

REGIONAL OFFICE, GHAZIPUR WEST

1ST floor, Shubhra Motel Complex, Mahua Bagh, Ghazipur – 233001

Ph Nos: 0548-2220662, 8873790025

e-mail – dyrh2.ghazipurwest@unionbankofindia.bank.in

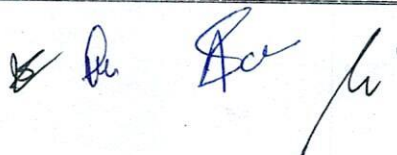
“OPEN TENDER”

**NOTICE INVITING TENDER FOR REPAIR & RENOVATION WORKS FOR RSETI
GHAZIPUR UNDER REGIONAL OFFICE GHAZIPUR WEST, GHAZIPUR, UP-
233001.**

Union Bank of India invites sealed tender from eligible Vendors for above mentioned works Tender can be collected from the above-mentioned address of RO GHAZIPUR West from 10:00 AM to 4:00 PM during working days from 28-07-2026 to 17-08-2026. The tender form shall also be available during aforesaid period at the Bank's website www.unionbankofindia.com and www.eprocure.gov.in. The last date for submission of tender is 17-08-2026 till 04:00 pm. The tender received will be opened on 17-08-2026 at 5:00 pm at the above mentioned address of RO GHAZIPUR West in presence of applicants / their authorized representatives.

The Bank reserves the right to reject any or all applications without assigning any reasons whatsoever.

ISSUE OF TENDER FORMS	FROM 28-07-2026(10:00 AM) TO 17-08-2026 (UP TO 04:00 PM)
LAST DATE OF SUBMISSION	17-08-2026 UP TO 04:00 PM
BID OPENING DATE	17-08-2026 AT 05:00 PM
EMD	RS. 24,000/- BY WAY OF DD FAVORING UNION BANK OF INDIA PAYABLE AT GHAZIPUR WEST
TENDER FEES	Rs. 1000.00 BY WAY OF DD FAVORING UNION BANK OF INDIA PAYABLE AT GHAZIPUR WEST. VENDOR SEEKING EXEMPTION SHALL FILL BID SECURITY DECLARATION.
PERIOD OF COMPLETION	30 DAYS
ELIGIBILITY CRITERIA: ANY OF THE BELOW MENTIONED.	
➤ VENDOR EMPANELED UNDER CATEGORY A OF FURNISHING WORKS UNDER UNION	



BANK OF INDIA.

- **VENDORS EMPANELED UNDER ANY OTHER PSU or Govt. Department FOR FURNISHING/CIVIL WORK AND HAVE COMPLETED AT LEAST ONE WORK OF ESTIMATED VALUE MORE THAN RS. 20.00 LAKH IN LAST THREE YEAR. COPY OF WORK ORDER NEEDS TO BE ATTACHED. DETAILS OF WORK TO BE MENTIONED:**

Name of Client	Details of work	Work Order No	Satisfactory completion certificate	Value of Work

NOTE:- BIDS WILL BE OPENED IN PRESENCE OF TENDER COMMITTEE. IT IS DESIRED FOR BIDDERS OR THEIR AUTHORISED REPRESENTATIVES TO BE PRESENT AT THE SPECIFIED DATE

THE SUCCESSFUL BIDDER HAVE TO SUBMIT INITIAL SECURITY DEPOSIT OF 2 % OF THE TOTAL CONTRACT VALUE IN FORM OF DEMAND DRAFT / BANK GUARANTEE AFTER ADJUSTING EMD

PLACE OF SUBMISSION & OPENING OF BIDS :

**REGIONAL OFFICE -GHAZIPUR WEST
SHUBHRA COMPLEX, MAHUABAG, GHAZIPUR UP 233001**

- 1) The work consists of Furniture, furnishing & finishing work as detailed in tender.
- 2) Intending bidders are hereby advised to inspect the site thoroughly, ascertain all the works needed to carry out the mentioned work and bid in accordance. Claim of anything extra in this regard at any stage of work shall not be entertained.
- 3) The Rates under the contract include for full, final & entire completion of all works in all respects described in contract & as shown in details at any stage forming part of the contract. Tenders will be opened in the presence of contracting agencies or their authorized representatives.
- 4) Tender shall be submitted in a sealed envelope. The envelope shall be marked as “**Tender for Repair Renovation works for RSETI Ghazipur Under Union Bank Of India RO Ghazipur West**”, and shall contain completely filled form with all required enclosures. The price bid shall be packed in a separate sealed envelope and kept with technical documents and all the documents shall be packed into mentioned envelope. Unsealed price bids shall be rejected.
- 5) **Tenders will be opened as per schedule in presence of authorized representative of the participating agencies.**
- 6) The bidders must use only the forms issued for the purpose to fill in the rates. Intimation of quote by letter, telegram / telex /email will not be acceptable. The tender must be submitted at mentioned address.

SIGNATURE & STAMP OF BIDDER

- 7) Bidders are advised not to make any alteration/modification in the tender form, Item of work or in any respect whatsoever. Violation of this requirement will make tender Liable for rejection.
- 8) In case of postal delivery, the bidder has to ensure that tender is reached before the due date and time. Bank will not be responsible for damage in the transit and delay of receipt of quotation, if any or sent by a special messenger. Tender received late shall be rejected.
- 9) Every page of the tender should be signed by the authorized person as token of his/their having acquainted himself/themselves with the General and Special Conditions of Contract, Specifications etc., as laid down. Any bid with any of the documents not so signed will be rejected.
- 10) No consideration will be given to a tender received after the time stipulated above and no extension will be allowed for submission.
- 11) Bank shall not be bound to accept the lowest quote and reserves the right to accept or reject any or entire tenders without assigning any reason whatsoever.
- 12) This notice inviting tender, the conditions and the duly completed form etc. will form part of the Agreement to be executed by the successful bidder with the bank.
- 13) The bidders will have to deposit EMD of **Rs. 24,000/-** by way of Demand Draft in favor of "Union Bank of India" and payable at Ghazipur. The vendors seeking relaxation in EMD should submit copy of Government orders regarding exemption and copy of valid certificates confirming the eligibility of intending bidder for exemption. The intending bidders seeking relaxation in EMD if fail to submit the required documents/ initial security deposit / Performance guarantee as called upon by Bank after award of work within stipulated time shall be blacklisted as per Banks guidelines in vogue. The bidder seeking relaxation in EMD shall submit Bid Security declaration as per enclosed format (refer Annexure - 01).
- 14) 8% of the Running bill amount would be retained by Bank as security deposit and 50% of total security deposit shall be released at the time of final bill, balance 50% of Security deposit (making 5% of Final bill amount) shall be retained by Bank and would be released after successful completion of defect liability period of one year.
- 15) The time of completion of Project is 45 days.

INSTRUCTION WITH REGARD TO SUBMISSION OF TENDER

- 1) Rates should be quoted both in figures and words in the columns specified. All erasures and alterations made while initials of the Bidder must attest filling. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the bid invalid and it will be the option of the Bank to accept or reject the bid. No request of any change in rate or conditions of the tender will be entertained.
- 2) In the case of figures, the word Rs. should be written before the figures of rupees and the word P' written after the decimal figures e.g. Rs. 3.25 P. In the case of words, the word Rupee should similarly precede and the words "Paise only" should be written at the end, closely following each the percentage rate. The word "only" should not be written in the next line unless the rate quoted is in whole Rupees closely followed by the word "only": The amount should invariably be up to two decimal places.
- 3) The different Schedules should be filled as follows:
 - (a) The "Rate" Column wherever applicable to be legibly filled in ink in both figures and words.
 - (b) The "Amount" Column also to be legibly filled in ink in both figures and words.
 - (c) All corrections to be initiated.
 - (d) No over writing is allowed.
 - (e) The figure of percentage of rate shall be legibly filled in ink in both figure and words.
- 4) Errors in the bill of quantities shall be dealt with in the following manner.
 - a. In the event of any discrepancy between the rates quoted in words and the rates in figures the former shall prevail.
 - b. In the event of an error occurring in the amount column of the bills of quantities as a result of the wrong extension of the unit rate and the quantity, the unit rate shall be regarded, as firm and extension shall be amended on the basis of the rates.
 - c. All the errors in totaling in the amount column and in carrying forward the totals shall be corrected.
- 5) The tender shall be signed and dated at all places provided therein. Also all pages and corrections / alterations shall be initialed. The tender submitted on behalf of a firm shall be signed by all the partners of the firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract. Otherwise the tender shall be liable to be rejected.
- 6) The bidder shall submit his tender after carefully examining the whole of the tender document and the terms and conditions of contract, the specifications, the schedule of quantities etc., and also after examining the site and conditions prevailing in and around site.

- 7) The Bank does not bind itself to accept the lowest or any tender and reserve the right of accepting the whole or any part of the tender and bidder is bound to perform the same at the rates quoted. The Bank will not be bound to accept the lowest tender and reserves the right to accept or reject any or the entire tender without assigning any reasons whatsoever. The work may also be divided among the contracting agencies depending on the exigencies of the bank.
- 8) Quotations shall remain valid for a period of 180 days from the date of opening of the tender which period may be extended by mutual agreement and the bidder shall not cancel or withdraw the tender during the initial validity period of 180 days.
- 9) The successful bidder shall be bound to implement the Contract and mobilize and sign specified agreements within 07 days from the date of acceptance of work order.
- 10) Bidders must include in their rates, sales tax (State & Central Govt.), labour / education cess, excise duty, octroi, sales tax on works contract, VAT and any other tax & duty or other levy by the central and state government applicable on the date of submitting bid. Deductions in respect of sales tax or turnover levied as per government notification and/or guidelines shall be made from the Contractor's interim and final bills, and deposited with the relevant authority by the Bank, on his behalf. Any shortfall in deposit thereof shall be made up by the contractor, before submitting his final bill. Due to change in taxes structure by orders from Central Govt. / State Govt. after opening of quotations shall be reimbursed to the contractor as per actual and upon verifying the proof of having made the payment. The applicable GST shall be paid extra.
- 11) This contract shall be an Item Rate contract. The Contractor shall be paid for actual quantity of work done, as measured at site including any deviation plus or minus. The rate of any non-schedule items of work shall be decided as mentioned in the conditions of contract.
- 12) No correspondence will be entertained in respect of this tender other than any clarifications strictly pertaining to this quotation.
- 13) The tender price quoted by a bidder shall be kept strictly confidential and shall not be divulged to any other party even approximately before the time limit for delivery of quotation. The only exception be for obtaining an insurance quotation, you may give your insurance company or agent any essential information they ask for, so long as it is done in strict confidence. No information about other's tender price should be obtained and no arrangement with anyone else should be made whether or not he submits the tender.
- 14) Contractor should sign at the end of every page prior to submitting the tender.
- 15) Conditional tenders will be summarily rejected.

INDEMNITY BOND

On the acceptance of this tender, the contractor will be required to execute an Indemnity Bond with-in 7 days of issue of work order in favor of the bank against third party claims, civil or criminal complaints, site mishaps and other accidents or disputes, against any damages, loss or expenses due to or resulting from any negligence or breach of duty on the part of the contractor, his subcontractors or his employees and agents etc., as per the appropriate Indemnity Bond attached.

It will also be covered by labour laws of the Govt. of India.

Any other conditions suggested by the Bank may be added subsequently.

INDEMNITY BOND

(On Non-Judicial Stamp Paper of Rs. 10/-)

KNOW all men by these presents that I/We _____ do hereby execute Indemnity Bond in favour of the Union Bank of India on this _____ day of _____ 202__.

WHEREAS Union Bank of India, (address of the office) _____, have appointed _____ as the Contractors for _____.

THIS DEED WITNESS AS FOLLOWS:

I/We _____ hereby do Indemnify and save harmless Union Bank of India, _____ against

1. Any third party claims, civil or criminal complaints/liabilities, site mishaps and other accidents or disputes and/or damages occurring or arising out of any mishaps at the site due to faulty work, negligence, faulty construction and/or for violating any law, rules and regulations in force, for the time being while executing/executed works by me/us.

2. Any damages, loss or expenses due to or resulting from any negligence or breach of duty on the part of me/us or my sub contractor's if any, servants or agents.

3. Any claim by an employee of mine/ours or of sub-contractors if any, under the Workmen's Compensation Act and Owners Liability Act, 1939 or any other law, rules and regulations in force for the time being and any Acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of the execution of the contract work and/or arising out of and in the course of employment of any workman/employee.

Any act or omission of mine/ours of sub-contractor's if any, our/their servants or agents which may involve any loss, damage, liability, civil or criminal action.

IN WITNESS WHEREOF THE _____ has set his/their hand on this day of _____ 202__.

SIGNED AND DELIVERED BY THE	NAME AND ADDRESS
AFORESAID _____	(Contractor)

IN THE PRESENCE OF WITNESSES:

- 1.
- 2.

SIGNATURE & STAMP OF BIDDER

ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made at _____ this _____ day of _____

BETWEEN

UNION BANK OF INDIA, a body corporate constituted under the Banking Companies (Acquisition & Transfer of Undertakings) Act, 1970 and having its Office at 239, Vidhan Bhavan Marg, Nariman Point, Mumbai 400 021, hereinafter called “the Bank” (which expression shall, unless it be repugnant to the context or meaning thereof, include its successors and assigns) of the **ONE PART**

AND

MESSRS _____, having its registered office _____, hereinafter called the “Contractor” (which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) of the **OTHER PART**.

WHEREAS

- i. The Bank is desirous of “_____ **Work**” at _____
- ii. The Bank has already appointed and retained M/s _____, having its Office at _____
- iii. The Bank has caused the bills of quantities showing and describing the works to be done to be prepared by or under the direction of the Bank;
- iv. The Bank had invited tenders for “_____” work in accordance with the general conditions of contract, special conditions of contract, technical specifications, and bills of quantities and furnished to the Contractor.
- v. Having examined the general conditions of contract, special conditions of contract, technical specifications, bills of quantities, the Contractor offered to execute, complete and maintain the whole of the Works relating to the Project in conformity with the said general conditions of contract, special conditions of contract, technical specifications, bills of quantities and in accordance with instructions issued by the Bank and the Contractor submitted its tender for the contract sum of **Rs. _____ plus, applicable GST (Rupees _____ + applicable GST)** towards the said work.
- vi. Towards the implementation of the Project, the Contractor has supplied the Bank with a fully priced copy of the said bills of quantities (which copy is hereinafter referred to as “the Contract Bills”). The Contract Bills have been signed by or on behalf of the parties hereto:
- vii. The Contractor has already agreed with the Bank to implement and execute the Project in full on the basis of the contract documents as hereinafter defined on the terms and conditions therein contained;
- viii. The parties are now executing this Agreement setting out the basic terms of the agreement between them for smooth implementation and execution of the Project without any unnecessary difference or dispute.

SIGNATURE & STAMP OF BIDDER

NOW IT IS HEREBY AGREED as follows:

1.a Unless the context otherwise requires the contract documents above mentioned shall be harmoniously construed and in the chronological order.

1.b Unless otherwise stated expressly hereunder, all the general and special terms and conditions shall apply and binding on the contractor.

1. The Contract Document is complimentary. What is called for in any one shall be as binding as called for by all. The aforesaid shall form integral part of contract and in the event of any inconsistency between any provisions herein the provisions of the Contract Documents shall prevail. When any of the General and Special Conditions are at variance, the condition stipulated in the Special Conditions of Contract shall supersede relevant provisions in General Conditions. For all matters not specifically provided for herein the provisions of General and Special Conditions in the Tender Documents shall apply and the rights and liabilities of the parties shall be decided accordingly. The decision of the Bank in this regard shall be final and binding.
2. All time limits stated in the Contract Document are of the essence of the contract where the work has to be completed within 30 days failing which liquidated damages will be recovered @ 0.5% of contract amount for per week of delay subject to maximum recovery of 10 % of the contract amount.
3. For the consideration hereinafter mentioned, the Contractor shall carry out and complete the Works in conformity with the contract documents and in accordance with the instructions issued by the consultant from time to time including all modifications extra and additional works and obligations to be carried out either on the Site or at any factory or work shop or any other place for subsequent incorporation as required for the due performance of the contract.
4. The general character and the scope of the Works is illustrated and defined by the specifications and the bills of quantities herewith attached and by the signed drawings. The scope includes furnishing all materials, labour, tools, equipment and management necessary for and incidental to the construction and completion of the Works. If the Contractor shall find any discrepancy in or divergence between the contract drawings and/or the contract bills he shall immediately give to the Consultant a written notice specifying the discrepancy or divergence and the Consultant shall issue instructions in regard thereto which shall be complied with by the Contractor.

5. INTENT

The intention of arrangement is to secure the performance of the Contractor's obligations to the satisfaction of the Bank. All labour, material, equipment, constructional plant and transportation necessary for the proper execution of the Project is to be provided by the Contractor and should only be of the approved manufacturer/agencies respective kinds as described in the Contract Documents which is to be subjected from time to time to such tests as the Engineer/ Consultant's representative may direct. In case the required material/services of approved manufacturers/agencies are not available or are not upto the mark the Contractor shall procure material/ services from such other manufacturer/agencies as may be approved by the Bank and the Contractor shall submit rate analysis for such material.

6. EXTENT

The Contractor shall carry out and complete the Works in every respect in accordance with this contract and with the directions of and to the reasonable satisfaction of the Bank. The Bank may in their absolute discretion and from time to time issue further drawings, details and/or written instructions and written explanations whole of which are collectively referred to as Consultants' instructions. All such drawings and instructions shall be consistent with the Contract Document true developments thereof as reasonably inferable therefrom.

7. TYPE OF CONTRACT

The Contract is an Item Rate contract. The Contractor shall be paid for the actual quantity of Work done, as measured at Site, at the rates quoted by him in the Contract Bills.

The contractors have:-

- i. Been informed that the schedule of approximate quantities is liable to alteration by omission, deduction, substitution or additions at the discretion of the Bank without affecting the terms of the contract and no compensation to Contractor.
- ii. Fully and correctly understood the meaning of all the tender documents, the General Conditions of Contract, Special Condition of Contract, Technical Specifications, Bill of Quantities or part thereof.

8. CONTRACTORS COVENANTS

- i. The Tender form conditions, priced schedule of quantities, and General and Special Conditions of Contract, specifications, priced Bill of Quantities, Schedule of Rates and Prices, if any, Tender, pre-contract correspondence, Letter of Intent/Acceptance, Work order, shall be read and construed as forming part of this agreement and the Contractor shall abide by and submit themselves to all the conditions and stipulations contained therein; which are not specifically incorporated herein;
- ii. The Contractor shall obtain necessary permissions/ certificates/ order from the Competent Authority in respect of workmen employed by them for the Project and shall keep the Bank safe, harmless and reimburse all amounts/expenses incurred or suffered by the Bank in connection with any such claim;
- iii. The Contractors shall not make any claim as regards want of information of any particular point or any change in the rate or conditions save and except as provided herein;
- iv. The Contractors shall have a duly authorized agent at the place of Work to accept services of notice and to agree to extras, omissions, additions and substituted items of Works and rates from the commencement of the Work until it is virtually completed.
- v. In the event of any discrepancy between the details and/or description given in the Bill of Quantities, the Drawings and the Technical Specifications, such item shall be deemed to have been priced in accordance with the details and/or description confirming to the most superior provisions contained in any of the following: -
 - a) Bill of Quantities
 - b) Technical Specifications
- vi. It shall be understood that the details and/or description not specifically mentioned in the Bill of Quantities shall be the same as those mentioned in the Technical Specification. Any

further interpretation of above Clause shall be at the discretion of the Bank, whose decision shall be final and binding on the parties to the contract.

- vii. The Contractors shall not make any claim for increase in the contract consideration on the basis of incorrectness and insufficiency of the information available at the time of submitting the Tender and/ or incorrectness and insufficiency of the rates and prices stated in the price bill of quantity and schedule of rates and prices or otherwise alleging insufficiency of the tender amount to cover their obligation under the contract or matters concerning the execution of the Project.
- viii. It shall be responsibility of intending bidder to visit site and make self-assessment of work and bid accordingly, nothing extra can be claimed in this regard at any stage of work.
- ix. The Contractor shall be fully responsible for the adequacy, stability and safety of all site operations and methods of construction.
- x. The Contractor shall promptly inform the Bank of any error, omission, fault and other defects in specifications for the Works, which are discovered while reviewing the Contract Documents or in the process of execution of the Works.
- xi. The Contractor shall arrange for the permits and licenses for release of materials, which are under Government control subject to the Bank giving all the necessary assistance and signing any forms or applications that may be necessary.
- xii. The Contractor shall comply with the provisions of all statutory legislation prevailing during the currency of contract.
- xiii. The Contractor shall keep the Bank saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the Bank in connection with any claim that may be made by any workmen.

9. GENERAL CONDITIONS

- i. The schedule of Quantities given in the Contract Bill is provisional and are meant to indicate the intent of the Work and to provide a uniform basis for tendering. The Bank reserves the right to increase or decrease any of the quantities or to totally omit any item of Work and the Contractor shall not claim any extras or damages on these grounds.
- ii. Any error in description or in quantity or omission of items from the Contract Bill shall not vitiate this Contract but shall be treated as a variation.
- iii. The rates quoted by the Contractor in the priced bill of quantities (Contract Bills) shall be treated as firm and the contract sum shall be deemed to have been calculated with reference to the cost of execution of Works as set out in Contract Documents and shall not be adjusted or altered for any reason other than any adjustments on account of statutory rise or fall in the cost of labour and/or material or any other matters affecting the cost of execution of Works, or price variation adjustment formula if provided.
- iv. Notwithstanding anything contained elsewhere in any of the clauses of the tender, the prices/rates quoted for each item/Work in the Bills of Quantities shall be deemed to be inclusive of all direct and indirect costs, duties, taxes, sales tax, consignment tax, octroi/local tax, Works contract tax, etc. on any of inputs, royalty on quarried items etc. that may be involved in completing the item/Work as required in the fulfillment of all obligations under the contract and to the satisfaction of the Bank. Additional Taxes /

Levies by Central / State Government legislations after opening of tender shall be reimbursed to the contractors as per actuals.

14. All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for Work actually done and completed, and shall not preclude the repairing of bad, unsound, and imperfect or unskilled Work to be removed and taken away and reconstructed, or re-erected or be considered as an admission of the due performance of the contract, or any part thereof in any respect or the accruing of any claim, nor shall, it conclude, determine or affect in anyway the power of the Bank under these conditions or any of them as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for completion of the Work and payment shall be made within eight (8) weeks from the date of receipt of final Bill and joint measurement.

15. INSURANCE

- i. Without limiting the obligations and responsibilities under Contract Clause for Care of Work the Contractor shall effect third party insurance with an insurer and in terms approved by the Bank in the joint names of the Bank and the Contractor-
- ii. against all loss or damage from whatever cause arising, other than the excepted risks stated in contract clause of the General Conditions for which the Contractor is to be held responsible under the terms of the Contract so as to cover the Bank and the Contractor during the period beginning with commencement of the Works until the date stated in the Certificate of Completion for the whole of the Works.
- iii. Against any loss or damage occasioned by the Contractor in the course of any operations carried out by him for the purposes of completing the outstanding Work during the Defects Liability period pursuant to the Undertaking given at the time of applying for the issue of Certificate of Completion.
- iv. Against any loss or damage occasioned by the Contractor in the course of any operations carried out by him for rectifying any defect in perfection or fault appearing during the progress of the Work or during the Defects Liability Period.
- v. Against any loss or damage occasioned by the Contractor in the course of any operations carried out by him for searching the cause of any defect, imperfection or fault appearing during the progress of the Works or during the Defects Liability Period.
- vi. Against any liability for or in respect of any damages or compensation payable at law in respect of or in consequence of any accident or injury to any workmen or other person in the employment of the sub-Contractor provided the sub-contractors shall not have insured against such contingency. (Insurance against accident etc. to workman)
- vii. Unless otherwise instructed the Contractor shall insure the Works and keep them insured until the virtual completion of the contract against loss or damage by fire and/or earthquake, flood etc.
- viii. The Contractor shall maintain Contractors' all risks insurance policy covering loss, damage, theft, burglary etc. of all materials and equipment, temporary Works and the Work shall be insured for a total sum equal to the value of all such items plus 10% of such value.

Provided always that all the insurance under the contract documents shall be arranged by the Contractor from a first class insurance company having a branch near the site who can

deal with all matters pertaining to the subject, the insurance must be placed with a company approved by the Bank, in the joint names of the Bank and the Contractor for such amount and for any further sum if called to do so by the Bank, the premium of such further sum being allowed to the Contractor as an authorized extra.

16. The Contractor shall deposit the policy and receipt for premiums paid with the Bank within 21 (twenty-one) days from the date of issue of Work order unless otherwise instructed. In default of the Contractor insuring as provided above, the Bank on his behalf may so insure and may deduct the premiums paid from any money due, or which may become due to the Contractor. The Contractor shall as soon as the claim under the policy is settled or the Work reinstated by the Insurance Company should they elect to do so, proceed with due diligence with the completion of the Works in the same manner as though the insured risk/contingency has not occurred and in all respects under the conditions of the contract. The Contractor in case of rebinding or reinstatement after the occurrence of the insured risk/contingency shall be entitled to such extension of time for completion as the Bank may deem fit.
- 16.1 Such insurance shall continue during the whole of the time of continuance of Work and/or during such time that any persons are employed by him on the Works and shall when required produce before the Bank or the consultant, such policy of insurance and the receipt for payment of the earlier premium and the current premium.
- 16.2 The insurance shall be effective in such manner that the Bank is indemnified under the policy. In the event of the sub-contractor having effected an insurance against accident etc. to the workmen the Contractor shall require such sub-contractor to produce to the Bank / consultant when required, such policy of insurance and the receipt for the payment of the current premium, then in that event insurance under clause (vii) hereof by the Contractor shall not be necessary.
- 17 The Contractor shall provide for adequate cover to the Bank as per the provisions of Workmen Compensation Act.
- 18 The Contractor shall make available the insurance cover note before the commencement of the Work and shall notify any change in the nature or extent of the Work and also make available additional insurance of Works if required in special circumstances.

19 DEFECTS LIABILITY

- 19.1 Any defects, shrinkages or other faults which shall appear within the Defects Liability Period of 12 months from the date of handing over the works and which are due to materials or workmanship not in accordance with this contract or on account of failure on the part of the Contractor to comply with any of his obligations expressed or implied shall be specified by the consultant in a schedule of defects which he shall deliver to the Contractor not later than 14 days after the expiration of the Defects Liability Period, and within a reasonable time after receipt of such schedule the defects, shrinkages and other faults therein specified shall be made good by the Contractor and (unless the consultant shall otherwise instruct, in which case the contract sum shall be adjusted accordingly) entirely at his own cost.
- 19.2 The Contractor shall make good at his own costs and to the satisfaction of the consultant, all defects, shrinkages or small faults arising in the opinion of the Bank from Work or materials not being in accordance with the drawings or specifications or schedule of quantities or the instructions of the Bank, which may appear within the **"Defects Liability Period of 12 months from the date of handing over completed site"** referred to in the Appendix to

General Conditions. All defects, shrinkages or small faults arising from any other cause not attributable to the Contractor shall be rectified by the Contractor as an additional work.

- 19.3 In the event of failure of the Contractor to carry out any such work to the satisfaction of the Bank, the Bank shall be entitled to carry out the same at the Contractor's costs and all expenses consequential and incidental thereto shall be deducted by the Bank from any payment due or to become due to the Contractor.
- 19.4 When in the opinion of the Bank any defects, shrinkages or other faults which he may have required to be made good under sub-clause (1) and (2) of this condition shall have been made good he shall issue a certificate to that effect, and completion of making good defects shall be deemed for all the purposes of this contract to have taken place on the day named in such certificate.

20 STATUTORY OBLIGATIONS, NOTICES, FEES AND CHARGES

The Contractor shall comply with and give all notices required by any Act of Parliament, any instrument rule or order made under any Act of Parliament, or any regulation or byelaw of any local authority or of any statutory undertaker which has any jurisdiction with regard to the Works or with whose systems the same are or will be connected. The Contractor before making any variation from the contract drawings or the contract bills necessitated by such compliance shall give to the Bank a written notice specifying and giving the reason for such variation and the bank may issue instructions in regard thereto. If within 7 days of having given the said written notice the Contractor does not receive any instructions in regard to the matters therein specified, he shall proceed with the Work confirming to the Act of Parliament, instrument, rule, order, regulation or byelaw in question and any variation thereby necessitated shall be deemed to be a variation required by the Bank.

21 MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS

- 21.1 All the Works specified and provided for in the specifications or which may be required to be done in order to perform and complete any part thereof shall be executed in the best and most workmanlike manner with materials of the best and approved quality of the respective kinds in accordance with the particulars contained in and implied by the specifications and as represented by the drawings or according to such other additional particulars, and instructions as may from time to time be given by the Bank during the execution of the Work, and to his entire satisfaction.
- 21.2 If required by the Bank the Contractor shall have to carry out tests on materials and workmanship in approved materials testing laboratories or as prescribed by the Bank at his own cost to prove that the materials etc., under test conform to the relevant I.S. Standards or as specified in the specifications. The necessary charges for preparation of mould (in case of concrete cube) transporting, testing etc., shall have to be borne by the Contractor. No extra payment on this account should in any case be entertained.
- 21.3 In case contractor is delaying or refusing or avoiding testing of material, the Bank shall arrange for carrying out testing of material and the necessary expenditure in carrying out the testing, transportation and incidental expenses shall be recovered from the contractor.
- 22 All the materials (except where otherwise described) stores and equipment required for the full performance of the Work under the contract must be provided through normal channels and must include charge for import duties, sales tax, octroi and other charges and must be the best of their kind available and the Contractor/s must be entirely responsible for the

proper and efficient carrying out of the Work. The Work must be done in the best workmanship. Samples of all materials to be used must be submitted to the Bank when so directed by the Bank and written approval from Bank must be obtained prior to placement of order.

- 23 During the inclement weather the Contractor shall suspend concreting and plastering for such time as the Bank may direct and shall protect from injury all Work when in course of execution. Any damage (during constructions) to any part of the Work for any reason due to rain, storm or neglect of Contractor shall be rectified by the Contractor in an approved manner at no extra cost.
- 24 If the Work be suspended by reason of rain, strike, lock-outs or any other cause, the Contractor shall take all precautions necessary for the protection of Work and at his own expenses shall make good any damage arising from any of these causes.
- 25 The Contractor shall cover up and protect from damage from any cause, all new Work and supply all temporary doors, protection to windows, and any other requisite protection for the execution of the Work whether by himself or special tradesmen or sub-contractor and any damage caused must be made good by the Contractor at his own expenses.

26 SUBSTITUTION

Should the Contractor desire to substitute any materials and workmanship, he/they must obtain the approval of the Bank in writing for any such substitution well in advance. Materials designated in this specification indefinitely by such term as "Equal" or "Other approved" etc. specific approval of the Bank has to be obtained in writing. The term equivalent means, if material specified is not available, then after satisfying to the fact, the Bank may give other material to be used which will be subject to adjustment in purchase prices.

27 INSPECTION OF WORKS

- 27.1 All materials and workmanship shall be subject to inspection, examination and test at any and all times during manufacture and/or construction. The Bank may issue instructions requiring the Contractor to open up for inspection any Work covered up or to arrange for or carry out any test at any and all times.
- 27.2 The Bank shall have the right to reject the defective material and workmanship or require its correction.
- 27.3 The test of any materials or goods (whether or not already incorporated in the Works) or of any executed Work, and the cost of such opening up or testing (together with the cost of making good in consequence thereof) shall be added to the contract sum unless provided for in the contract bills or unless the inspection or test shows that the Work, materials or goods are not in accordance with this contract.
- 27.4 The Bank may issue instructions in regard to the removal from the site of any Work, materials or goods, which are not in accordance with this contract.
- 27.5 The Bank may (but not unreasonably) issue instructions requiring the dismissal from the Works of any person employed thereon.
- 27.6 On the failure of the Contractor to comply with any of the Bank's instructions the Bank may proceed to replace or correct such material/workmanship entirely at the cost of the Contractor.

28 **REMOVAL OF IMPROPER WORK**

The Bank shall during the progress of the Work have power to order in writing from time to time the removal from the Work within such reasonable time or times as may be specified in the order of any materials which in the opinion of the Bank are not in accordance with specification or instructions, the substitution or proper re-execution of any Work executed with materials or workmanships not in accordance with the drawings and specifications or instructions. In case the Contractor refuses to comply with the order the Bank shall have the power to employ and pay other agencies to carry out the Work and all expenses consequent thereon or incidental thereto as certified by the Bank shall be borne by the Contractor or may be deducted from any money due to or that may become due to the Contractor. No certificate which may be given by the Bank shall relieve the Contractor from his liability in respect of unsound Work or bad materials.

30. **PROTECTIVE MEASURES**

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

30.2.1 Contractor shall indemnify the Bank against any possible damage to the building, roads, or members of the public in course of execution of the work.

29 3 The contractor shall provide necessary temporary enclosures etc. for the protection of the work and materials and for altering and adopting the same as may be required and removing on completion of the works and making good all works disturbed.

30 **NOTICE AND PATENTS OF APPROPRIATE AUTHORITY AND OWNERS.**

30.1 The Contractor shall conform to the provisions of any Acts of the Legislature relating to the Work, and to the Regulations and Bye-laws of authorities, and/or any water, lighting and other companies, and/or authorities with whose systems the structures were proposed to have connection and shall before making any variations from the drawings or specification that maybe associated to so conform, give the Bank written notices, specifying the variations proposed to be made and the reasons for have making them and apply for instruction thereon. The Bank on receipt of such intimation, shall give a decision within a reasonable time.

30.2 The Contractor/s shall arrange to give all notices required for by the said Acts, Regulations or Bye-laws to be given to any authority, and to pay to such authority or to any public officer all fees that may be properly chargeable in respect of the Work and lodge the receipts due with the Bank.

31 **ASSIGNMENT AND SUB-LETTING**

31.1 The whole of the Works included in the contract shall be executed by the Contractor and the Contractor shall not directly or indirectly transfer, assign or underlet the contract or any part, share or interest therein nor, shall take a new partner, without written consent of the Bank and no subletting shall relieve the Contractor from the full and entire responsibility of the contract or from active superintendence of the Work during their progress.

31.2 The Contractor shall not assign the Contract or any benefit or interest therein or thereunder, otherwise than by a charge in favour of the Contractor's bankers of any money due or to become due under this Contract, without the prior written consent of the Bank.

31.3 The Contractor shall not sub-let the whole of the Works except where otherwise provided by the contract, the Contractor shall not sublet any part of the Works without the prior written consent of the Bank, which shall not be unreasonably withheld, and such consent, if given shall not relive the Contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any sub-contractor, his agents, servants or workmen as fully as if they were the acts, defaults or neglects of the Contractor, his agents, servants or workmen. Provided always that the provision of labour on a piecework basis shall not be deemed to be a subletting under this clause. The Contractor shall co-ordinate and shall be responsible for all aspects of his sub-contractor(s) without being relieved of any of his obligation under the contract.

32.If, at any time during the execution of the Works, the Bank shall require the Contractor to make boreholes or to carry out exploratory excavation, such requirement shall be ordered in writing and shall be deemed to be an addition ordered under the provisions of the General Conditions unless a provisional sum in respect of such anticipated Work shall have been included in the Bill of Quantities.

33.The Contractor shall in connection with the Works provide and maintain at his own costs all lights, guards, fencing and watching when and where necessary or required by the Consultant / Engineer or the Bank, or by any duly constituted authority, for the execution and for the protection of the Works, and/or for the safety and convenience of the public / others.

34.The Contractor shall, in accordance with the requirements of the Bank, afford all responsible opportunities for carrying out their Work to any other Contractors employed by the Bank and their workmen and to the workmen of the Bank and of any other duly constituted authorities who may be employed in the execution on or near the Site of any Work not included in the contract or of any contract with the Bank may enter into in connection with or ancillary to the Works. The Contractor will not be paid any compensation on this account.

35.Shall keep the Site reasonably free from unnecessary store of constructional plant and machinery, wreckage and rubbish during progress of Works and on completion leave the whole site clean and in a workmanlike condition to the satisfaction of the Bank.

36. Default of Contractor

36.1 If the Contractor

- i. being a company presents a petition for winding up and/or goes into liquidation (other than a voluntary liquidation for the purposes of amalgamation or reconstruction) or
- ii. shall make an assignment or a composition for the benefit of the greater part, in number of amounts of his creditors or shall enter into a Deed or arrangement with his creditors, or
- iii. if a Receiver of the Contractor's firm appointed by the court shall be unable, within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the Bank that he is able to carry out and fulfill the contract, and if so required by the Bank to give reasonable security therefor, or
- iv. if the Contractor shall suffer execution to be issued, or

- v. shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the Contractor, or
- vi. shall assign, charge or encumber this contract or any payments due or which may become due to the Contractor without the consent in writing of the Bank first obtained, thereunder, or
- vii. shall agree to carry out the contract under a committee of inspections of his creditors, or
- viii. shall have an execution levied on his goods, or
- ix. shall use improper materials or workmanship in carrying on the Works, or
- x. shall in the opinion of the Bank not exercise such due diligence and make such due progress as would enable the Work to be completed within due time agreed upon, and
- xi. the Bank certifies in writing that the Contractor has failed to commence the Works or failed to proceed with the Works after the suspension order when so called upon by the Bank, or
- xii. shall abandon the contract,
- xiii. without reasonable excuse has failed to commence the Works or have suspended the progress of Works for 28 days after receiving from the Bank written notice to proceed on
- xiv. has failed to remove materials from the site or to pull down or replace for 28 days after receiving from the Bank written notice that the said materials or Work has been condemned and rejected by the Bank under these conditions or
- xv. despite previous writings by the bank in writing has failed to execute Works in accordance with the contract, or is persistently or flagrantly neglecting to carry out his obligations under the contract or as to the detriment of good workmanship or in defiance of the Bank instructions to the contrary, sublet any part of the contract then and in any of the said cases the Bank may notwithstanding previous waiver
 - a) Determine the contract by after giving 14 days' notice in writing to the effect as hereinafter mentioned, but without thereby affecting the powers of the Bank or the obligations and liabilities of the Contractor the whole of which shall continue in force as fully as if the contract, had not been so determined and as if the Works subsequently executed had been executed by or on behalf of the Contractor (without thereby creating any trust in favour of the Contractor)
 - b) further the Bank or his agent, or its officials, may enter upon the Site and take possession of the Work and all Constructional Plant, amenities, unused materials, tools, scaffolding, sheds, machinery, steam and other power, utensils and materials lying upon premises or the adjoining lands or roads reserved for the execution of the Works and
 - sell the same as his own property or
 - may employ the same by means of his own officials and workmen in carrying on and completing the Works or
 - by employing any other Contractors or other persons or person to complete the Works, and the Contractor shall not in any way interrupt or do any act, matter of thing to prevent or

hinder such other Contractors or other persons or person employed from completing and finishing or using the materials and plants for the Works when the Works shall be completed, or as soon thereafter as conveniently may be, the Bank shall give notice in writing to the Contractor to remove his surplus materials and plants and should the Contractor fail to do so within a period of 14 days after receipt by him the Bank may sell the same by Public Auction and shall give credit to the Contractor for the amount so realized.

- 36.1. Any expenses or losses incurred by the Bank in getting the Works carried out by other Contractors shall be adjusted against the amount payable to the Contractor by way of selling his tools and plants or due on account of Work carried out by the Contractor prior to engaging other Contractors or against the Security Deposit.
- 36.2. Upon such entry and expulsion by the Bank, Bank may adopt an appropriate mode at his discretion and certify the amounts, if any, that had at the time of such entry and expulsion reasonably been earned in respect of the work actually done by him and the value of any unused or partially used materials, any Constructional Plant and any amenities brought into existence exclusively for execution of the Works.
- 36.3. If the Bank shall enter and expel [the Contractor] under this Clause, he shall not be liable to pay to the Contractor any money on account of the Contract, until the expiration of the Defects Liability Period and thereafter until the costs of execution, damages for delay in completion, if any, and all other expenses incurred by the Bank have been ascertained and the amount thereof certified by the Bank. The Contractor shall then be entitled to receive only such sum or sums, if any, as the Bank may certify would have been payable to him upon due completion by him after deducting the said amount. If such amount shall exceed the sum which would have been payable to the Contractor on due completion by him, then the Contractor shall, upon demand, pay to the Bank the amount of such excess and it shall be deemed a "debt due" by the contractor to the Bank and shall be recoverable accordingly.

37. DEFAULT OF THE BANK

37.1 The Contractor may, if -

- a. The Bank does not pay to the Contractor the amount due on any certificate within six weeks from the receipt of Certificate named in the appendix to these conditions and continues such default for 7 days after receipt by registered post or recorded delivery of a notice from the Contractor stating that notice of determination under this condition will be served if payment is not made within 7 days from receipt thereof; or
- b. The Bank interferes with or obstructs the issue of any certificate due under this contract; or
- c. The carrying out of the whole or substantially the whole of the uncompleted Works is suspended by the Bank for a continuous period of 90 days;
- d. The Bank becomes bankrupt or makes a composition or arrangement with his creditors or has a winding up order or (except for the purposes of reconstruction) a resolution for voluntary winding up passed or a receiver or manager of his business or undertaking is duly appointed, or possession is taken by or on behalf of the holders of any debentures secured by a floating charge, of any property comprised in or subject to the floating charge,
- e. if the Bank gives a formal notice of his inability to meet his contractual obligations after giving 14 days prior written notice by registered post or recorded delivery to the Bank

terminate the employment of the Contractor PROVIDED that such notice shall not be given unreasonably or vexatiously.

37.2. Upon the expiry of 14 days' notice referred to herein, the Contractor shall with all reasonable dispatch remove from the site all constructional plant brought by him thereon.

37.3. Upon such determination, without prejudice to the accrued rights or remedies of either party or to any liability which may accrue either before the Contractor or any sub-contractors shall have removed his temporary buildings, plant, tools, equipment, goods or materials or by reason of his or their so removing the same, the respective rights and liabilities of the Contractor and the Bank shall be as follows, that is to say:

a. The Contractor shall with all reasonable dispatch and in such manner and with such precautions as will prevent injury, death or damage of the classes in respect of which before the date of determination he was liable to indemnify the Bank remove from the site all his temporary buildings, plant, tools, equipment, goods and materials and shall give facilities for his sub-contractors to do the same;

b. After taking into account amounts previously paid under this contract the Contractor shall be paid by the Bank for;

- The total value of Work completed at the date of determination;
- The total value of Work begun and executed but not completed at the date of determination, the value being ascertained if such Work were a variation required by the Bank
- The cost of materials or goods properly ordered for the Works for which the Contractor shall have paid or for which the Contractor is legally bound to pay, and on such payment by the Bank any materials or goods so paid for shall become property of the Bank;
- The reasonable cost of removal under paragraph (a) of this sub-clause.
- And in addition the amounts payable in respect of any preliminary item, so far as the work or service comprised therein has been carried out or performed and a proper proportion as certified by the Consultant / Engineer of any such item, work or service comprised in which has been partially carried out or performed.
- A sum certified by the Bank being the amount of any expenditure reasonably incurred by the Contractor in the expectation of completing the whole of the Works in so far as such expenditure shall not have been covered by the payments made under this clause.
- The reasonable costs of repatriation of all the Contractor's staff and workmen, employed on or in connection with the Works at the time of such termination.

Provided always that against any payment due from the Bank under this sub-clause, the Bank shall be entitled to be credited with any outstanding balances due from the Contractor for advances in respect of constructional plant and materials and any other sums which at the date of termination were recoverable by the Bank from the Contractor under the terms of the Contract. The Bank shall also return all Bank Guarantees and Retention after proper accounts have been settled between the Contractor and the Bank.

Provided that in addition to all other remedies the Contractor upon such determination take possession of and shall have a lien upon all unfixed goods and materials, which may

have become the property of the Bank until payment of all monies due to the Contractor from the Bank.

37.4. If a war or other circumstances outside the control of both the parties, arises after the Contract is made, so that either party is prevented from fulfilling his contractual obligations, or under the law governing the Contract, the parties are released from further performance, then the sum payable by the Bank to the Contractor in respect of the Work executed shall be the same as that which would have been payable as if the Contract had been terminated hereof. Performance of obligations becoming more onerous shall not be consider as a cause for "Frustration".

38. NOTICES

- a. All certificates, notices or written orders to be given by the Bank to the Contractor under the terms of the Contract shall be served by sending by registered post or by Courier or delivering the same to the Contractor's principal place of business, or such other address as the Contractor shall nominate for this purpose or email.
- b. All notices to be given to the Bank under the terms of the Contract shall be served by sending by registered post or by Courier or delivering the same to the respective addresses nominated for that purpose.
- c. Either party may change a nominated address to another address in the country where the Works are being executed by prior written notice to the other party and the Consultant / Engineer may do so by prior written notice to both parties.

39. ARBITRATION

- 39.1. Wherever, in any of the documents forming part of the Contract, the Bank's General Manager, SSD has been vested with the final powers, his decision, opinion, certificate or any other discretion shall be final conclusive and binding on the parties and shall be without appeal. All other matters shall be subject to the right of arbitration.
- 39.2. All disputes or differences of any kind whatsoever save and except matters referred to in clause 1) arising out of or in connection with the Contract, whether during the progress of Work or after Completion and shall after written notice by either party to the contract to the other of them and to the Bank hereinafter mentioned be referred for adjudication to two Arbitrator, one each to be nominated by the Contractor and the Bank, who shall thereafter appoint an Umpire. The provisions of Indian Arbitration and Conciliation Act 1996 shall apply for the purposes.
- 39.3. The Work under the Contract shall, however, continue during the arbitration proceedings and no payment due or payable to the Contractor shall be withheld on account of such proceedings.
- 39.4. The Arbitrator shall be deemed to have entered on the reference on the date he issued notice to both the parties fixing the date of the first hearing.
- 39.5. The Arbitrator may from time to time, with the consent of the parties, enlarge the time for making and publishing the award.
- 39.6. 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.

- 39.7. The fees, if any, of the Arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award including the fees, if any, of the Arbitrator who may direct to and by whom and in what manner, such costs or any part thereof shall be paid and may fix or settle and amount of costs to be so paid.
- 39.8. The award of the Arbitrator shall be final and binding on both the parties.
- 39.9. Subject to aforesaid the provisions of the Arbitration & Conciliation Act 1996 or any statutory modification or re-enactment thereof and the rules made thereunder, and for the time being in force, shall apply to the arbitration proceeding under this clause.
- 39.10. The Bank and the Contractor hereby also agree that arbitration under clause shall be a condition precedent to any right to action under the contract with regard to the matters hereby expressly agreed to be so referred to arbitration.
- 39.11. Jurisdiction: All matters arising out of or in any way connected with this contract shall be deemed to have arisen in GHAZIPUR and only the courts in GHAZIPUR shall have jurisdiction 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

GENERAL INSTRUCTIONS TO CONTRACTORS
AND SPECIAL CONDITIONS

- 1) Canvassing in connection with quotations is strictly prohibited and the quotations submitted by the contractors who resort to canvassing will be liable to rejection.
- 2) The tender Form must be filled in English and all entries must be made by the hand and written in ink, if any of the documents is missing, or unsigned, the tender may be considered invalid by the Bank in its discretion.
- 3) The contractor shall not assign the contract. He shall not sub-let any portion of the contract except with the written consent of the Bank. In case of breach of these conditions, the Bank may serve a notice in writing on the contractor rescinding the contract whereupon the Security Deposit shall stand forfeited to the Bank, without prejudice to his other remedies against the contractor. Central Govt. / State Govt. organization will not be allowed to sublet the work on back to back basis.
- 4) The contractor shall carry out of all the work strictly in accordance with specifications, terms of contract and instructions of the Bank.
- 5) A Schedule of probable quantities in respect of each work and specifications accompany these special conditions. The Schedule of probable quantities is liable to alteration by omission, deductions or additions at the discretion of the Bank. No claim will be entertained from the contractor on account of loss of profit over revising the tender rates.
- 6) The Bidder must obtain for himself on his own responsibility and at his own expenses all the information which may be necessary for the purpose of filling of tender and for entering into a contract and must inspect the site of the work and acquaint himself with all local conditions, means of access to the work, nature of the work and all matters pertaining thereto. No compensation will be paid on account of not getting proper information.
- 7) The rates quoted in the tender shall be inclusive of all charges for clearing of site before commencement as well as after completion, water, electrical consumption, meters, double-scaffolding, centering, boxing, staging, planking, timbering and pumping out water, including bailing, fencing, planking, timbering and pumping out water, including bailing, fencing, hoarding, plant and equipment, storage sheds, watching and lighting by night as well as day, including Sundays and Holidays, temporary plumbing and electric supply, protection of the public and safety of adjacent roads, streets, cellars, vaults, open pavements, walls, houses, buildings and all other erections, matters or things and the contractor shall take down and remove any or all such centering, scaffolding, staging, planking, timbering, strutting, shoring, etc. as occasion shall require or when ordered so to do, and fully reinstate and make good all matters and things disturbed during the execution of the work and to the satisfaction of the Bank / Consultant.
- 8) The successful Bidder is bound to carry out any items of work necessary for the completion of the job even though such items are not included in the quantities and rates.

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- 9) The successful Bidder must co-operate with the other contractors appointed by the Employer so that the work shall proceed smoothly with the least possible delay and to the satisfaction of the Bank.
- 10) The contractor must bear in mind that all the work shall be carried out strictly in accordance with the specifications and also in compliance of the requirements of the Authorities concerned and no deviation on any account will be permitted.
- 11) The Contractor shall strictly comply with provision of safety code annexed hereto.
- 12) The contractor shall indemnify Union Bank of India, against any claim or legal action arising out of the said Act due to the failure of non-compliance of the provisions of the said Act and the penalty or any other amount levied by the authorities, shall be recoverable from the payments due to the contractors.
- 13) The Contractor shall comply with the provision of the Apprentices Act,1961, and the Rules and Orders issued there under from time to time. Failure to do so will be in a breach of the contract and the Bank may in their discretion cancel the contract. The contractor shall also be liable for any pecuniary or other liabilities arising on account of any violation by him of the provisions of the Act.
- 14) The contractor shall be responsible for the observance of all Central Rules and Regulation framed by the Central Government under the Contract Labour (Regulation and Abolition) Act,1970. The Bank shall be entitled to deduct all damages, which it might suffer on account of non-observance of these rules by the Contractor, from the amount payable to the Contractor.
- 15) Contractors are not allowed to remove materials brought at Site against which advances have been paid.
- 16) The Contractor is to provide at all times during the progress of the work and the maintenance period / defect liability period proper means of access, with ladders, gangways, etc., and the necessary attendance to move and adopt as directed for the inspection or measurement of the works by the Bank or their representatives.
- 17) Materials shall be of approved quality and the best of their kind available and shall generally conform to I.S. Specifications. The Contractor shall order all the materials required for the execution of work as early as necessary and ensure that such materials are on site well ahead of requirement for use in the work. The work involved calls for approved standard of workmanship combined with speed and to the entire satisfaction of the Architect/ consultant. All the material shall be approved by the Consultant / Bank before use. Contractor to arrange samples well in time.
- 18) The Contractors shall after completion of the work clear the Site of all debris and left-over materials at his own expenses to the entire satisfaction of the Bank and Municipal or other public authorities.
- 19) The contractor herewith agrees that in respect of inspection of works by the Chief Technical Examiner of the works, a wing of Central Vigilance Commission and the

SIGNATURE & STAMP OF BIDDER

bills of the contractor including all supporting vouchers, abstract etc. to be made after payment of the bills and if as a result of such audit and technical examination any sum is found to have been over paid in respect of any work done by the contractor under the contract of any work claimed by him to have been done by him under the contract and found not to have been executed or any work is found not to have been executed in accordance with the contract, the contractor shall be liable to refund the amount of over payment made already and it shall be lawful for the bank to recover the same from him in any manner the bank deems fit either from any payments due and / or becoming due to the contractor or from the security deposit or retention money or through any further bills and / or final bill or in any other manner whatsoever not excluding through recourse to legal action. The certification of bills / measurements by consultant / Architect and Engineer will be scrutinized by the Bank's Central Office / Audit / Vigilance and any deficiency will be corrected accordingly. Contractor cannot insist for payment just because it is signed by consultant / architect / engineer. The contractor herewith agrees to co-operate with the Bank / Consultant while such examinations of works and redo the things without any extra cost to the Bank. It is essential and agreed condition of the contract that any such action taken by the bank shall deemed to be the fully legal and valid and binding on the contractor.

- 20) Contractors are requested to note that no extra item or deviated item of work to be executed without taking prior permission, the Bank shall not be held responsible for the payment of such works executed. Contractors will have to submit all the particulars including purchase bills/price list for the materials along with the rate analysis for verification of Percentage Rates.
- 21) If contractors fail to pay the taxes/royalties to the Authorities concerned, the bank reserve their rights to recover the said amount from the amount payable to the contractor and pay the same to the Authorities concerned.
- 22) After awarding the work, contractor shall get registered with the office of the Labour commissioner, as per stipulated criteria and inform Bank accordingly. Contractors shall follow all rules and regulations stipulated by the Labour Commissioner strictly.
- 23) Contractors shall quote consistent rates for the items of similar nature or analogous in specifications for the sections in schedule of quantities. If it is observed that the rates quoted for similar nature of items or analogous in specification under different sections, are inconsistent, then the Bank reserves his right to consider the lowest of rates for all such items and work out the final amount for payment, unless the competent authority finds that there is justifications for such inconsistent rates.
- 24) The contractor shall give a list of his relatives working with the bank along with their designations and addresses.
- 25) No employee of the bank is allowed to work as a contractor for a period of two years of his retirement from bank service, without the previous permission of the bank. The contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission of the bank as aforesaid before submission of the tender or engagement in the contractor's service.

CONDITIONS HEREIN BEFORE REFERRED TO

1. Definition of terms / interpretation:

In construction these conditions, the specification schedule of quantities and contract agreement, the following words shall have the meanings herein assigned to them except where the subject or context otherwise requires.

- a. "Employer/ / owner / Bank" shall mean" Union Bank of India, Government of India undertaking" having Central Office at 239, Vidhan Bhawan Marg, Nariman Point, Mumbai - 400 0021 and any of its employees' representatives authorized on their behalf.
- b. "Site" shall mean "Workplace located at RSETI, Police Line Chauraha, Ghazipur City, Ghazipur UP 233001 to include any building and erections thereon and any other land (inclusively), as aforesaid, allotted by the Bank for the contractor's use.
- c. "The works" shall mean the work or works to be executed or done under this contract.
- d. "This Contract" shall mean Articles of Agreement, the special conditions, the general conditions of contract, the appendix, the schedule of quantities and specifications, attached hereto and duly signed.
- e. "Notice in writing" or written notice shall mean a notice in written, typed or printed characters sent (unless delivered personally or otherwise proved to have been received), by registered post to the last known private or business address or registered office of the addressee and shall be deemed to have been received when in the ordinary course of post, it would have been delivered.
- f. "Act of Insolvency" shall mean any Act of Insolvency as defined by the Presidency Towns Insolvency Act, or the Provincial Insolvency Act or any amending such original.
- g. "The Schedule of Quantities" shall mean the schedule of quantities as specified and forming part of this contract.
- h. "Priced Scheduled of Quantities" shall mean the schedule of quantities duly priced with the accepted quoted rates of the contractor.
- i. "Net Prices" If in arriving at the contract amount, the contractor shall have added to or deducted from the total of the items in the tender any sum either as a percentage or otherwise, then the net price of any item in the tender shall be the sum arrived at by adding to or deducting from the actual figure appearing in the tender as the price of that item a similar percentage or proportion of the sum so added or deducted of the sum so added or deducted by the contractor the amount of any Prime Cost items and provisional sums of money shall be deducted from the total amount of the Quotation. The expression "net rates" or "net prices" when used with reference to the contract or accounts shall be held to mean rates or prices so arrived at.

2. SCOPE OF WORK:

The work consists of Repair, Renovation and finishing works as detailed in tender.

3. CONTRACTOR'S RESPONSIBILITY

The Contractor shall carry out and complete the said work in every respect in accordance with this contract and with the directions of and to the satisfaction of Bank. The Bank from time to time issue written instruction, details directions and explanations which are hereafter collectively referred to as "Bank's Instruction".

In regard to:-

- a. The variations or modifications of the design, quality or quantity of works or the additions or omission or substitution of any work.
- b. Any discrepancy in the schedule of quantities and/ or specification.
- c. The removal from the site of any defective materials brought thereon by the contractor and the substitution of any other materials thereof.
- d. The removal and/or re-execution of any works executed by the contractor.
- e. The dismissal from the works of any person employed thereupon.
- f. The opening up for inspections of any work covered up.

The contractor shall forthwith comply with and duly execute any work comprised in such Bank instructions, provided always that the verbal instructions, directions, and explanations given to the contractor or his representative upon the works by the Bank shall, if involving a variation, be confirmed in writing by the contractor within seven days, and if not dissented from in writing within a further seven days, such shall be deemed to be Consultant /Bank instructions within the scope of the Contract.

4. VISIT TO SITE

The contractor shall visit the site and make himself thoroughly acquainted with the local site condition, nature and requirements of the works, facilities of transport condition, effective labour and materials, access and storage for materials and removal of rubbish. The bidder shall provide in their tender for cost of carriage, freight and other charges as also for any special difficulties and including police restriction for transport, etc. for proper execution of work. The successful bidder will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Bank or Consultant might be deemed to have reasonably been inferred to be so existing before commencement of work.

5. AGREEMENT

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

6. PERMITS AND LICENSES

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Permits and licenses for release of materials which are under Government control will be arranged by the contractor. The Bank will render necessary assistance, sign any forms or applications that may be necessary.

The contractor shall at his own cost arrange for storage shed adequate for taking delivery and storing of the quantity of controlled materials released by the authorities or supplied by the Bank. The costs of storing, transporting, etc. of all materials including those under Government control are to be included by the bidder in his quoted rates.

The Bank / Consultant shall be indemnified against all Government or legal actions for theft or misuse of any controlled materials in the custody of the contractor.

7. GOVERNMENT AND LOCAL RULES

The contractor shall conform to the provisions of all local Bye-laws and Acts relating to the work and to the Regulations etc. of the Government and Local Authorities and of any company with whose system the structure is proposed to be connected. The contractor shall give all notices required by said Act, Rules, Regulations and Bye-laws, etc. and pay all fees payable to such authority / authorities for execution of the work involved. The cost, if any, shall be deemed to have been included in his quoted rates, taking into account all liabilities for license, fees for footpath encroachment and restorations etc. and shall indemnify the Bank against such liabilities and shall defend all actions arising from such claims or liabilities.

8. QUANTITY OF WORK TO BE EXECUTED

The quantities shown in the schedule of quantities are intended to cover the entire premises but the Bank reserves the right to execute only a part or the whole or any excess thereof without assigning any reason therefore. The quantity may vary to any extent and even the same will be omitted. No separate payment / compensation / revision in the rates will be entertained.

09. CONTRACTOR TO PROVIDE EVERYTHING NECESSARY:

The contractor shall provide everything necessary for the proper execution of the works according to the Schedule of quantities and Specification taken together.

- (i) The rates quoted against individual items will be inclusive of everything necessary to complete the said items work within the contemplation of the contract, and beyond the unit price no extra payment will be allowed for incidental or contingent work, labour and /or materials inclusive of all taxes and duties whatsoever except for specific items, if any, stipulated in the tender documents.
- (ii) The contractor shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machineries and equipments and all the necessary centering, scaffolding, staging, planking, timbering, strutting, shoring, pumping, fencing, boarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the said work but also for the protection of the public and safety of any adjacent roads, streets, walls, houses,

buildings, all other erections, matters and things and the contractor shall take down and remove any or all such centering, scaffolding, plumbing, timbering, strutting, shoring etc., as occasion shall be required or when ordered so to do, and shall fully reinstate and make good all matters and things disturbed during the execution or when ordered so to do, and shall fully reinstate and make good all matters and things disturbed during the execution of works to the satisfaction of the Bank / Consultant.

10. DEPLOYMENT OF LABOURS

No labourer below the age of eighteen years shall be employed on the work.

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

11. FACILITIES TO BE PROVIDED TO WORKERS

The contractor shall comply at his own cost with the order of requirement of any Health Officer of the State or any local authority or of the Bank regarding the maintenance of proper environmental sanitation of the area where the contractor's labourers are housed or accommodated, for the prevention of small pox, cholera, plague, typhoid, malaria and other contagious diseases. The contractor shall provide, maintain and keep in good sanitary condition adequate sanitary accommodation and provide facilities for pure drinking water at all times for the use of men engaged on the works and shall remove and clear away the same on completion of the works. Adequate precautions shall be taken by the contractor to prevent nuisance of any kind on the works or the lands adjoining the same.

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

12. DISMISSAL OF WORKMEN

The contractor shall at the request of the Bank immediately dismiss from the works, any person employed thereon by him who may in the opinion of the Bank incompetent or misconduct himself and such person shall not be engaged again. Such discharges shall not be the basis of any claim for compensation or damages against the Bank or any of their officer or employee.

13. ASSIGNMENT / SUB-LETTING

The whole of the works included in the contract shall be executed by the contractor and the contractor shall not directly or indirectly transfer, assign, or under-let the contract or any part share there of or any interest therein without the prior written consent of the Bank and no undertaking shall relieve the contractor of the full and entire responsibility of the contract or from active superintendence of works during their progress. Central Govt. / State Govt.

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companies shall not be allowed to sublet the work on back to back basis / labour basis without approval from the Bank.

14. INSURANCE

a. IN RESPECT OF DAMAGE TO PERSONS AND PROPERTY

- (i) The contractor shall be responsible for all injury to the work or to persons, animals or things, and for all damages to the structural and / or decorative part of the property which may arise from the operation or neglect of himself or of any nominated sub-contractor or any of his / sub-contractor's employee, whether such damage/ injury arises from carelessness, accident or any other cause whatsoever in any way connected in the carrying out of this contract. This clause shall be held to include inter alias, any damage to buildings, whether immediately adjacent or otherwise, and any damage to the roads, streets, foot-paths, bridge or ways as well as damage caused to the building and work forming the subject of this contract by rain, wind or other inclement of the weather. The contractor shall indemnify the Bank and hold it harmless in respect of all and any expense arising from such injury or damage to persons or property as aforesaid and also in respect of any claim made in respect of injury and damage under any Act of any Legislature or otherwise and also in respect of any award of compensation or damage consequent upon such claims.
- (ii) The contractor shall reinstate all damage of every sort mentioned in this clause, so as to deliver up the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damage to the property or third parties.
- (iii) The contractor shall indemnify the Bank against all claims which may be made against the Bank by any member of the Public or third party in respect of anything which may arise in respect of the works or in consequence thereof and shall at his own expense arrange to effect and maintain, until the virtual completion of the contract, with an approved office, a Policy of Insurance in the name of the Bank and the contractor against such risks and deposit such policies with the Bank from time to time during the currency of this contract. The contractor will also similarly indemnify the Bank of all claims which may be made upon the Bank whether under the Workmen's Compensation Act or any other statute in force during the currency of this contract or at common law in respect of any employee of the contractor or any sub-contractor and shall at his own expense effect and maintain, until the virtual completion of the contract, with an approved office, a Policy of Insurance in the joint name of the Bank and the Contractor against such risks and deposit such policy or policies with the Bank from time to time during the currency of the contract.
- (iv) The contractor shall be responsible for any liability which may be excluded from the Insurance Policies above referred to and also for all other damages to any person animal or property arising out of incidental or defective carry in out of this contract. He shall also indemnify the Bank in respect of any cost, charges or expenses arising out of claims or proceeding and also in respect of any award of composition and damages arising there from.

- (v) The Bank shall be entitled to deduct the amount of any damage, compensation, cost, charges and expenses arising from or accruing from, or in respect of, any such claims or damage from any or all sums due or to become due to the contractor without prejudice to the Bank's other rights in respect thereof.

b. FIRE INSURANCE

- (i) The Contractor shall, within fourteen days from the date of commencement of works, insure the works at his cost and keep them insured until the virtual completion of the contract, against loss or damage by fire and / or earthquake, flood with an office to be approved by the Architect in the joint name of the Bank and the Contractor (the name of the former being placed first in the policy), for the contract amount only. The Contractor shall deposit the policy and receipts for the premium with the owner within 21 days from the date of issue of work order, unless otherwise instructed by commencement of the works, unless otherwise instructed by the Architect. In default of the Contractor insuring as provided above, the Bank or the Architect on his behalf, may so insure the works and may deduct the premium paid from any money due or which may become due to the Contractor without prejudice to the other rights of the Bank in respect of such default. In case it becomes necessary to suspend the works, the Contractor shall as soon as the claim under the policy is settled, or work reinstated by the Insurance office should they elect to do so, proceed with all due diligence with the completion of the works in the same manner as though the incident had not occurred and in all respects under the same conditions of the Contract. The contractor in case of rebuilding or reinstatement after fire, shall be entitled to such extension of time for completion as the Bank / Architect deemed fit.
- (ii) The amount so due as aforesaid shall be the total value of the works duly executed and of the contract materials and goods delivered upon the site for use in works upto and including a date not more than seven days prior to the date of the said Certificate less the amount to be retained by the Employer (as hereinafter provided) and less any installments previously paid under this clause. Provided that such Certificate shall only include the value of the said materials and goods as and from time to time as they are reasonably, properly and not prematurely brought upon the site and then only if properly stored and/or protected against weather.
- c) The Contractors will have to take out following Insurance Policies:
- 1) Contractors All Risks Insurance Policy to cover-
Earthquake- Fire & Shock
Landslide/Rockslide/Subsidence.
Flood/Inundations.
Storm/Tempest/Hurricanes/Typhoon /Cyclone Collapse.
Theft/Burglary.
Damage to material brought at Site and to be subsequently used in the work.
 - 2) Third party Insurance Policy
 - a. For accidental loss or damage caused to the property of other persons.

- b. For fatal or non-fatal injury to any person other than insured own employees or work men of employees of the owner of the works any other construction work thereon, or member of the Insured's family or of any of the aforesaid; directly consequent upon of solely due to the construction of any property described in the Schedule.

3) Workmen's Compensation Insurance.

15. ACCOUNTS RECEIPTS & VOUCHERS:

The contractor shall, upon the request of the employer furnish them with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. If the contractor shall use materials less than what he is required under the contract, the value of the difference in the quantity of the material he was required to use and that he actually used shall be deducted from his dues. The decision of the Bank shall be final and binding on the contractor as to the amount of materials the contractor is required to use for any work under this contract.

16. TERMINATION OF CONTRACT BY THE BANK

If the Contractor being a individual or a Firm, commits any "act of insolvency" or shall be adjudged an Insolvent or being an Incorporate company, shall have an order for supervision of the court and the official Assignee or the Liquidator in such acts of insolvency and winding up, as the case may be, shall be unable within seven days after notice to him requiring him to do so, to show the reasonable satisfaction of the Bank that he is able to carry out and fulfill the Contract and to give security therefore, if so required by the Bank.

OR if the Contractor (whether an individual, Firm or Incorporated Company) shall suffer execution or other process of court attaching property to be issued to the Contractor.

OR shall suffer any payment under this Contract to be attached by or on behalf of any of the creditors of the Contractors.

OR shall assign or sublet this Contract without the consent in writing of the Bank first obtained.

OR shall charge or encumber this Contract or any payment due or which may become due to the Contractor hereunder.

OR the contractor:

- i. Has abandoned the Contract, or
- ii. Has failed to commence the works, or has without any lawful excuse under these conditions suspended the progress of the works for fourteen days after receiving from the Bank notice to proceed, or

- iii. Has failed to proceed with the works with such due diligence and failed to make such due progress as would enable the works to be completed within the time agreed upon, or
- iv. Has neglected or failed persistently to observe and perform all or any of the acts, matters or things by this Contract to be observed and performed by the contractor to observe or perform the same.

Then and in any of the said cases the Bank may, notwithstanding any previous waiver, after giving seven days notice in writing to the Contractor, determine the Contract but without thereby affecting the powers of the Bank or obligations and liabilities of the Contractor, the whole of which shall continue in force as fully as if the contract has not been so determined, and as if the work subsequently executed had been executed by or on behalf of the Contractor, And further, the Bank by his agent or servants may enter upon and take possession of the work and all plant, tools, scaffoldings, shed, machinery, steam and other power utensils and materials lying upon the premises or on the adjoining land or roads and use the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by the employing any other contractor or person or persons to complete the works and the contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other contractor or other person or persons employed for completing or finishing or using the materials and plant for the work. When the work shall be completed or as soon as thereafter as convenient the Architect shall give a notice to the Contractor to remove his surplus materials and plant, and should the Contractor fail to do so within the period of fourteen days after receipt thereof by him, the Bank may sell the same by public auction, and give credit to the Contractor for the net amount realized. The architect shall thereafter ascertain and certify in writing under his hand what (if anything) shall be due or payable to, or by the employer, for the value of the said plant and materials so taken possession of by the Bank and the expense or loss which the bank shall have been put to in procuring the works to be completed and the amount, if any, owing to the Contractor and the amount, which shall thereupon be paid by the Bank to the Contractor or by the Contractor to the Bank, as the case may be and the certificate of the architect shall be final and conclusive between the parties.

17. Certificates & payments: The payment shall be made after completion of work and submission of bill produced by the contractor duly verified/certified by bank's architect and any other relevant document as required by the bank.

18. BANK ENTITLED TO RECOVER COMPENSATION PAID TO WORKMEN:

The Bank is obliged, by the virtue of the provisions of the workmen's compensation Act, 1923, or any statutory modification or re-enactment thereof to pay compensation to a workman employed by the contractor in execution of the works, the Bank shall be entitled to recover from the contractor the amount of compensation so paid, and without prejudice to the rights of the bank under said Act. The Bank shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due to the contractor under this contract or otherwise. The bank shall not be bound to contest any claim made against it under the said Act, except on written request of the contractor and upon

his giving to the bank full security to the satisfaction of the Bank for all costs for which the Bank might become liable in consequence of contesting such claim.

19. ABANDONMENT OF WORKS:

If at any time after the acceptance of the Quotation, the Employer shall for any reasons whatsoever not require the whole or any part of the works to be carried out, the Bank shall give notice in writing to the contractor who shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the whole works but which did not derive in consequence of the foreclosure of the whole or part of the work.

20. RIGHT OF BANK TO TERMINATE CONTRACT IN THE EVENT OF DEATH OF CONTRACTOR IF INDIVIDUAL.

Without prejudice to any of the rights or remedies under this contract, if the contractor, being an individual dies, the Bank shall have the option of terminating the contract without incurring any liability for such termination.

SAFETY CODE

1. Scaffolds

- i. Suitable scaffolds shall be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except in the case of short duration work which can be done safely from ladders. When a ladder is used, it shall be of rigid construction made either of good quality wood or steel. The steps shall have a minimum width of 450 mm and a maximum rise of 300 mm. Suitable hand holds of good quality wood or steel shall be provided and the ladder shall be given an inclination not steeper than $\frac{1}{4}$ to 1 ($\frac{1}{4}$ horizontal and 1 vertical).
- ii. Scaffolding or staging more than 4 m. above the ground floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly bolted, braced or otherwise secured, at least 1 m. above the floor or platform of such scaffolding or staging and extending along the entire length of the outside and ends thereof with only such openings as may be necessary for the delivery of materials. Such scaffolding or staging shall be so fastened as to prevent it from swaying from the building or structure.
- iii. Working platforms, gangways and stairways shall be so constructed that they do not sag unduly or unequally and if the height of the platform, gangway or stairway is more than 4 m. above ground level or floor level, they shall be closely boarded and shall have adequate width and be suitably fenced as described in (ii) above.
- iv. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be 1 m.

Wherever there are open excavations in ground, they shall be fenced off by suitable railing and danger signals installed at night so as to prevent persons slipping into the excavations.

- v. Safe means of access shall be provided to all working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9 m. in length while the width between side rails in rung ladder shall in no case, be less than 290 mm. for ladder up to and including 3 m. in length. For longer ladders this width shall be increased at least 20 mm. for each additional meter of length.
- vi. A sketch of the ladders and scaffolds proposed to be used shall be prepared and approval of the Engineer obtained prior to construction.

2. Other Safety Measure

- vii. All personnel of the contractor working within the plant site shall be provided with safety helmets. All welders shall wear welding goggles while doing welding work and all metal workers shall be provided with safety gloves. Persons employed on metal cutting and grinding shall wear safety glasses.
- viii. Adequate precautions shall be taken to prevent danger from electrical equipment. No materials on any of the sites of work shall be so stacked or placed as to cause danger or inconvenience to any person or the public.

3. Excavation & Trenching

- ix. All trenches, 1.25 m. or more in depth shall at all times be supplied with at least one ladder for each 30 m. in length or fraction thereof. The ladder shall be extended from bottoms of the trench to at least 1 m. above the surface of the ground. Sides of trenches which are 1.5 m. or more in depth shall be stepped back to give suitable slopes or securely held by timber bracing so as to avoid the danger of sides of collapsing. The excavated materials shall not be placed within 1.5 m. of the edges of the trench or half of the depth of the trench whichever is more. Cutting shall be done from top to bottom. Under no circumstances undermining or undercutting shall be done.
- x. The contractor shall take all measure on the site of the work to protect the public from accidents and shall be bound to bear the expenses of defense of every suit, action or other proceedings at law that may be brought by any persons for injury sustained owing to neglect of the above precautions and to pay any such persons or which may with the consent of the contractor, be paid to compromise any claim by any such person.

4. Demolition

- xi. Before any demolition work is commenced and also during the process of the work:
 - a. All roads and open areas adjacent to the work site shall either be closed or suitably protected.

- b. No electric cable or apparatus which is liable to be a source of danger over a cable or apparatus used by the operator shall remain electrically charged.
- c. All practical steps shall be taken to prevent danger to persons employed from the risk of fire or explosion or flooding. No floor, roof or other part of the building shall be so overloaded with debris or materials as to render it unsafe.

5. Personal Safety Equipment

- xii. All necessary personal safety equipment as considered adequate by the Engineer should be kept available for the use of the person employed on the site and maintained in a condition suitable for immediate use, the contractor should take adequate steps to ensure proper use of equipment by those concerned.
 - a. Workers employed on mixing asphaltic materials, cement and lime mortars shall be provided with protective footwear and protective goggles.
 - b. Those engaged in white washing and mixing or stacking of cement bags or any material which is injurious to the eyes shall be provided with protective goggles.
 - c. Those engaged in welding works shall be provided with welder's protective eyesight lids.
 - d. Stone breaks shall be provided with protective goggles and protective clothing and seated at sufficiently safe intervals.
 - e. When workers are employed in sewers and manholes, which are in use, the contractor shall ensure that the manhole covers are opened and are ventilated at least for an hour before the workers are allowed to get into manholes and the manholes so opened shall be cordoned off with suitable railing and provided with warning signals or boards to prevent accident to the public.
 - f. The contractor shall not employ men below the age of 18 years and women on the work of painting with products containing lead or any toxic material in any form. Wherever men above the age 18 are employed on the work of such painting the following precautions should be taken:
 - i. No paint containing lead or lead products shall be used except in the form paste or readymade paint. Paints like vinyl and epoxies having toxic fumes should be applied after following all precautions laid down by manufactures.
 - ii. Suitable face masks should be supplied for use by the workers when paint is applied in the form of spray or a surface having lead paint dry rubbed and scrapped.
 - iii. Overalls shall be supplied by the contractor to the workmen and adequate facilities shall be provided to enable the working painters to wash during the cessation of work.
- xiii. When the work done near any public place where there is risk of drawings all necessary equipments should be provided and kept ready for use and all necessary steps taken for prompt rescue of any person in danger and adequate provision

should be made for prompt first aid treatment of all injuries likely to be sustained during the course of the work.

6. Hoisting Machines

- xiv. Use of hoisting machines and tackle including their attachments anchorage and supports shall confirm to the following standards or conditions:
 - i.a. These shall be of good mechanical constructions sound material and adequate strength and free from patent defect and shall be kept in good repair and in good working order.
 - i.b. Every rope used in hoisting or lowering materials or as means of suspension shall be of durable quality and adequate strength and free from patent defects.
 - ii. Every crane driver or hoisting appliance operator shall be properly qualified and no person under the age of 21 years shall be in charge of any hoisting including any scaffolding winch or give signals to operator.
 - iii. In case of every hoisting machine and of every chain ring hook, shackle shovel and pulley block used in hoisting or as means of suspension the safe working load shall be ascertained by adequate means. Every hoisting machine and all gear referred to above shall be plainly marked with the safe working load. In case of a hoisting machine having a variable safe working load, each safe working load and the conditions under which it is applicable shall be clearly indicated. No part of any machine or any gear referred to above in this paragraph shall be loaded beyond the safe working load except for the purpose of testing.
 - iv. In case of departmental machines, the safe working load shall be notified by the Engineer. As regards contractor's machines, the contractor shall notify the safe working load of the machine to the Engineer whenever he brings any machinery to site of work and get verified by the Engineer concerned.
- xv. Motors, gearing, transmission, electrical wiring and other dangerous parts of hoisting appliances should be provided with efficient safeguards. Hoisting appliances should be provided with such means as will reduce to the minimum of the risk of any part of a suspended load becoming accidentally displaced. When workers are employed on electrical installations which are already energized, insulating mats, wearing apparel, such as gloves, sleeves and boots as may be necessary, should be provided. The workers should not wear any rings, watches and carry keys or other materials which are good conductors of electricity.
- xvi. All scaffolds, ladders and other safety devices mentioned or described herein shall be maintained in safe condition and no scaffold, ladder or equipment shall be altered or removed while it is in use.

Adequate washing facilities should be provided at or near places of work.

- xvii. These safety provisions should be brought to the notice of all concerned by display on a notice board at a prominent place at work spot. The person responsible for compliance of the safety code shall be named therein by the contractor.

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- xviii. To ensure effective enforcement of the rules and regulations relating to safety precautions the arrangements made by the contractor shall be open to inspection by the Labour Officer, Engineer of the Department or their representatives.
- xix. Notwithstanding the above clause from (i) to (xviii), there is nothing in these to exempt the contractor from the operation of any other Act or Rule in force in India.

TECHNICAL SPECIFICATIONS

1. APPROVED BRANDS OF VARIOUS BUILDING MATERIALS:

A. Civil / Plumbing items

SR. NO.	MATERIALS	APPROVED BRANDS
1.	Cement OPC,PPC Grade 43 / 53	Ambuja/ ACC/ Ultratech
2.	White Cement	ACC (Silvicrete), JK White, Birla.
3.	U-PVC Plumbing pipes.	Supreme or Prince ISI "A" grade.
4.	C.I. Pipe	Nikko ISI or Conforming to I.S.1230 for rain water pipes & Fittings & the I.S.1729 & ISP 3889 for soil & wastewater pipes.
5.	Cement based Paint	Snowcem, Nitco paints, Berger Paints, .Asian Paints
6.	Acrylic Paint/OBD	Asian Paints, Nerolac, Dulux
7.	Premium Acrylic paint	Asian Paints, Nerolac, Dulux
8.	Semi Acrylic Paint	Asian Paints, Nerolac, Dulux
9.	Metal Redoxide Primer	Asian, Berger, Goodlac Nerolac, 'Johnson Nicholson'
10.	G.I. PIPES	TATA, Jindal, Zenith ,
11.	Sand	SILPOZE
12.	Vitrified Floor Tiles	Naveen, RAK, Kajaria, Somany
13.	Ceramic floor and wall tiles	Naveen, RAK, Kajaria, Somany
14.	Glazing	Modifloat, St. Gobain, Asahi India
15.	Gypsum Board false Ceiling.	Saint-Gobain Gyproc India Ltd. .
16.	Cabinet / Drawer Locks, Drawer slides, auto hinges, etc. Key board trays etc.	Godrej or approved Efficient Gadgets. Ebco. INNOFIT Systems.
17.	Door locks, handles etc.	Dorset, Godrej, Ozone
18.	Ply Board , Flush doors (ISI)	Green, Century, Duro, National
19.	Laminates (ISI)	1MM. thick Formica or Century
20.	BEADING	MP, Burma Teak wood , Half round, Quarter round.
21.	ALUMINIUM SECTIONS	Hindalco, JINDAL
22.	HARDWARE – CACTHERS	Magnetic
23.	HARDWARE – CHANNELS	Flyrail, EBCO, Earl Bihari
24.	ADHESIVE FOR FIXING LAMINATE	Fevicol SH, Araldite of Ciba Geigy
25.	SCREWS	IW. nettle fold, Oxidised

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26.	HANDLES	Dorma, Hafele.
27.	TILE FIXING ADHESIVE	○ Sika, Pidilite, Bal, Roff, Fosroc
28.	MARINE PLYWOOD	Century, Formica
29.	○ BWR GRADE PHENOL	
30.	BONDED PLYWOOD	Formica, Century
31.	PARTICLE BOARD	Nova, Teak Super By Indian Plywood Mfg. Co.
32.	BLOCK BOARD	Century, formica
33.	FLUSH DOORS	Century, formica, Uro, Duro
34.	FIBER BOARD (MDF, LDF)	Century, Novapan, Anchor

B. Electrical items-

SR No.	MATERIALS	APPROVED BRANDS
1.	440 V/1.10 K.V. grade PVC insulated & unsheathed / copper wire, PVC insulated and flexible cords FR & HR PVC, with ISI mark	FINOLEX / ANCHOR / HAVELS
2.	Steel conduit pipes and Accessories Black enameled	1st class as per IS.9537 Part-II, 1981 (Pipe samples to be approved) 1st class G.I. Pipe Galvanized
3.	PVC / Polythene pipes	1st class pipe (ISI Mark) (Heavy Type)
4.	G.I. Pipe	1st class pipe (ISI Mark) (Heavy Type)
5.	30A/60A DP moulded Isolating switch	ANCHOR / G.E.C. /L & T/ Havels
6.	Miniature Circuit Breaker / M.C.B. Type Isolator with factory made D.B. Board	MDS / L&T / SIEMENS / LEGRAND/Havels
7.	15 Amp. / 5 Amp. piano key type switch & Flushed type plug socket	ANCHOR / CONA
8.	Ceiling Rose / Angle Holders	ANCHOR / CONA
9.	15 Amp. / 5 Amp. / plate type (modular)	ANCHOR ROMA, HAVELS MK
10.	switches and sockets over PVC/G.I. metallic boxes	CRABTREE
11.	Exhaust Fan	G.E.C. / CROMPTON / KHAITAN/ USHA / ANCHOR / ALMONARD
12.	Compact Florescent Light	Phillips / Crompton Greeves
13.	CEILING fans	Crompton, Bajaj, Orient, Usha, Havels

The above mentioned chemicals shall be used **as per manufactures specifications and Approval of consulting Engineer.**

NOTE : Unless otherwise mentioned specifically, any one of approved makes or brands shall be allowed to use. Other makes or brands of the Building materials bearing I.S.I. monogram on the material itself will also be allowed to be used AFTER TAKING APPROVAL FROM CONSULTANT.

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SUPPORT SYSTEM :

GENERAL:

Repair and Rehabilitation works does not mean plaster paint and forget. Contractors are advised to treat this part of tender/Contract with an understanding that it is more serious than for new works. It may be noted that the work when carried out by the contractor is done with full knowledge of the material used, its high points and its shortcomings. Every additive used should be properly dealt with and prior approval about the methodology of repair and mixing proportions be ascertained by the contractor from the consultants.

Preparation for any work forms an important part of repairs and rehabilitation work and due importance be given to all surface preparation. Approval and consultants go ahead is required whenever such surface preparations are mandatory before actual repairs can start. Improper preparation can lead to future failures.

All repairs to structural members must be preceded with a proper support system. This structural support system must be worked out for each structural member. Structural significance and safety of the whole building is of paramount importance. Necessary suitable propping is required

to be provided shall have proper bottom and top bearing planks of proper material and area with adequate thickness (minimum 25mm). The props shall be tight and vertical and should not move or vibrate when tapped.

A guideline to check if the number of props provided is sufficient being for wood. One wooded prop of 100 mm dia. shall carry 3 T of load.

Unless detailed calculations are done, the following approximate shall apply.

Every column carries approximately the following load:

$$W_c = W_{con} + W_{st}$$

Where $W_{con} = Y$ where Y is the breadth in cms if width is 23cms

And W_{st} is as follows:

Dia in mm	load per bar
12	2 T
16	4 T
20	6 T
25	9 T

So $W_{st} = \text{load per bar} \times \text{No. of bars}$

It is mandatory to support every column being jacketed.

2. REMOVAL OF CONCRETE/ PLASTER COVER :

2.1. The range of removal of plaster/ concrete cover shall extend to the limit of crack /hollowness /corrosion of rebar. The governing dimensions of removal shall be based on the minimum dimensions and/or shall extend beyond the zone of rusting to a minimum dimensions.

2.2. Concrete surfaces to which treatment are to be applied shall be freshly exposed parent concrete free of loose and unsound materials. Prepare surfaces by mechanical abrasion unless prohibited by environmental limitations in which case acid etching may be used.

2.3. A good base or foundation shall be prepared for successful application of any treatment.

2.4. All unsound /weak concrete/ mortar material shall be first removed by the contractor up to the required depth. Chipping shall continue until there are no offsets in the cavity, which will cause an abrupt change in the thickness of repaired surface. No square shoulders shall be left at the perimeter of the cavity, all edges shall be tapered. The final cut surface shall be critically examined to make sure that it is sound and properly shaped.

2.5. All treated area shall always measured after chipping is complete. It shall be measured as the nearest geometrical shape. Thickness measurements for structural repair shall be taken as average thickness measurement backward from theoretical calculations based on chemical consumption's. Such cases of average thickness exceeding 25 mm shall be paid on prorated basis of quoted rate.

TS 3: CLEANING OF SURFACE :

3.0. Cleaning of concrete surfaces.

3.1. Concrete surface to which treatment are to be applied shall be freshly exposed parent concrete free of loose and unsound materials. Prepare surfaces by mechanical abrasion unless prohibited by environmental limitations in which case acid etching may be used.

3.2. Mechanical abrasion:- Use sandblasting or scarifying or wire brushing or other approved means. The purpose of this is to achieve a surface that is clean and dust free. Distressed loose concrete is to be removed.

3.3. Acid etching:- Etch surface with a commercial grade of hydrochloric acid diluted at a ratio of 10:90 to 20:80. After this application, scrub surface with a stiff bristled broom, brush, or similar implement. Immediately after foaming action of acid has subsided, flush surface with water jets until all residue is removed. Repeat procedure until Latinate is completely removed. Wash such areas with water at least three times and allow to air dry prior to further treatment.

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TS 4: WATER CLEANING :

4.1. All surfaces so prepared as per TS 2 and TS 3, have to be cleaned of all the effects of the above procedure.

4.2. A fresh water jet is recommended for the cleaning process. This is aimed to remove all dust, oil, rust particles and any such deleterious material that is not conducive to sound construction practices. The jet pressure can also be achieved by a stream of fast flowing water from a pipe.

4.3. Inspection of concrete surfaces prior to mortar application.

4.4. Inspect all concrete surfaces prior to application of mortar to ensure that section is free from loose particles and deleterious materials, cracks and effects of corrosion or carbonation.

4.5 Surfaces shall be free of any deleterious materials such as Latinate, curing compounds, dust, dirt, and oil. Materials resulting from surface preparation specified in Article 3.1 shall be removed.

4.6 All concrete surfaces shall be dry as defined in Article 4.2.3.2 below unless a water-insensitive coating is used.

4.7. Evaluate moisture content for concrete by determining if moisture will collect at boundary lines between old concrete and new coating before the new coat has cured. This may be accomplished by taping a 4 x 4 ft polyethylene sheet to concrete surface. If moisture collects on underside of polyethylene sheet before polymer would cure, then allow concrete to dry sufficiently to prevent the possibility of moisture between old concrete and new layer.

TS 5: CHIPPING OF CONCRETE COVER :

5.1. The range of removal of concrete cover shall extend to the limit of crack /hollowness /corrosion of rebar. The governing dimensions of removal shall be based on the minimum dimensions given in the drawing and/or shall extend beyond the zone of rusting to a minimum dimension as specified in the drawing.

5.2. Concrete surfaces to which treatment are to be applied shall be freshly exposed parent concrete free of loose and unsound materials. Prepare surfaces by mechanical abrasion unless prohibited by environmental limitations in which case acid etching may be used.

5.3. A good base or foundation shall be prepared for successful application of any treatment.

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5.4. All unsound /weak concrete/ mortar material shall be first removed by the contractor up to the required depth as directed by engineer. Chipping shall continue until there are no offsets in the cavity which will cause an abrupt change in the thickness of repaired surface. No square shoulders shall be left at the perimeter of the cavity, all edges shall be tapered. The final cut surface shall be critically examined to make sure that it is sound and properly shaped.

5.5 All areas so chipped shall be subjected to water cleaning and drying. No deleterious material shall be left on the chipped surfaces. It is essential that the loose and cracked concrete shall be properly removed. It is essential that concrete around the rebar, which shows corrosion shall be removed properly, and sufficiently to ensure proper cleaning of rust from the rebar.

5.6 Incase the distressed concrete extends into the core of the section it is essential to seek the consultants approval prior to removal of this concrete. It is essential also to design proper support system and prop the area prior to removal of concrete beyond 5 mm inside the core area.

6. BRICK BAT WATER PROOFING:

6.1 Removal of existing water proofing layer.

All existing waterproofing layer will be removed by the contractor, wing wise using chisel and hammer. The hammer will not be used directly on the slab, chisel is to be used only in slanting manner to ensure that the chisel does not enter the slab section. Any damage to the slab will be made good using proper shuttering, steel and concrete mix 1:1.5:3. It shall be allowed to cure for 7 days before further work is undertaken.

6.2. PRE TREATMENT.

After the slab top face is exposed the same shall be first broom cleaned and then water cleaned. Immediately on cleaning with water a thin slurry of cement is prepared and broomed over the entire surface and allowed to entire all cruices, cracks etc. which are grooved prior to slurry application . After the slurry coat is completed, and dried for 24 Hrs. The surface is inundated with water for 4 days to check for water tightness. In case any seepage marks appear on the 4th day grooving is repeated before proceeding ahead. Due care is to be taken that all crevices, cracks and unevenness is properly treated.

6.3. Water proof treatment.

The grouted surface is cleaned of all excess inundated water and air dried 1 day, cement mortar (1: 3) with waterproofing chemical added in the ratio of 1 kg for 50kg of cement is prepared and laid evenly over the surface . Thickness of very evenly backed bricks are then hand packed in this wet mortar to create desired slope. The slope that is maintained is 1mm in 120mm (1" in 10') . The slope should drain water into the rain water pipe. The top

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finished level should be at least 1mm below the bottom invert of the rain water pipe. Water is inundated on this brick laid surface for 7 days to check for water tightness and to eliminate weak brick pieces. All weak brick pieces are to be replaced by fully caked pieces. All joints of brick work are then filled with thin coat cement slurry and leveled with cement mortar (1: 3) duly mixed with water proof compound. The cement mortar is to broom finished and inundated with water for 21 days. In case of cement slurry smooth finish with marking as top finished inundation shall be done after top finish coat. China mosaic coat is applied in required design after monsoon and cleaned, finished cured complete.

7. TOILET/ WC WATER PROOFING:

7.1 Removal of existing water proofing layer.

All existing waterproofing layer will be removed by the contractor, using chisel and hammer. The hammer will not be used directly on the slab, chisel is to be used only in slanting manner to ensure that the chisel does not enter the slab section. Any damage to the slab will be made good using proper shuttering, steel and concrete mix 1:1.5:3. It shall be allowed to cure for 7 days before further work is undertaken.

7.2 Pre Treatment.

After the slab top face is exposed the same shall be first broom cleaned and then water cleaned. Immediately on cleaning with water slurry coat of cement shall be applied. Due care is to be taken that all crevices, cracks and unevenness is properly treated.

7.3 Water proof treatment.

Brickbats of varying sizes will be laid in 25 to 30mm thick cement mortar laid 1:3 in all positions with an average thickness of 100mm in proper slope not less than 20mm in 200mm feet. This layer has to be cured for 4 days. After curing layer of 40mm of Indian patent stone 1:3 is to be laid complete with curing. Waterproofing compound based on polymer of standard make to be added in both layer and chips to be laid later on. The restoration of all finishing items shall be done by the contractor.

8. CERAMIC GLAZED TILES :

Ceramic glazed tiles shall be of best (first) quality Indian manufacture or otherwise if so specified, and quality, size, colour shall be approved by the consultants. They shall be of uniform colour and glazed. They shall not be less than 6mm thick and shall be free from warped surfaced, cracks and shall be with true edges, straight and even. They shall be laid to required slope on floors and truly vertical for walls, on a bedding mortar(1:6) of 25mm thick cement mortar and set in cement floating with close joints and well tapped to level. For walls the backing shall be of cement mortar. The joints of tiles shall have colour cement pointing, to match with the colour of tiles. The surface between the w.c. pan and the top of the tiles shall be finished in white cement along the curve of the pan, and no extra will be

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paid for this. After the setting operation is completed, the contractor shall remove carefully all cement etc. from the surface. The rate for the work shall be inclusive of all preparatory works. Supplying, setting and handing over neat and clean the area to be tiled.

9. CI PIPES

9.1. Material :- All C.I. pipes and fittings shall be centrifugally casted as per IS specifications with spigot and socket ends. All pipes and fittings are having manufacturer's name and label. The dimensions are accurately as per standard specifications. The same specifications shall be adopted for both removing & refixing & also for removing & providing required pipe lines.

9.2. Removing :-

Removal of CI pipes and fitting are to be very carefully by chiseling. Necessary openings shall be provided on wall which will be sealed with cement mortar at free of cost after the refitting is done.

The users are to be informed as early as possible and probable time taken for completion will be informed to them by the concerned contractor.

9.3. Refitting :-

After the completion of the sand face plaster as per IS or as directed by the engineer refitting is to be done. All pipes are to be clipped 50mm away from wall by providing appropriate spacer block and with nails which shall be drill driven. The joints shall be sealed properly without leakage's. Necessary fittings are to be fitted and alignment should be maintained in case new pipes are to be fitted, appropriate IS brand approved shall be used.

Detection of cracks in pipes:- All pipes and fittings shall be inspected carefully before being laid. Broken or defective pipes shall not be used and removed from the site of work. Pipes shall be rung with a light hammer preferably while suspended to detect cracks. If doubt persists, confirmation may be obtained by pouring a little paraffin on the inside of the pipe at the suspected spot, if a crack is present, the paraffin seeps through and shows on the outer surface.

Preparing pipes: - The pipes shall be carefully cleared of all foreign matter before being laid. They shall be thoroughly brushed out internally with a well fitting hard brush, and after laying, the open end shall be temporarily plugged to prevent ingress of water, soil, etc. precautions shall be taken to prevent damage to pipes.

Sealing of Joint: - Jointing of CI pipes and fixtures shall be done by cement paste and finished by sodium silicate solution. The joints shall be carefully sealed and tested for leakage.

Painting: All plumbing lines shall be provided with appropriate paint in 2 coat properly finished complete

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10. PVC PIPES :

PVC pipes shall conform to IS specification for high-density polyethylene pipes for drainage work. The pipes shall have smooth internal and external surfaces. Slight shallow longitudinal grooves or irregularities in the wall thickness shall be permissible provided that the wall thickness remains within the permissible limits .PVC pipes shall be pressure ratings (working pressure) as indicated. The pipes shall carry colour bands to indicate the class of pipes.

Class of pipes	Working pressure MPa	Colour
Class 1	0.2	Orange
Class 2	0.25	Red
Class 3	0.4	Blue
Class 4	0.6	Green
Class 5	1	Yellow

PVC pipes: - PVC pipes shall confirm to IS 4985 - 1981, Specification for PVC pipes for potable water supply. The pipes shall be reasonably round. Internal and external surfaces of the pipes shall be smooth and clean, PVC pipes shall be pressure ratings (working pressure) as 2 - 5 , 4.5 and 10Kg / sq cm. as indicated .

Jointing of PVC pipes

Solvent welded joints:- This technique is used with both

All relevant specifications as outings under IS 60 for removal, refixing cleaning, painting etc.

11. CHAMBER/ SOAK PIT REPAIRS:

11.1 Manholes: Manholes shall be built at every change of alignment, gradient or diameter of a drain, or where directed. Bends and junctions in the drains, shall be grouped together in manholes. The maximum distance between manholes shall be 45 m for pipes up to 300mm dia and 75m for pipes up to 500 mm dia, and 90 m for pipes up to 900mm.

Manholes of different types and sizes as indicated shall be constructed in the sewer line at such places and to such levels and dimensions as shown in the drawing or as directed by the Engineer - in- charge.

Where the diameter of the drain is increased, the crown of the pipe shall be fixed at the same level and necessary slope given in the invert of the manhole chamber. In exceptional cases, where unavoidable the crown of the branch sewer may be fixed at lower level but in such cases the peak flow level of the two sewers shall be kept the same.

The branch sewers shall deliver sewage in the manhole in the direction of main flow and the junction must be made with care so that flow in the main is not impeded.

No drain from house fittings e.g. gully trap or soil pipe, to manhole shall be normally exceed a length of 6m unless it is unavoidable.

Excavation. The manhole shall be excavated true to dimensions and levels shown on the planes or directed by the EIC.

11.2. Bed Concrete - The manhole shall be built on a bed of cement concrete 1:3:6 type C2, or 1:2:4 type B2 where indicated. The thickness of the bed concrete shall be 20cm for manholes up to 4.25m depth and 30 cm for depths beyond 4.25 m unless otherwise indicated or directed y the EIC. In bad ground, Special foundations as suitable shall e provided.

11.3. Brick Work - The brick work shall be with sub-class B bricks in cement and sand mortar. The external joints of the brick masonry shall be finished flush, and the joints of the pipes and the masonry shall be made perfectly leak proof . For arched type and circular manholes brick masonry in the arches and arching over the pipes shall be in cement and sand mortar 1:3 . In the case of manholes of circular type the excess shaft shall be corbelled inwardly on three sides at the top to reduce its size to the cover frame to be fitted. Specification for the types of masonry shall be indicated.

11.4. Plaster and Pointing - The walls of the manholes shall be plastered inside with 15mm thick cement plaster 1:3 finished smooth. Where saturated soil is met with the external surface of the walls of the manholes shall also be plastered with 15mm thick cement plaster 1: 3 finished smooth . The plaster shall further be water proofed where indicated with addition of approved integral water proofing compound in a quantity as indicated.

11.5. Benching - The channels and benching shall be done in cement concrete 1:2:4, type B1 rendered smooth with extra cement. The depths of channels and benching shall be as under:

Size of Drain	Top channel at the center above bed concrete	Depth of benching of side walls above bed concrete
mm	Cm	Cm
100	15	20
150	20	30
200	25	35
250	30	40
300	35	45
350	40	50
400	45	55
450	50	60

11.6. Steps - All manholes deeper than 0.8 m shall be provided with steps . These shall be embedded 20cm deep with 20x20x10cm blocks of cement concrete 1:3:6 type CI. The block with foot rest placed, in its center shall be cast in situ along with the masonry.

11.7. Manhole Covers and Frame - The frame of manhole shall be firmly embedded to correct alignment and levels in R. C. C. slab or plain concrete as the case may be . Before completion of work manhole covers shall be sealed by means of thick grease.

12. G. I. PIPES:

12.1 G . I . Pipes and sockets.

Materials.

The pipes shall be galvanized mild steel welded pipes and seamless, screwed and socketed tubes conforming to the requirement of I. S. 1239 - 1964 for medium grade. They shall be of the diameter (nominal bore) specified in the description of the item. The respective nominal bores of the pipes for which they are intended shall design the sockets.

The pipes and sockets shall be cleanly finished, well galvanized in and out and free from cracks, surface flaws, laminations, and other defects. All screw threads shall be clean and well cut. The ends shall be cut cleanly, and square with the axis of the tube.

The details of pipes and sockets regarding nominal bore, thickness and in Kg /m are given in the Table below: -

TABLE :

(Particulars of medium grade G. I. Pipes)

Nomina l bore	Dimensions of pipes Outside dia		Thickness	Dimensions of ordinary sockets	Weight of pipe	
	Max	Min		App. outside dia	Min length	Plain end
Mm	mm	mm	mm	mm	mm	Kg/m
15	21.8	21.0	2.65	26.90	34	1.21
20	27.3	26.5	2.65	33.7	36	1.57
25	34.2	33.3	3.25	42.6	43	2.42
32	42.9	42.0	3.25	51.0	48	3.11
40	48.8	47.9	3.25	57.0	48	3.59
50	60.8	59.7	3.65	70.0	56	5.07
65	76.6	75.3	3.65	88.9	65	6.49
80	89.5	88.0	4.05	101.6	71	8.43

The following manufacturing tolerances shall be permitted on tubes and sockets in additions to those indicated in the table above.

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(a) TUBES

(1) THICKNESS

(i) Medium Tubes Butt Welded

+ Note limited

- 10 per cent

Medium Tubes Seamless

+ Note limited

- 12.5 per cent

(2) WEIGHT

(i) For quantities of 150m and over of one size

+ / - 4 per cent

(ii) Single tube

+ 10 per cent

-8 per cent

(b) SOCKETS

out side diameter

+ / - 2.5 per cent

All screwed tubes and sockets shall have pipe threads conforming to the requirements of I .S . 554 _ 1955 (or revised) screwed tubes shall have taper threads while the sockets shall have parallel threads .

12.2 Pipe fittings :- The fittings shall be of malleable cast iron or mild steel tubes complying with all the appropriate requirements given as specified . The respective nominal bores of the pipes for which they are intended shall design the fittings.

The fittings shall have screw threads at the ends conforming to the requirements of I.S. 554 _1955 (or revised) . Female threads on fitting shall be parallel and male threads (except on running nipples and collars of unions) shall be taper .

12.3 Cutting, laying and joining: - The pipes and fittings shall be inspected at site before use to ascertain that they conform to the specification given above. The defective pipes shall be rejected. Where the pipes have to be cut or rethreaded, the ends shall be carefully filed out so that no obstruction to bore is offered. The end of the pipes shall then threaded conforming to the requirements of I. S 554 - 1955 with pipes dies and taps carefully in such a manner as will not result in slackness of joints when two pieces are screwed together. The taps and dies shall be used only for straightening screw threads which have become bent or damaged and shall not be use for turning of the threads so as to make them slack, as the later procedure may not result in a water tight joint. The screw threads of pipes and fitting shall be protected from damage until they are fitted.

The pipes shall be cleaned and cleared of all foreign matter before being laid. In jointing the pipes, the inside of the socket and the screwed end of the pipes shall be oiled and rubbed over with white lead and a few turns of spun yarn wrapped round the screwed end of the pipe. The end shall then be screwed in the socket, Tee etc. with the pipe wrench. Care should be taken that all pipes and fittings are properly jointed so as to make the joints completely water tight and pipes are kept at all times free from dust and dirt during fixing. Burr from the joint shall be removed after screwing. After laying, the open ends of the pipes shall be temporarily plugged to prevent access of water, soil or any other foreign matter. Any threads exposed after jointing shall be painted or in the case of under ground piping thickly coated with approved anticorrosive paint to prevent corrosion.

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12.4 Internal work: For internal work the galvanized iron pipes and fittings shall run on the surface of the walls or ceiling (not in chase) unless otherwise specified. The fixing shall be done by means of standard pattern holder bat clamps, keeping the pipes about 1.5cm clear of

the wall. When it is found necessary to conceal the pipes chasing may be adopted or pipes fixed in the ducts or recesses etc. provided there is sufficient space to work on the pipes with the usual tools. The pipes shall not ordinarily be buried in walls or solid floors. Where unavoidable pipes may be buried for short distances provided adequate protection is given against damage and where so required joints are not buried. Where directed by the Engineer-in-charge, a M. S. tube sleeve shall be fixed at a place a pipe is passing through a wall or floor for reception of the pipe and to allow freedom for expansion and contraction.

13. PAINTING.

13.1. CEMENT PAINTING

13.1.1 White washing

Fresh white lime slacked at site of work should be mixed with sufficient water to make a thin cream. The approximate quantity of water required in making the cream is 5 litres of water to 1 kg of lime. It shall then be screened through a coarse cloth and gum (glue) in the proportion of 100 grams of gum to 16 litres (three chattacks of gum to 6 gallons) of wash shall be added. The surface should be dry and thoroughly cleaned from dust and dirt. The wash shall be applied with 'moonj' or jute brush, vertically and horizontally alternately and the wash kept stirred in the container while using. Two or three coats shall be applied as specified and each coat shall be perfectly dry before the succeeding coat is applied over it. After finishing the surface shall be of uniform colour. The white wash should not splash on the floor and other surfaces. In old surface the surface should be cleaned and repaired with cement mortar where necessary and allowed to dry before white wash is applied. For final coat blue pigment powder should be mixed to the required quantity with the lime water to give a bright white surface.

13.1.2 Colour washing

Colour wash shall be prepared with fresh slaked white lime mixed with water to make thin cream adding the coloured pigment to the required quantity to give the required tint. Gum (glue) in the proportion of 100 gm of gum to 16 litres (three chattacks of gum to six gallons) of wash shall be added. The colour wash may be applied one or two coats as specified. The method of application should be same as for white washing (item 17). For new work the priming coat shall be of white wash.

13.1.3. TS 37.3. Distemping :

The distemper shall be of best quality and the colour should be as specified. The distemper should be mixed and prepared and water added, as laid down in the instructions of the manufacturer. First a paste is made by adding little hot water to the distemper powder and stirred thoroughly, and the paste is allowed to stand for a few minutes. The paste is then

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thinned with water to have a thin cream to the consistency of oil paint and stirred thoroughly all the time while applying. If the surface is rough, it should be smoothed with sand paper.

The surface must be perfectly dry before distempering is commenced. In new cement plaster the surface shall be washed over with a solution of zinc sulphate, one kg zinc sulphate in 10 litres of water and then allowed to dry. In old surface, the surface shall be repaired with plaster of paris where required and then whole surface sand papered and washed and allowed to dry.

The number of coats shall be two or as specified. The distemper shall be kept well stirred in containers and shall be applied with broad brushes first horizontally and immediately crossed vertically. Brushing should not be continued too long to avoid brush marks. The second coat shall be applied after the first coat is dried up. After each day's work the brushes shall be washed and kept dry. Distempering should be done during dry weather but not during too hot weather, not wet weather.

14: PLASTIC EMULSION PAINTING:

Plastic emulsion is mixed by the manufacturer while manufacturing. For application of plastic emulsion it is mixed with the required quantity of primer and then applied on the surface. The methods of preparation and application are similar as described above.

SPECIFICATIONS FOR PAINTING WITH SYNTHETIC ENAMEL PAINT:

1. The steel structures like grill, plates, angles, channels, etc... are to be painted with Synthetic enamel paint. The structures are fabricated by beams, channels, angles, flats & plates of different size and thickness.
2. Surface preparation of structures by cleaning the surface by wire brush, chisels, buffing wheel, mechanical tools & grinder is to be done compulsorily. At some locations, the cleaning shall be carried out by water/air jetting. All necessary arrangement for water/air jetting including arrangement of pump, compressor, etc. shall be in the scope of contractors. All the loose rust, old paints etc. are to be cleaned up to the entire satisfaction and certification of Engineer-in-charge. Without certification of scrapping & cleaning work from Engineer-in-charge, painting will not be allowed. Joint records to be taken for initial thickness of existing surface with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
3. One coat of Red oxide zinc chromate primer conforms to IS: 2074 to be applied uniformly on the surface of steel after perfectly cleaning the structures by the wire brush, chisels & grinders. All the loose rust, paints etc. are to be cleaned. The thickness of primer should be 25 microns. Joint records to be taken for verification of thickness of red oxide primer with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.
4. Before applying successive coat, proper cleaning of the entire surface shall be carried out to remove any dirt, dust, etc.
5. One coat of Luxol high glossy Synthetic enamel paint in similar shade is to be applied uniformly. The thickness of first coat should be minimum 25 microns. Joint records to be taken for verification of thickness of first coat of synthetic enamel paint with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.

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6. After drying of the synthetic enamel & surface cleaning, the next successive coat of Luxol high glossy Synthetic enamel paint in similar shade shall be applied uniformly. The thickness of the second coat should be minimum 25 microns. Joint records to be taken for verification of thickness of second coat of synthetic enamel paint with digital Alco meter (to be supplied by contractor) as directed by Engineer-in-charge.

SPECIFICATION FOR ACTYLIC EMULSION PAINT

Surface preparation, prime and putty application shall be as per specification of oil bound distemper. Two coats of Acrylic emulsion paints shall be applied as per manufacturer's specification.

SPECIFICATION FOR APEX WEATHER EXTERIOR PAINT

Surface preparation:

Surface is thoroughly clean, dry and free from all loose dirt, chalk, grease, fungi, algae and flaking paint. This can be achieved by brushing with a wire / stiff coir brush, followed by water jetting if required. Fill up all minor cracks and defects with white cement and sand mixture in the ratio 1:3. For application on previously painted wall, previous coatings of paint must be thoroughly scraped off and clean the surface thoroughly using wire brushes.

Priming:

Apply a liberal coat of exterior acrylic primer and allow it to dry for 4-5 hours. application of putty is not recommended. Minimum 4-6 hours duration is required between each coat of weather shield max paint.

ARTICULAR SPECIFICATION: ALUMINUM WORK

Aluminum work shall be got executed from specialized agency. The specialized agency for the aluminum work shall be got approved from the Engineer-in-Charge, well before actual commencement of the item of work. Necessary performance certificates in respect of agencies proposed to be engaged shall be submitted within 30 days from the date of issue of acceptance

letter to substantiate technical capability and experience of the agency for prior approval of the Chief Engineer.

Specification for Aluminum Door, Window, Ventilator

1. Extent and Intent:

The work shall be carried out through an approved specialist contractor who shall furnish all materials, labour, accessories equipment tool & plant, incidental. Required for providing and installing anodized aluminum door, windows, claddings, louvers and other items as called for on the drawings. The drawings and specifications cover the major requirement only. The supplying of additional fastenings, accessory features and mentioned specifically herein but which are necessary to make a complete installation shall be a part of the contract.

2. General :

Aluminum doors, windows etc. shall be of sizes, section detail as shown on the drawings. The details shown on the drawings indicate generally the sizes of the components parts and general standards. These may be varied slightly to suit the standard adopted by the manufacture. Before proceeding with any manufacturing, the contractor shall prepare and submit complete manufacturing and installation drawings for approval of Engineer-in Charge and no work shall be performed until the approval of these drawings is obtained.

3 Shop Drawings :

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The contractor shall submit the shop drawings of doors, windows louvers cladding and other aluminum work, based on architectural drawings to Engineer-in-Charge for this approval. The drawings shall show full size sections of door, window etc. thickness of metal (i.e. wall thickness) details of construction, sub frame / rough ground profile anchoring details, hardware as well as connection of windows doors, and other metal work to adjacent work. Samples of all joints and methods of fastening and joining shall be submitted to the Engineer-in-Charge for approval well in advance of commencing the work.

4 Samples :

Samples of doors, windows, louvers etc shall be fabricated assembled and submitted to the Engineer-in-Charge for his approval. They shall be sizes, types etc. as decided by Engineer-in-Charge. All samples shall be provided the cost of the contractor.

5 Sections :

Aluminum doors and windows shall be fabricated from extruded section of profiles as detailed on drawings. The sections shall be extruded by the manufacturers approved by the Engineer-in-Charge. The aluminum extruded section shall conform to IS designation 63400 WP (HV9WP old designation) with chemical composition and technical properties as per IS : 733 and 1285. The permissible dimensional tolerance of the extruded sections shall be such as not to impair the proper and smooth function / operation and appearance of doors and windows.

6 Fabrications :

Doors, window etc. shall be fabricated to sizes as shown at factory and shall be of section, sizes combinations and details as shown in the Architectural drawings, all doors, windows etc. shall have mechanical joints. The joints shall be designed to withstand a wind load of 150 kgs. Per sqm the design shall also ensure that the maximum deflection of any member shall accurately machined and fitted to form hairline joints prior to assembly. The join and accessories such as cleats brackets, etc. shall be of such materials as not to cause any bi-metallic action, the design of the joints and accessories shall be such that the accessories are fully concealed. The fabrication of doors, window etc. shall be done in suitable sections to facilitate easy transportation, handing and installation Adequate provision shall be made in the door and windows members for anchoring to support and fixing of hardware and other fixture as approved by the Engineer-in-Charge.

.7 Anodising :

All aluminum sections shall be anodized as per IS : 7088 and to required colour as specified in the item as per IS : 1868 grading, after cutting the members to requisite sizes. Anodizing shall be to the specified grade with minimum average thickness of 15 microns when measured as per IS : 6012. The anodic coating shall be properly sealed by steams or by boiling in deionized water or cold sealing process as per IS : 1868 / IS : 6057. Polythene tape protection shall be applied on the anodized sections before they are brought to site. All care shall be taken to ensure surface protection shall be removed on transportation, storage at site and installation. The tape protection shall be removed on installation. The sample will be tested in the approved laboratory and cost of samples, cost or testing shall be borne by the contractor.

8 Powder Coating :

The powder used for powder coating shall be polyster powder made by Berger or Jenson & Nicholsion or equivalent. The thickness of powder coating shall not be less than 50 micron at any point measured with micrometer.

9 Protection of Finish :

All aluminum members shall be wrapped with approved self-adhesive non-staining PVC tapes.

10 Handling and stacking :

10.1 Fabricated materials shall be carted in an approved manner to protect the material against any damage during transportation. The loading and unloading shall be carried out with utmost care. On receipt of materials at site, they shall be carefully examined to detect any damaged pieces. Arrangements shall be made for expeditious replacement of damaged pieces / parts. Material found to be acceptable on inspections shall be repacked in crates and stored safely.

10.2 In the case of composite windows, and doors the different units are to be assembled first. The assembled composite units should be checked for line, level and plumb before final fixing is done. Unit may be serial numbered and identified as how to be assembled in their final location of situation so warrants.

10.3 Where aluminum comes in to contact with masonry brick work / concrete / plaster or dissimilar metals. It shall be coated with approved insulation lacquer paint or plastic tape to ensure that electro chemical corrosion is avoided. Insulation materials shall trimmed off to clear flush line on completion.

10.4 Silicon Sealant :

The peripheral gaps between plastered faces / RCC and aluminum sections shall be sealed both from inside and out side to make the windows watertight. Gaps upto 10mm between the peripheral aluminum member and masonry /RCC/ Stone shall be sealed by inserting. Backer Rod manufactured by HT TROPLAST or Supreme Industries and by application of weather silicon / sealant of DOW corning / GE silicon make.

10.5 The contractor shall be responsible for assembling composite, bedding set straight plumb, level and for their satisfactory operation after fixing is complete.

11 Installation :

11.1 Just prior to installation the doors, windows etc. shall be uncrated and stacked on edge on level bearers and supported evenly. The frame shall be fixed in to position true to line and level using adequate number of expansion machine bolts, anchor fasteners of approved size and manufacture and in an approved manner. The holes in concrete / masonry members for housing anchor bolts shall be drilled with an electrical drill.

11.2 The doors windows assembled as shown on drawings shall be placed in correct final position in this opening and marks made on concrete members at jambs, sills and heads against the holes provided in frames for anchoring. The frame shall then be removed the n the opening and laid aside. Neat holes with parattle sides of appropriate size shall then be drilled in the concrete members with an electric drill at the marking to house the expansion bolts. The expansion bolts shall then be inserted in the holes, struck with a light hammer till the nut is forced in to the anchor shall. The frame shall then be placed in final position. In the opening and anchored to the support through cadmium plated machine screws of required sized threaded to expansion bolts. The frame shall be set in the opening by using wooden

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wedges at supports and be plumbed in position. The wedges shall invariably be place at meeting points of glazing bars and frames.

11.3 Neoprene Gaskets :

The E.P.D.M. gasket of suitable profile as manufactured by HANU INDUSTRIES, ANNAND LESCUYER make shall be provided at all required positions to make the glazing airtight. The contractor shall provide and install Neoprene Gaskets of approved size and profile at all locations as shown and as called for to render the doors windows etc. absolutely air tight and weather tight. The contractor shall submit samples of the gaskets for approval and procure after approval only.

11.4 Fittings :

The contractor shall cut the floor properly with stone cutting machine to exact size and shape. The spindle of suitable length to accommodate the floor finish shall be used. The contractor shall give the guarantee duly supported by the company for proper functioning of floor springs at least for 10 years. Hinges, stays handles, tower bolts, locks and other fittings shall be of quality and manufacturer as approved by the Engineer-in-Charge.

12 Manufacture's Attendances :

The manufacture immediately proper to the commencement of glazing shall adjust and set all windows and foors and accept responsibility for the satisfactory working of the opening frames.

13 Details of Test :

13.1 The various tests on aluminum sections shall be conducted in accordance with the relevant IS codes.

13.2 The minimum number of each unit of doors/ windows shall be selected at random by Engineer-in-Charge as such that all the aluminum section shall be got tested.

13.3 The sample of major member of each unit of doors / windows shall be selected at random by Engineer-in-Charge as such that all the aluminum section shall be got tested.

13.4 The cost of sample carriage of the samples shall be borne by the contractor. Testing charges shall be born by department, but if a sample fails in testing, complete cost or testing charges shall be born by the contractor.

14 Acceptance Criteion :

The aluminum sections shall conform to the provisions of the relevant items. For payment purpose only actual weight of sections shall be taken into account. If however, the sectional weight of any aluminum section is higher than the permissible variation then the weight payable shall be restricted to the weight of the section including permissible variation.

15 Measurement :

Payment by weight shall be made for aluminum sections including beading only and all fixing angles cleats fittings and fixtures such as handles and hinges etc., shall not be included in the weight to be paid.

16 Rates :

The rates of the items shall include the cost of all materials, labors and inputs required and all the above operations.

LIST OF APPROVED PRODUCTIS FOR WORKS:

1 Aluminium sections (Anodising by approved anodizing firm): Hindalco, Jindal, Indian Aluminum Co.

2 Clear Glass

:Modiguard, Saint Gobain, Joll

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16: SAFETY :

1. First aid appliances including adequate sterilized dressings and cotton wool shall be kept in a readily accessible place.
2. An injured person shall be taken to a public hospital without loss of time, in case where the injury necessitates hospitalization.
3. Suitable and strong scaffolds should be provided for workmen for all works that cannot safely be done from ground.
4. No portable single ladder shall be over 8 metres in length. The width between the side rails shall not be less than 30 cm (clear) and the distance between two adjacent rungs shall not be more than 30 cm. When a ladder is used an extra mazdoor shall be engaged for holding the ladder.
5. The debris material shall not be placed within 1.5 metres of the edge of the building.
6. Every opening in the floor of a building or in a working platform shall be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing the minimum height of which shall be 1 metre.
7. No floor, roof or other part of the structure shall be so overloaded with debris or materials as to render it unsafe.
8. Workers employed on mixing and handling material such as brick mortar, cement mortar or concrete shall be provided with protective footwear and rubber hand gloves.
9. i) No paint containing lead or lead products shall be used except in the form of paste or readymade paint.
ii) Suitable facemasks should be supplied for use by the workers when the paint is applied in the form of spray or surface having lead paint dry rubbed and scraped.
10. Hoisting machines and tackle used in the works, including their attachments, anchorage and supports shall be in perfect condition.
11. The ropes used in hoisting or lowering material or as a means of suspension shall be of durable quality and adequate strength and free from defects.
12. Safety belts should be used while executing the external painting / plastering, crack filling, etc. works on the building. The entire work needs to be supervised by an experienced supervisor.
13. Bank may appoint a technically qualified supervisor / consultant for supervision of works. The contractor is required to comply the instructions given by him on the advice of the Bank.

Bid Security Declaration Form

(To be submitted by the bidder on firm's letter head)

Date: _____

To:

**The Regional Head,
Regional Office Ghazipur West
Union Bank of India**

I/We, The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration. **I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from the date of notification** if I am /We are in a breach of any obligation under the bid conditions, because I/We a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or b) Having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We understand this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder.

Signed:

In the capacity of:

Name of person signing the Bid Securing Declaration):

Duly authorized to sign the bid for and on behalf of:

Corporate Seal:

Date:

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

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APENDIX TO CONTRACT

Date of commencement	07 days from the date of acceptance of work order OR date of site possession, whichever is later.
Retention money to be deducted from the bills.	8% of the certified gross value of each running bill, till accumulating total security deposit.
Total Security Deposit	10% of Contract amount / value of final bill whichever is maximum.
Defect Liability Period	Twelve months from the virtual completion. However, if all the works or more than one works awarded to one contractor the defects liability period will be reckoned from the date of virtual completion of last work.
Period of Final Measurement	15 days.
Liquidated damages	Shall be 0.5% of contact amount per week of delay subject to ceiling of 7.5% of the accepted contract amount.
Value of works for Interim Certificates	Value not less than Rs.10.00 lacs (Rs.Ten Lakhs only) or as decided by the Bank.
Period for honouring interim certificate.	Payable within 30 days after checking by the Bank.
Recovery towards taxes.	As per rules applicable from time to time.

ANY ADDENDUM/ ALTERATION/ CORRIGENDUM SHALL BR PUBLISHED IN BANK'S WEBSITE ONLY. INTENDING BIDDERS ARE ADVISED TO VISIT THE BANKS WEBSITE TILL THE DURATION OF TENDER

IF ANY DATE FOR SUBMISSION / OPENING OF BID MENTIONED IN TENDER DOCUMENT FALLS IN HOLIDAY. THE SAME SHALL BE CARRIED OUT IN NEXT WORING DAY

Regional Assurance Head, Business Operation

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PRICE BID

TO BE PACKED IN A SEPARATE SEALED ENVELOPE

**NAME OF WORK: - SUMMARY SHEET OF RENOVATION OF UBI RSETI,
GHAZIPUR U.P.**

S.NO	ITEM DESCRIPTION	AMOUNT
A)	CIVIL WORK	
B)	PLUMBING WORK	
C)	TOTAL AMOUNT	
	GST EXTRA	

NAME OF WORK: - PRICE BID OF RENOVATION OF UNION BANK OF INDIA RSETI, GHAZIPUR (U.P)

SO.NO.	ITEM DESCRIPTION	UNIT	RATE	QUANT ITY	AMOUNT
	CONCRETE WORK				
	CEMENT CONCRETE (CAST IN SITU)				
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth				
	1:3:6 (1 Cement : 3 coarse sand (zone-III) Derived from natural sources : 6 graded stone aggregate 20 mm nominal size) derived from natural sources)	cum.		1.250	
	REINFORCED CEMENT CONCRETE				
	CAST IN SITU				
2	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	cum.		2.000	
	FORM WORK (CENTERING & SHUTTERING)				
3	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sq.m.		2.300	
	STEEL REINFORCEMENT				
4	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level & above plinth level.				
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg		125.000	

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	TOTAL FOR REINFORCED CEMENT CONCRETE				
	MASONRY WORK				
5	230mm. Thk. WALL - Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	cubic.m.		5.000	
6	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.				
	Cement mortar 1:3 (1 cement : 3 coarse sand)	sq.m.		50.000	
	TOTAL FOR MASONRY WORK				
	CLADDING WORK				
7	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sq.m.		152.000	
SUB HEAD : 8.0	TOTAL FOR CLADDING WORK				
	WOOD & PVC WORK				
8	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).	cum		0.750	
	Second class teak wood (ONLY DOOR FRAMES)				
9	Extra for providing ISI marked Stainless Steel butt hinges instead of M.S. pressed butt hinges bright finished of required size with necessary screws. (Shutter area to be measured).	Sq.m.		250.000	
10	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both				
	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sq.m.		26.000	
11	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each		6.000	
12	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	300x10 mm	Each		12.000	
13	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :				
	125 mm	Each		12.000	

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14	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
	Single rubber stopper	Each		12.000	
	TOTAL FOR WOOD AND P.V.C. WORK				
	FLOORING				
	VITRIFIED FLOOR TILES				
	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching				
15	Note:- The tiles must be cut with zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.	Sqm.			
	Glazed vitrified tile matt/Antiskid finish of size.				
	size of tile 600x600mm.			111.000	
	TOTAL FOR FLOORING				
	FINISHING				
16	CEMENT PLASTER (IN COARSE SAND)- 12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	Sq.m.		180.000	
17	CEMENT PLASTER (IN COARSE SAND) -15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand)	Sq.m.		75.000	
18	6MM CEMENT PLASTER - 6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	Sqm.		45.000	
19	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	per bag of 50kg cement mix		17.520	
20	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :. Two or more coats on new work	Sqm.		1250.000	
21	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm.		250.000	
22	Supplying and painting the exterior walls with one coat of wall primer and two coats of Acrylic Exterior emulsion (APEX quality of Asian paints or its equivalent) as per manufacturers specifications including preparation of surface, curing the primer coat and including Scaffolding, cleaning the paint drop stains after completion painting works etc., complete in all floors complying with standard specifications (The colour and shade of the paint shall be got approved by the Architect/ Engineer before use).	Sqm.		899.000	
	Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 lits/10 sqm complete including cost of Priming coat.				
	TOTAL FOR FINISHING				

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	FINISHING				
23	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	Sq.m.		125.000	
24	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-	Each		12.000	
25	Repair plinth protection 50mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth. Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge. with Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the	Sqm.		210.000	
	One or more coats on old work				
SUB HEAD : 13.0	TOTAL FOR FINISHING				
	DISMANTLING AND DEMOLISHING				
26	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	cum.		7.000	
27	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum.		7.000	
28	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sq.m.		7.000	
29	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum.		3.000	
	TOTAL FOR DISMANTLING AND DEMOLISHING				
	WATER PROOFING				
30	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. (The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer	sqm.		90.000	
	TOTAL FOR WATER PROOFING				

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	TOTAL CIVIL WORK AMOUNT				
BILL OF QUANTITY - PLUMBING WORKS					
	SANITARY INSTALLATIONS				
31.0	Providing and fixing white vitreous china extended wall mounted water closet of size 350 X 545 X 380mm of approved shape including providing and fixing of concealed cistern with dual flush fitting (2.0/4.0 lts. per flushing), including sheet cover, and cistern fittings, nut bolt gasket, chair etc complete. (MAKE - CERA/ HINDWARE/ PARRYWARE) Model will be finalize by Architect/ bank.	Nos.		16.00	
32.0	Providing and fixing hand shower (Health faucet) with 1.2mtr long with 8mm dia Easy Flex Tube with wall hook and flow restrictor with flow rate 6 litre per minute at 3 bar in chrome finish and wall hook. (MAKE - CERA/ HINDWARE/ PARRYWARE) Model will be	cum.		16.00	
33.0	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge. (MAKE - CERA/ HINDWARE/ PARRYWARE) Model will be finalize by Architect/ Bank.	Nos.		16.00	
34.0	Providing and fixing in position Upvc full bore P / S trap with 50 mm water seal (IS : 14735) of the following sizes . Making proper connection with solvent cement.	Nos.		16.00	
35.0	Providing and fixing white vitreous china Oval shaped wash basin for top/under counter mounting with 15 mm C.P. brass pillar tap of approved quality and make with, including painting of fittings and brackets, cutting and making good the walls wherever required. (MAKE - CERA/ HINDWARE/ PARRYWARE) Model will be finalize by Architect/ Bank.				
	White Vitreous China Oval shaped Wash basin size 584 x 460 x 174mm with 15 mm C.P. brass pillar tap auto closing type of approved make with flow rate 2.5 litre per minute at 3 bar .model will be finalize by Architect/ Bank.	Nos.		12.00	
36.0	Supply and install of 15mm C.P shower arm 190mm long with divertor with provision for over head shower with spout and with wall flange including cutting and making good the walls, wherever required. MAKE-MAKE : CERA/ HINDWARE/PARRYWARE- model will be finalize by Architect/ Bank.	Nos.		12.00	
37.0	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing complete as required. (MAKE-ModiGuard Sparkle Mirror)	Nos.		6.00	
38.0	Providing, fixing, testing & commissioning of Floor drain made of uPVC reducing elbow (110x63 mm) with horizontal drain outlet of 63 mm OD, round top of 110 mm OD. (Floor Drain)	Nos.		6.00	
	TOTAL FOR SANITORY WORK				
	SUB HEAD-18.0-WATER SUPPLY				
39.0	Internal concealed plumbing works for water supply, drainage and related works per toilet comprising of wash basin, WC etc all completion of the job with full satisfaction of owner/ Architect.	Job		13000.00	
40.0	Providing and fixing all taps & faucets fixture which is required for completion toilet.				
41.0	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	15 mm nominal bore	Nos.		85.20	
42.0	Providing and fixing of new drainage with existing drairage system etc END TO END completion of the job with full satisfaction of owner/ Architect.	Job.		5500.00	
	TOTAL FOR WATER SUPPLY WORK				
		TOTAL PLUMBING WORK			

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