnish explanation and rate analysis.

Rates quoted by the Contractor shall include all terminal taxes, octroi duties, central or state excise duties, import duties, sales tax and any other taxes leviable under the state or central government or public rules. No claim whatsoever shall be entertained in respect of escalation in prices of materials, lab our etc. except change in taxes announced by Municipal or Government bodies subsequently. Rates quoted also include work Contract Tax. M.W. Tax, extra water charges, all liaison work with Municipal Authorities for Building Department, Water Department, Pest Control etc. including specific bills of water charges and sewage charges raised by BMC towards the repair works undertaken including all out of pocket expenses. The Contractor at his costs and expenses shall obtain all permission from BMC, etc.

The contract shall not be deemed to be duly completed until maintenance certificate have been issued by the Architect recording that the works have been completed and maintained to his satisfaction and will be issued after defect liability period is over and after ascertaining the views of the repair committee.

The Contractor is responsible for the execution of all works, which is more particularly set out as per terms and conditions of the Agreement. The Contractor is well aware about the dangers and hazards for the completion of the said work. It is the Contractor who would be responsible in the event of breakage of glass of windows, etc. of the BANK and Contractor will take all precaution of BANK s property so as not to damage them.

The Contractor, shall, at his own expense supply all the stores and materials required for the contract. All the materials to be supplied by the Contractor shall be of the best of kinds, and only of ISI standard. The Contractor shall furnish necessary proof to the satisfaction of the Architect / Bank that the materials comply with specifications as described in the technical specifications. The Contractor

shall, at his own expense and without delay, supply samples of materials proposed to be used in the execution of the work for the approval of the Architect / Bank, who may reject all materials not corresponding either in quality or in character with the approved samples. The Contractor is made aware that there will be no basic rate for all construction materials.

The Contractor shall not enter on or take possession of the site unless permitted to do so by the Bank. The portion of the site to be occupied by the Contractor will be clearly defined and indicated by the Bank and the Contractor will on no account be allowed to extend his operation beyond these areas. Then on completion, completely clean the areas of work saga ins this final completion of work done in that area.

The Contractor shall suspend the execution of the work of any part/s thereof, wherever called upon in writing by the Bank /Architect to do so and shall not resume work there on until so directed in writing by the authority. The Contractor shall also suspend the execution of work or any part thereof under notice of court, Government or Municipal Corporation unless the Architect / Bank instructs otherwise in writing. The Contractor will be allowed an extension of time for completion equal to period of suspension and no claim otherwise will be considered for payment. Time may also be extended to allow for alterations of work or deviation from the contract if it is felt reasonable by Architect / Bank.

If Bank has permitted the contractor to house his workers on site in specified areas, during progress of work he will erect temporary structures of the approved standards and scales for his workers and maintain at his own expenses. The Contractor should demolish / remove temporary structures before the main work comes to an end and clear the site. This facility is not incorporated in contract and will be exclusively at the discretion of the Bank and the Bank can stop this facility in the middle of work and Contractor cannot claim anything whatsoever for taking away this facility any time. If this facility is granted, he shall be responsible for giving all necessary notices of infection and contagious disease of his workers and instantly remove such cases from site. The Contractor shall obtain all necessary permission from municipality, government, etc. at his own costs.

It is hereby clarified that within the guarantee period of the entire work the owner / Bank observes any hitches or lacunas or damage caused to the flat and / or common area and / or the BANK's property, the Architect / Contractor shall be communicated regarding the same. The Architect / Bank would visit the premises and give their comments in respect of the same. The rectification of the damaged area is the sole prerogative and responsibility of the Contractor who is to rectify the said damage at his costs, etc. within the decided time frame as mutually decided between the parties. In the event of failure of the Contractor to rectify such error the Bank / Owner shall have the full liberty to deduct the amount of loss at cost from the balance amount due and payable to the Contractor.

The Contractor shall clean and level up the premises and open spaces in and around building to the satisfaction of the Bank at regular intervals and after completion of work. If he fails to their satisfaction, the same shall be carried out by the owner at Contractor' s risk, cost and consequence sand work will be treated as in complete.

It is hereby clarified that the Employees / Workers who would be assigned the work and who would be temporarily lodged in the premises of the owner shall have no access whatsoever in the building after the completion of the work for the particular days. The workers shall not enter the building for the purpose of taking water or for any other private jobs that would be given by the flat owners during the subsistence of the work assigned.

**Safety Regulations:** The contractor shall take all the necessary precautions while working and to safeguard adjacent property, Bank's property, Bank's employees, and traffic persons.

**Compliance to local laws:** The contractor shall conform to the provisions of any Act of the Legislature relating to the work and to the Regulation of Bye Laws of any authority. He shall also obtain the permission of the Municipality or any other Authorities if required under the existing rules.

**Complying I.S. specification:** Unless otherwise mentioned in the contract, the latest Indian Standard Code for material specifications, method of work, mode of measurements shall be followed. The payment shall be made on the basis of actual measurement of work done to be submitted along with bill.

**LIST OF APPROVED MANUFACTURES / SUPPLIERS OF MATERIALS**  
**MATERIALS APPROVED MANUFACTURERS / SUPPLIERS**

Synthetic Enamel Paint	: I.C.I. Dulux /Asian Paints/Berger
Plastic Emulsion Paint	: I.C.I. Dulux / Asian Paints / Berger Dry
Distemper & Oil Bound Distemper Paint	: I.C.I. Dulux/Asian Paints/ Berger
Red Oxide Primer Paint	:I.C.I. Dulux/Asian Paints/Berger,
Bombay Paint	
Wood Preservatives equivalent	:Wood guard, PCI, Bison, Black Japan or
	: M/s Green Mica (BWP), M/s Century (BWP), M/s Duro Tower 710 (BWP), No alternate brands from the same manufacturer allowed
	: Grid Tiles -Armstrong, St Gobain Gypsum India,
	: M/s Green lam, M/s Century, M/s Duro, 1.0mm Thick only
	:G.K.W., Nettle Fold.
Adhesive	:Fevico ISH, Araldite or equivalent
Locks	:Godrej(3setofkeys)or equivalent
Night Latch	:Godrej
Aluminium Sections	:Hindalco, Jindal, Indal
Glazing Gobain.	:M/s Modiguard, M/s asahiindia, Saint
Aluminium Cladding	: Euroband/ Altobond/ Alukbond
Vitrified tiles	:RAK Asian, Regent, Azania, nitco
Ceramic tiles	:Kajaria (High Lighter Concept)
Soft & Accoustic Boards	:Celotex
Hard Board	:ALL HARDWARE TO ONLY GODREJ
Door Closer	:Godrej, Dorma, Ozone
Floor springs	:Godrej, Dorma, Ozone
Metal Sliding Channel	: El-Binari
Water Proofing Compound roof/Algiproof/Sunanda	:Roffe /Impermo/Accop
	: Pest Control & Anti Termite Treatment For Complete Interior Work To Be Done By Local Renowned Contractor.
Venetian Blinds	:Vista
Structural Steels	: Tata Steel
Cement	: M/s ACC, M/s Prism , M/s Jaypee
Reinforcement/Structural Steel	:Sail/ Tisco / Torsteel

White Cement	:J. K. Cement Or Birla White Sand Fine
Aggregates Coarse Aggregates,	
Bricks, Stone Slab And Murrum Filling, Lime:	Locally Available Material Duly Tested.
Hardeners	:Ironite/Ferok/Hardonate
Cement Paint	:Snowcem/ColourcemOrEquivalent/Sandex
Cast Iron Fittings	:Nicco
GI Pipies	:Gujrat, Ambika, Zenith
P.V.C. Pipes	:Prince
Vitreous china sanitary ware(ISI mark)	:Hindustan sanitary ware/parry ware/Cera
C P Fittings/Toilet Accessories ISI Marked	:Jaquar /Aquel/ESSESS/Marcor equivalent

1. All materials to be delivered at site. If the material used for the work is not in conformity with the specifications, the same shall be replaced by contractor. All the material required for the above work shall be arranged by the contractor at his own cost.
2. Ply wood mentioned in the drawings as well as in bill of quantities should be MRG rage only.
3. Selection of material to be done in consultation with the BANK's representative/ Engineer.
4. All materials shall be of the first quality.
5. Wherever Contractor proposes to use 'equivalent' makes (i.e. other than specified) the same shall be done only after prior approval from BANK. BANK may consult Architect before giving approval. Any additional expenditure, time due to this will be on Contractor's account and no claims will be entertained.
6. Read "or equivalent approved "at the end of the list of approved manufacture / sub-contractor / brand for every materials.
- 7.

### **PREAMBLE TO BOO**

#### Abbreviations:

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

1. All dimensions are in M.K.S. unless otherwise stated.
2. The quoted rate shall be all inclusive and cover the cost of material including wastage, Freight, all type soft axes, duties, royalties, erection, construction, testing of materials, if required samples brought for approval, tools and tackles, plant and equipment's, supervision, overheads, prof it and any other expenditure incurred for completion of work as per drawings, specification sand to the full satisfaction of

BANK/Architect.

3. The rates quoted shall be valid for working at all heights, depths, and on all floor levels, No extra payment shall be made for scaffolding, staging, ladders etc. for transportation of men and materials at higher or lower levels.
4. The item rate specification are indicative. The Contractor will have to carry out the work In accordance with the drawings, technical specifications and/or other conditions laid down in tender document and to the full satisfaction of BANK/Architect.
5. Quantities mentioned against respective items are approximate and can vary to any extent. Payment shall be made on actual executed quantities.
6. No claims shall be entertained in case of increase or decrease in quantities, BANK / Architect reserve the right to increase/ decrease quantities of any item and also to add / Delete any item in totality. BANK / Architect reserve right of operating any item for any work.
7. Rates for painting shall include cleaning glass panels, floor etc.
8. After completion of work the site shall be handed over absolutely clean, after ensuring that all floors, walls, etc. are spot less clean.
9. Rates of all items shall remain constant irrespective of floor level and no extra shall be Paid for handling and stacking of materials, removing debris etc. From the site.
10. Unless otherwise noted, the method of measurement will be as per I.S.1200.
11. BANK/Architect reserves the right of operating all‘Quote Rate only’ items.
12. Wherever contractor proposes to use ‘equivalent’ makes (i.e. other than specified) he shall obtain BANK’s prior approval. BANK may ask Architect before giving approval to the same. Any additional cost and time lost due to this will be on Contractor’s account and no claims will be entertained.
13. The rate for partition, paneling shall include necessary additional frame work supports that may be required to suit site conditions or stability of the item. Decision of Architect in regards to the need for such additional supports shall be final.
14. All wooden frame work / member size mentioned as out of, shall be full size with maximum planning tolerance of 3 mm both ways.
15. Rates for doors include all brass oxidized heavy duty hardware, locks, floor springs, door Springs, door closer, special door hand les etc. as specified in relative items.
16. Size and type of door closer /floor spring shall be suitable for type of door. The Contractor shall give guarantee for performance of door closer /floor spring from manufacturer.
17. Rates for partitions, paneling shall include making of necessary cutouts, chasing to be Made for conduits, switch boards etc.
18. Rates for painting and polishing shall include cleaning glass panels, fans, floor etc.
19. After completion of work the site shall be handed over absolutely clean, after ensuring that all laminates, floors, walls, etc. are spotless clean.
20. Contractor shall clean the site and mark the lining out on the floor with adhesive tape for approval. The same shall not be paid separately.
21. In case of loose furniture, the specification for side unit or rear side credenza unit in any Item shall be same as the specification of the table in that item.
22. All key holes should be fixed with metallic key hole ring.
23. Key for all locks should be different and no key should match with two different locks.

**Gunjan and Associate**  
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**& Landscape Designers**

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**BILL OF QUANTITY FOR ELECTRICAL & AC PIPING WORKS**

**UNION BANK OF INDIA, RAMPATH BRANCH & E-LOBBY**

**REGIONAL OFFICE - AYODHYA**

S.No.	Particulars	Unit	Qty.	Rate	Amount
	The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 750mm interval & finally finishing the surface & matching the same with the existing surface. Item 1,3, 4 & 5				
	The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc				
1	<b><i>L&amp;F Point Wiring, Circuit wiring &amp; Power Point wiring</i></b>				
	<b><i>L &amp; F Points</i></b>				
1	Primary Point Wiring for light points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates shall include cost of circuit wiring with 3*1.5sq.mm ZH -FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controlling SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Point	32.00		
2	Secondray Light Point				

	Same as above but looped from PP with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Point	32.00		
3	6 A switch socket points on Sdb: S/F of 6A switch points with an additional indicator and 6Amp. modular Type switch & socket. It shall have 3*1.5sq.mm FRLSH stranded Cu. Wire as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Point	9.00		
4	Point Wiring for wall fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also included S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm ZH- FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Each	8.00		
5	Point Wiring for Ceiling fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also include S/F of <b>modular elctronic regulator in SDb</b> for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm ZH - FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Each	4.00		



6	Point Wiring for exhaust fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also included S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm ZH - FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controllong SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Each	2.00		
	<u>Power Point Wiring</u>				
1	Primary Power Point: Raw power points on workstations / table / Printer etc using 3*4 Sq.mm ZH - FRLS Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1*16A, 2/3/5 pin sockets & 1*16A Switch , wired together forming one point. The earth wire of green color only.	Point	7.00		
2	Secondary Power Point: Raw power points on workstations / table / Printer etc using 3*2.5 Sq.mm ZH - FRLS Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1*16A 2/3/5 pin sockets & 1*16A Switch , wired together forming one point. The earth wire of green color only. Secondary Point to be interlooped with Primary PP. Maximum length 6m.	Point	2.00		
	Total 2nos. - 1 for BM + 1 for 2 officers on counters besides Cash				
LOM	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma				
2	<u>Air - Conditioning</u>				

1	AC Point: Providing AC points with circuit wiring with 3*4sq.mm ZH - FRLS Cu stranded wires to be laid in 20mm PVC medium concealed in wall/ floor/ panelling/ partitions as per requirement. The work shall include S/F of MCB protected power unit for AC c/w 32A 2P MCB including proper connections. The job shall be complete & to the entire satisfaction of the Bank.	Point	4.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	MCB Protected Power unit c/w10kA MCB "C"- Havells/ L&T/ Siemens/ Schnider				
3	Wiring with 3*4.0sq.mm ZH - FRLS stranded Cu. wires laid in 20mm OD PVC/ flexible pipe heavy duty laid on floor & concealed in wall/ floor as per requirement <u>to various voltage stabilizers</u> . The job includes making connections at both ends with proper size of lugs to the entire satisfaction of the Bank.	m	15.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	<b><u>UPS</u></b>				
	<b><u>2nos. 3KVA UPS 1P input &amp; 1P output</u></b>				
1	4way HTPN distribution Db double door suitable for MCB as incomer - Location UPS Room	Each	1.00		
	Incomer - 32A 4P MCB				
	2nos. 32A 2P MCB for branch UPS				
	2nos. 32A 2P MCB for searate ATM UPS				
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
	<b><u>All Db's body should be properly earthed.</u></b>				

2	Incoming supply to UPS room: S/laying of 4 core 4sq.mm XLPE insulated armoured Copper conductor cable from main Panel to 4way TPN Db in the UPS room to be laid in medium duty 20mm PVC conduit/ pipe & run on surface or concealed in wall/ floor/ flase ceiling including connections at both ends with lugs.	m	25.00		
	Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI				
4c	S/ F of 2way SPN Db metallic c/w 32A 2P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. For input supply to 2nos. UPS for branch	Each	2.00		
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
	<u>All Db's body should be properly earthed.</u>				
	-				
5	Supply & laying of incoming & outgoing wiring to & from UPS with 3*4 sq.mm ZH - FRLS stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty to UPS incoming & from UPS outgoing.	m	10.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
6	UPS Output Db in UPS Room - S/F of 12way SPN Db c/w 40A 2P MCB incomer and 3nos. 32A 2P MCB's - one for Branch UPS Db, one for CCTV & FDAS Db and one for E Lobby Db (Required in case separate UPS are not provided for E Lobby) including proper connections thru lugs. The job shall be complete & to the entire satisfaction of the Bank.	Each	1.00		
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
	<u>All Db's body should be properly earthed.</u>				
	-				

7	UPS Output Distribution Boards				
	Branch UPS regulating Db				
7a	S/ F of 2way SPN Db metallic c/w 32A 2P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. For regulating UPS supply TO BE INSTALLED IN BM CABIN.	Each	1.00		
	<u>THIS Db SHALL BE MADE "OFF" WHEN BANK IS CLOSED TO ENSURE THERE IS NO POWER FOR COMPUTER &amp; PRINTER POINTS.</u>				
	<u>All Db's body should be properly earthed.</u>				
	-				
7b	8 way UPS Db for branch				
	Location on RHS wall in waiting area - S/ F of 8way SPN Db c/w 32A 2P MCB and 2nos. 6A 1P (1 cash +1 officer besides cash, 1 DBM & 1 officer besides DBM) + 2*16A 1P MCB for 1 for 2officers besides Cash & 1 for BM complete in all respect and as required & to the satisfaction of the bank.	Set	1.00		
	<u>All Db's body should be properly earthed.</u>				
	-				
	UPS Db FOR CCTV, FDAS Etc.				
7c	S/ F of 8way SPN Db c/w 32A 2P MCB and 2*25A 2P MCB for CCTv & FDAS and 2*10A 1P MCB for router complete in all respect and as required & to the satisfaction of the bank.	Set	1.00		
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
	<u>All Db's body should be properly earthed.</u>				
	-				
8	Supply & laying of 3*2.5 sq.mm ZH - FRLS stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty complete in all respects - Qty includes UPS Db to CCTV/ FDAS Db, UPS Db to BM cabin Db to branch SPN Db)	m	50.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Finolox/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				

9	Supply & Installation of point wiring for UPS power plug points on workstations / table for computers using 3*1.5 Sq.mm Cu. conductor multi stranded ZH - FRLS wire pulled through floor raceways/conduit and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 3 nos of 6A , 2/3 pin sockets & 1 No., 16A Switch wired together forming one point. The earth wire of green color only.	Each	8.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma				
<b>4</b>	<b><u>DISTRIBUTION MAINS</u></b>				
1	S/F of 100A 4P MCCB 25kA in steel sheet enclosure including making of connection from electronic meter etc. etc.	Set	1.00		
	SFU/ Fuses- HPL/ L&T/ Siemens/ GE Power/ Schnider (MG)				
2	<b><u>Main Incoming Panel</u></b>				
	SITC of main distribution board panel fabricated of 18swg (powder coated) comprising of Indicator lamps 3 nos.	Each	1.00		
	Voltmeter & ammeter (one each) c/w rotay switches and CT's for Ammeter				
	<b><u>Busbar 1nos. - (each of RYB +N) copper 100A each</u></b>				
	Incomer - 100A 4P MCCB adjustable 25kA				
	<b><u>100A 4P Changeover outside Panel - Item 3 below</u></b>				
	<b><u>Outgoing (To be tapped from incoming side of the incoming MCCB)</u></b>				
	UPS- 32A 4P MCB				
	ATM - 32A 4P MCB				

	<b><u>From Main Bus</u></b>				
	63A 4P MCB- 3nos. - 2no. VTPN Db + 1 spare				
	32A 2P MCB's - 3nos. for Strong room, signage and 1 spare				
	Earth bus bar 25x5mm GI strip - 2nos. At the bottom.				
<b>LOM</b>	Ammeter, Voltmeter- AE/ L&T/ Mecco/ Rishab				
	Selector Switch, Push Button switch/ Emergency switch- Kay Cee/ L&T/ Siemens/ Schnider				
	Indication Lamps- AE/ L&T/ Siemens/ Schnider				
	CT's- L&T/ AE/ Kappa				
	AT's- L&T/ Siemens/ Schnider/ Legrand				
	MCCB- Legrand/ Schnider (MG)/ ABB/ Siemens/ L & T				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
3	<u>Changeover</u> : S/F of 100A 4P changeover near VTPN Db panel for regulating DG set supply including proper connections.	Each	1.00		
4	S/ laying of XLPE insulated armoured Aluminium Conductor cables including cost of lugs, cable glands etc. The cable should be laid on surface with proper clamps @750mm or laid & concealed in wall/ floor/ PVC Conduit/ false ceiling complete in all respect. The work also includes cutting chases for conduits in the wall/ floor (Without damaging the building) along with clamping the cable. All connection shall be done thru proper size of lugs				
	3.5c 25sq.mm from pole to 4P MCCB to Main panel	Metre	25.00		
LOM	Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI				
	Cable Lugs- Dowells				

5	S/ laying of XLPE insulated armoured Copper Conductor cables including cost of lugs, cable glands etc. The cable should be laid on surface with proper clamps @750mm or laid & concealed in wall/ floor/ PVC Conduit/ false ceiling complete in all respect. The work also includes cutting chases for conduits in the wall/ floor (Without damaging the building) along with clamping the cable. All connection shall be done thru proper size of lugs				
	4c x 16sq.mm for TPN Db's	Metre	40.00		
LOM	Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI				
	Cable Lugs- Dowells				
6	SITC of VTPN Db complete in all respects as under				
6a	For AC and PP- 4way VTPN Db - Double door - Rear behind officers	Each	1.00		
	Incomer - 63A 4P MCCB				
	5no. 32A 1P MCB - 1.5TR AC - 1 BM, 2 LHS, 1 RHS & 1 Rear				
	2no. 20A 1P MCB - 1 BM, 1 for two officers besides cash				
	5no. 16A 1P MCB - 1 cash, 1 officer on counter, 2 router & 1for D/w				
6b	For L&F Db - 4way VTPN Db - Location - RHS wall near pillar	Each	1.00		
	Incomer - 63A 4P MCB				
	5nos. 10A 1P MCB for L & F				
	4nos. 6A 1P MCB for L & F				
	Blanking Plates - 3nos.				
	All connection shall be done thru proper size of crimped lugs. All Db's body should be properly earthed.				
LOM	Distribution Boards Single/ Double door in steel sheet housing - ABB/ Legrand/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand/ Havell				

7	Strong room controlling DP MCB - Circuit wiring with 3*1.5sq.mm ZH - FRLS stranded Cu. wires laid in 20 mm PVC pipe OD medium duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job also includes supply & fixing of 32A 2P MCB in 2way metallic box including connections with lugs. The job shall be complete & to the entire satisfaction of the Bank.	Job	1.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma				
8	Glow sign Board - Circuit wiring with 3* 2.5 sq.mm ZH - FRLS stranded Cu. wires laid in 20 mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	m	10.00		
	PVC Insulated ZH - FRLS Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
8	Timer - Supply of 40 A SP 230 V analog time switch panel(TIMER), in manufacturer sheet steel panel, fully prewired with all components like time switch, MCB, contactor, selector switch, indicating lamp.(1 for sign board)	Nos.	1.00		
	Timers- L&T/ Legrand/ Schnider/ Siemens/ GE				
<b>5</b>	<b><u>DG SET SUPPLY</u></b>				
1	S/laying of 3.5c 25sq.mm XLPE insulated armoured Aluminium Conductor cable c/w 1*6sq.mm stranded copper wire for earthing from proposed DG set to Changeover switch including its connections at both ends with lugs to be laid in 25mm dia rigid PVC /flexible conduit	m	15.00		
<b>LOM</b>	Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI				
	Cable Lugs- Dowells				



	<u><b>IN SCOPE OF DG SET VENDOR. DG set supply shall be provided in the change over outside panel.</b></u>				
<b>6</b>	<b><u>EARTHING</u></b>				
1	<u>For Panel</u>				
	S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near main panel complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for Panel earthing/ earth bus in the panel and for 2 kiosks shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more.	Job	1.00		
2	<u>For UPS</u>				
	S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near UPS complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for UPS earthing/ UPS Db's earthing shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more.	Job	1.00		
2	Supply & Fixing of 4sq.mm ZH - FRLS Cu. Stranded wire on surface or in recess for loop earthing as required earthing to Db's or main panel as required.	m	28.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
3	S/F of 4 way earth link	Each	2.00		

<b>7</b>	<b>SUPPLY &amp; FIXING LIGHT &amp; FAN ITEMS</b>				
1	S/F of Energy efficient recessed mounted LED luminaire - 30/32w LED recessed mounted 2'X2' luminaire suitable for grid ceiling with indirect lighting delivering soft and uniform light - Make as approved by Bank/ architect	Each	7.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				
	-				
2	S/F of recessed LED downlighter - 15w LED recessed mounted high performance low-height LED downlighter c/w robust PDC housing complete in all respects- Make as approved by Bank/ architect	Each	20.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				
3	S/F of Surface & wall mounted LED batten - Ultra-slim poly carbonate decorative LED batten with inbuilt heat sink, anti glare polycarbonate diffuser & energy efficient electronic driver 20W 1800 lumens - Make as approved by Bank/ architect	Each	12.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				
4	S/ F of 2*18w LED Highly robust Industrial Box type Luminaire c/w 2nos. 18w LED tubes complete with in built driver, Double sided connection suitable for Surface, Wall and Conduit mounting c/w 2 nos. 20mm metallic conduit pipe for hanging complete in all respects.	Each	1.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				
5	S/F of 6000/6500 K, ( ≥480lumens) Sleek slim Surface mounted 7w/8w LED downlight complete in all respects - Make as approved by Bank/ architect	Each	3.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				

6	S/ff of Flexible LED strip light in 5metres length with 24w consumption IP - 20 protection input voltage 200-240V AC, BIS approved (Colour to be specified by Architect/ Bank) complete with energy efficient driver & complete in all respects - dimensions 5000x 10 x2mm (LX WX H)	Each	15.00		
	Light fittings - Philips/ Wipro/ Havells/ Crompton Greaves				
7	S/ F of recessed Profile light as directed by Puchaser/ Architect of following specifications	m	20.00		
	Wattage 18w/m, Material Aluminium Extruded 50*50mm, Finish - Aluminium, Colour- CW/ WW/ NW, Lumens 1440lms, Input voltage 180-300V AC, Opefrtaing voltage 220-240V, VAC & THD < 10%				
8	S/F of Translucent PVC stretch fabric fixed to Aluminium profiles attached to wooden box with screws. Fabirc shall be welded at ISO 9001: 2015 certified factory in India onto the semi-rigid PVC harpoon of white colour. The fabric with harpoon shall be inserted into rail/ track using saptula. Fbric shall be stretched & insefrted to the other rail/ track using spatula to form the required shape.	sq.ft	8.00		
	Thickness of membrane 0.18mm, Weight 250-300 gsm +/- 2%, Membrane width (without seams) - 500cm unstretched & 514cm stretched hairline seam afterwards. % Light Transmission - 75%, Fire rating: BS1D0incoordance with EN 13501 -1, Warranty 10years against welding joints VOC rating- ROHS+ REACH compliant installation system.				
	LED lighting: 24V OSRAM rigid block LED 6500k 160 degree best viewing angle with PMMA lens, ROHS certified power consumption:4w per rigid block LED SMPS- Drive with 5 years warranty, LED life Span 30000 hours/ 5 years				
9	Supply, Installation, Testing and commissioning of metal body Wall mounted Fan, 3 blade design, sweep 400-450 mm power input max 90 watt, Speed 1300-1330rpm with all accessories.	Each	8.00		
	Fans- Crompton/ Havells/ Bajaj/ Usha				

10	Supply, Installation, Testing and commissioning of 5 star energy efficient BLDC ceiling fan 1200mm complete with all accessories. Crompton/ Atomberg/ Bajaj/ Usha make or any equivalent make as approved by Bank/ architect	Each	4.00		
	Fans- Crompton/ Havells/ Bajaj/ Usha				
11	Supply, Installation, Testing and commissioning of 5star energy efficient BLDC metallic exhaust fans 250mm sweep Atomberg/ Havells/ Crompton/ Bajaj or any equivalent make as approved by Bank/ architect accessories.	Each	2.00		
	Fans- Crompton/ Havells/ Bajaj/ Usha				
12	S/ F of call bells as approved by Architect complete in all respects	Each	2.00		
	Anchor/ Havells				
<b>8</b>	<b><u>Telephone system</u></b>				
1	S/F modular telephone jack single with shutter outlet (RJ-11) with mounting box & front plate complete with chase cutting, mending good etc. as required including Supply & laying of 2 pair unarmoured 0.61mm dia. PVC insulated twisted pairs bunched together telephone cables through rigid 20mm dia PVC conduit as directed by the Bank/ Architect from telephone junction box to telephone socket outlet including interconnection as required complete in all respects.	Each	3.00		
	Telephone Wire -Delton/ Skyline/ Finolex/ Rallison/ Batra Henley				
2	10 Pair Tag box	Each	1.00		
	Telephone Tag Blocks- Krone/ Pouyet/ TVS				
3	MDS Box	Each	1.00		
	MDS box - Krone/ Pouyet/ TVS				

Total Cost of Electrical works					
	<b>DATA CABLING</b>				
1	Supplying and laying D-link make CAT-6e Cable in PVC 20mm dia OD medium conduit complete with <u>CAT-6 information outlet with plate &amp; surface Box</u> at work tables marked as DP	Point	8.00		
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Cable - D Link/ Schneider/ Commscop				
	I/O- DigiLink/ Cisco/ Schnider/ D- Link/ Commscopo				
2	S/ F of 7ft Grey colour Patch chord	Each	8.00		
	Patch Chord- DigiLink/ Cisco/ Schnider/ D- Link/ Commscopo				
3	S/ F of 3ft Grey colour Patch chord	Each	8.00		
	Patch Chord-DigiLink/ Cisco/ Schnider/ D- Link/ Commscopo				
4	S/F of 24 Port Patch Panel complete in all respects	Each	1.00		
	Patch Panel- Brocade/ Cisco/ DigiLink/ 3 Com/ Nortel/ Foundary/ D- Link				
5	S/F of 24 Port switch complete in all respects	Each	1.00		
	Switch- DigiLink/ Cisco/ Schnider/ D- Link/ Commscopo				
6	Supply & Fixing of wall mounted rack 4U with glass perforated front door and removable rear locking door, Mounting Hardware pack, Fan assembly - Cable entry from rear complete in all resoects	Each	1.00		
	Racks- Com Rack/ HCL/ Val Rack/ APW President				
7	Supply & fixing of 1U - PVC cable Manager with cover	Each	1.00		

	Cable Manager - Krone/ Pouyet/ TVS				
	<i>Total for Data/ LAN Cabling</i>				
<b>A</b>	<b>TOTAL FOR ELECTRICAL &amp; DATA CABLING</b>				
<b>E-LOBBY</b>					
<b>S.No.</b>	<b>Particulars</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate</b>	<b>Amount</b>
	The work shall also include for cutting chase for conduits and moulded boxes, if required, in the wall/ floor (Without damaging the building/wall) along with clamping the conduit at every 750mm interval & finally finishing the surface & matching the same with the existing surface. Item 1,3, 4 & 5				
	The rate should include the cost of all materials, modular switch complete with MS box & cover plate, labour, T&P, taxes & levies, scaffolding, shifting of furniture, carting away the debris and cleaning the floor etc				
1	<b><i>L&amp;F Point Wiring, Circuit wiring &amp; Power Point wiring</i></b>				
	<b><i>L &amp; F Points</i></b>				
1	Primary Point Wiring for light points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The rates shall include cost of circuit wiring with 3*1.5sq.mm ZH -FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controlling SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Point	4.00		
2	Secondray Light Point				

	Same as above but looped from PP with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Point	1.00		
3	6 A switch socket points on Sdb: S/F of 6A switch points with an additional indicator and 6Amp. modular Type switch & socket. It shall have 3*1.5sq.mm FRLSH stranded Cu. Wire as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	Point	1.00		
4	Point Wiring for wall fan points controlled thru modular switches complete with boxes & cover plate - The point wiring shall be carried with 3*1.5sq.mm ZH - FRLS stranded Cu. Wires in 20mm PVC conduit pipe concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall also included S/F of 6A switch socket near wall fan for regulating the same. The job shall include cost of circuit wiring with 3*1.5sq.mm ZH- FRLS Cu stranded wires in 20mm OD PVC Pipe from nearest TPN Db to controloing SDb. The job shall be complete & to the entire satisfaction of the Bank. Each Switch board should be provided with suitable capacity fuses/ fuse indicator	Each	2.00		
	<i>Power Point Wiring</i>				
1	Primary Power Point: Raw power points on workstations / table / Printer etc using 3*4 Sq.mm ZH - FRLS Cu. stranded wire laid in 20mm OD PVC pipe medium conduit pipe laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. Each power point shall also consists of 1*16A, 2/3/5 pin sockets & 1*16A Switch , wired together forming one point. The earth wire of green color only.	Point	2.00		
LOM	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma				

2	<b><u>Air - Conditioning</u></b>				
1	AC Point: Providing AC points with circuit wiring with 3*4sq.mm ZH - FRLS Cu stranded wires to be laid in 20mm PVC medium concealed in wall/ floor/ panelling/ partitions as per requirement. The work shall include S/F of MCB protected power unit for AC c/w 32A 2P MCB including proper connections. The job shall be complete & to the entire satisfaction of the Bank.	Point	2.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	MCB Protected Power unit c/w10kA MCB "C"- Havells/ L&T/ Siemens/ Schnider				
3	Wiring with 3*4.0sq.mm ZH - FRLS stranded Cu. wires laid in 20mm OD PVC/ flexible pipe heavy duty laid on floor & concealed in wall/ floor as per requirement <u>to various voltage stabilizers</u> . The job includes making connections at both ends with proper size of lugs to the entire satisfaction of the Bank.	m	10.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
3	<b><u>UPS</u></b>				
	<b><u>Assuming 2nos. 2KVA separate UPS shall be used for E Lobby - TO BE INSTALLED IN UPS ROOM</u></b>				
	-				
1	S/ F of 2way SPN Db metallic c/w 32A 2P MCB including all connections complete in all respects to the entire satisfaction of the Architect/ bank. For Input supply to 2nos. UPS in UPS room & common output Db The incoming supply shall be taken from common 4way HTPN Db in Branch UPS room.	Each	3.00		
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				



2	Supply & laying of incoming & outgoing wiring to & from UPS with 3*2.5 sq.mm ZH- FRLS stranded Cu. Wires laid in 20/25 mm flexible PVC pipe medium duty to UPS incoming & from UPS outgoing.to UPS Db. It includes qty from branch UPS room to E Lobby SPN Db.	m	30.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
3	E Lobby UPS Output Db - S/F of 8way SPN Db c/w 40A 2P MCB and 5*16A 1P MCB as outgoing feeders including proper connections thru lugs. The job shall be complete & to the entire satisfaction of the Bank.	Each	1.00		
	Distribution Boards Double door in steel sheet housing - ABB/ MDS/ Lexic/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand				
4	Supply & Installation of point wiring for UPS power plug points on workstations / table for computers using 3*1.5 Sq.mm copper conductor multi stranded FRLSH wire pulled through floor raceways/conduit and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions. Each point consisting of 3 nos of 6A , 2/3 pin sockets & 1 No., 16A Switch wired together forming one point. The earth wire of green color only.	Each	5.00		
	PVC Insulated FRLSH Copper wire (ISI Marked)- Skyline/ Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Modular Switch/ Sockets - ABB/ Legrand/ MK/ Anchor/ Elleys/ Roma				
<b>4</b>	<b><u>DISTRIBUTION MAINS</u></b>				
1	S/laying of 4 core 6sq.mm XLPE insulated armoured Copper conductor cable from main Panel to 4way VTPN Db in E Lobby to be laid in heavy duty 25mm PVC conduit/ pipe & run on surface or concealed in wall/ floor/ flase ceiling including connections at both ends with lugs.	m	18.00		
LOM	Cables Armoured/ Unarmoured - Finolex/ Polycab/ Havells/ RR Kabel/ KEI				

	Cable Lugs- Dowells				
2	Supply & laying of 6Swg GI wire on surface or in recess for loop earthing along with sub main cable as required complete in all respects	m	18.00		
3	Supply, installtion, testing & commissioning of 4way HTPN Db complete in all respects for AC, PP & LF as under - Location LHS wall in E Lobby	Each	1.00		
	Incomer - 63A 4P MCB				
	3no. 32A 1P MCB - for 2nos. AC's & Glow signage				
	2no. 16A 1P-MCBs 10 KA - for single PP - 2 spare PP for machines				
	2nos. 10A 1P-MCBs 10 KA for L & F + 1SPARE				
	Blanking Plates - 5nos.				
	All connection shall be done thru proper size of lugs. All Db's body should be properly earthed.				
LOM	Distribution Boards Single/ Double door in steel sheet housing - ABB/ Legrand/ Siemens/ HPL				
	MCB- 10kA "C" Characteristics L&T/ Siemens/ Schnider/ Legrand/ Havell				
4	Glow sign Board - Circuit wiring with 3* 2.5 sq.mm ZH - FRLS stranded Cu. wires laid in 20 mm PVC pipe heavy duty laid & concealed in wall/ floor/ panelling/ partitions or above false ceiling as per requirement. The job shall be complete & to the entire satisfaction of the Bank.	m	10.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
5	Timer - Supply of 40 A SP 230 V analog time switch panel(TIMER), in manufacturer sheet steel panel, fully prewired with all components like time switch, MCB, contactor, selector switch, indicating lamp.(1 for sign board)	Nos.	1.00		

	Timers- L&T/ Legrand/ Schnider/ Siemens/ GE				
<b>5</b>	<b><u>EARTHING</u></b>				
1	<u>For UPS &amp; Machines</u>				
	S/burying of Dual pipe technology earthing electrode having GI 65mm O/D pipe with 25 micron coating, 3metres long. The job also includes S/F of GI strip clamp with two holes (with SS/GI bolts & nuts) on the electrode & taking one lead of 4sq.mm Cu stranded wire (Cost of 4sq.mm wire extra as under) upto 4way earth link near UPS complete in all respects with guaranteed E/N voltage of less than 2 volts and resistance less than 1 ohms. The 4sq.mm Cu stranded wire shall be terminated on 4way earthlink. The connections for UPS earthing/ UPS Db's earthing shall be taken from this earthlink. The distance between two earthing pits to be 10ft or more.	Job	1.00		
2	Supply & Fixing of 4sq.mm FRLSH Cu. Stranded wire on surface or in recess for loop earthing as required earthing to Db's or main panel as required.	m	30.00		
	PVC Insulated ZH - FRLS Copper wire Finolex/ Havells/ Polycab				
	Body of all Kiosks installed in E Lobby shall be properly earthed.				
3	S/F of 6 way earth link	Each	1.00		
<b>6</b>	<b>SUPPLY &amp; FIXING LIGHT &amp; FAN ITEMS</b>				
1	S/F of recessed LED downlighter - 15w LED recessed mounted high performance low-height LED downlighter c/w robust PDC housing complete in all respects- Make as approved by Bank/ architect	Each	4.00		
	Light fittings - Philips/ Wipro/ Osram/ Havells/ Crompton Greaves				
2	S/F of Translucent PVC stretch fabric fixed to Aluminium profiles attached to wooden box with screws. Fabric shall be welded at ISO 9001: 2015	sq.ft	40.00		

	certified factory in India onto the semi-rigid PVC harpoon of white colour. The fabric with harpoon shall be inserted into rail/ track using saptula. Fbric shall be stretched & insefrted to the other rail/ track using spatula to form the required shape.				
	Thickness of membrane 0.18mm, Weight 250-300 gsm +/- 2%, Membrane width (without seams) - 500cm unstretched & 514cm stretched hairline seam afterwards. % Light Transmission - 75%, Fire rating: BS1D0incoordance with EN 13501 -1, Warranty 10years against welding joints VOC rating- ROHS+ REACH compliant installation system.				
	LED lighting: 24V OSRAM rigid block LED 6500k 160 degree best viewing angle with PMMA lens, ROHS certified power consumption:4w per rigid block LED SMPS- Drive with 5 years warranty, LED life Span 30000 hours/ 5 years				
3	Supply, Installation,Testing and commissioning of metal body Wall mounted Fan, 3 blade design, sweep 400-450 mm power input max 90 watt, Speed 1300-1330rpm with all accessories.	Each	2.00		
	Fans- Crompton/ Havells/ Bajaj/ Usha				
<b>Total Cost of Electrical works</b>					
<b>DATA CABLING</b>					
1	Supplying and laying D-link make CAT-6e Cable in PVC 20mm dia OD medium conduit complete with <u>CAT-6 information outlet with plate &amp; surface Box</u> at work tables marked as DP	Point	5.00		
	PVC Conduit- CAP/ BEC/ Sieko/ AKG				
	Cable - Digi Link/ Clipser/ National/ Polycab/ Lapp/ Finolex				
	I/O- DigiLink/ Tyco (AMP)/ Schnider/ D- Link				
2	S/ F of 7ft Grey colour Patch chord	Each	5.00		
	Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D- Link				
3	S/ F of 3ft Grey colour Patch chord	Each	5.00		

	Patch Chord- DigiLink/ Tyco (AMP)/ Schnider/ D-Link				
	<b>Total for Data/ LAN Cabling</b>				
<b>B</b>	<b>TOTAL FOR ELECTRICAL &amp; DATA CABLING</b>				
<b>AC PIPING WORKS</b>					
<b>1</b>	Drain Water Piping Constructed out of PVC Hard Pipes, fitting, accessories, bends, elbows, tees, hanger, support, anchors, ISI approved Finolex/Prince Make (32mm)	<b>RM</b>	<b>90.00</b>		
<b>2</b>	Rate for Extra Piping (Rate above 12 Feet pipe which will be free with each unit) Ref.Piping(Only single distance will be measured between Indoor & Outdoor Units)				
<b>a</b>	Copper Piping Refrigerant along with insulator Piping for Hi Wall 1.5 ton, 1/2 and 1/4 Soft Copper Refrigerant piping with complete fitting, elbows bends supporting arrangements Nissan, Merchant, MET tube, Totaline tube, pressure tested tube and S.I.T.C. of 12.5 Sq.mm. & 6.25 Sq.mm. dia. Copper refrigerant pipe with foam Insulation between Indoor & Out door units with breaking of wall for making hole wherever required For Split Air-Conditioners. And S.I.T.C. of 19 mm dia & 16 mm dia Copper Refrigerant Pipes with Foam insulation between Indoor & Out door units. with breaking of wall wherever required for 2-3 Tr Cassette/ Inverter Air conditioners.	<b>Rm</b>	<b>110.00</b>		
<b>b</b>	S.I.T.C. of 4 core Copper conductor flexible cable between Indoor & Outdoor Unit through holes made as above	<b>Rm</b>	<b>116.00</b>		
<b>3</b>	Cyclic Timer for Server Room AC.	<b>No</b>	<b>1.00</b>		
<b>C</b>	<b>TOTAL AC PIPING WORKS</b>				

	<b>TOTAL (A+B+C)</b>				

**Note: All rates are excluding G.S.T.**

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**Ar. Gunjan Kapur**

**(Gunjan And Associates)**