



Central Bank of India
Zonal Office, GUWAHATI

Zonal Office, 2nd floor, Central Bank Of India office Building, Shaktigarh Path,
Bhangagarh, GS Road, Guwahati 781005

Open Tender in 2 bid system for

**CONSTRUCTION OF UNDERGROUND WATER TANK AND BARBED WIRE - FENCING
OF ZONAL OFFICE BOUNDARY WALL AT GUWAHATI.**

Name of the Tenderer:

Address:

Last Date of submission of Tenders: 19.06.2023 Up to 2.00 PM

S/d

ZONAL HEAD
ZONAL OFFICE GUWAHATI ,

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CENTRAL BANK OF INDIA

TENDER NOTICE

CONSTRUCTION OF UNDERGROUND WATER TANK AND BARBED WIRE - FENCING OF ZONAL OFFICE BOUNDRY WALL AT GUWAHATI.

Item wise sealed tenders are invited in 2 bid system for

TENDER FOR

Issuance	Tender forms will be available on following website 1) www.Centralbankofindia.co.in from 05.06.2023.
Last date for submission of the Tenders/	19.06.2023 up to 2.00 PM
Cost of tender	Rs.1000.00 In the form of DD in favor of central bank of India GUWAHATI (Non-refundable) On Attachment of photocopy of MSME registration Certificate, MSME registered vendors are exempted.
Earnest Money Deposit	Rs. 15,000.00 In the form of DD in favor of central bank of India GUWAHATI (Refundable) On Attachment of photocopy of MSME registration Certificate, MSME registered vendors are exempted.
Mode of submission of Tender/	<p>1) Technical Bid</p> <p>The technical bid in physical form (in envelope mentioned hereunder) addressed to Zonal Head GUWAHATI must be submitted before the closing time at Business Support Department, Zonal Office, 2nd floor, Central Bank Of India office Building, Shaktigarh Path, Bhangagarh, GS Road, Guwahati 781005</p> <p>The technical bid shall be submitted in accordance to the procedure detailed herein. Specified documents shall be sealed in an envelope of appropriate size.</p> <p>Technical Bid Envelope : shall contain DD of tender cost and EMD or duly signed copy of MSME registration certificate, duly signed tender papers, technical bid, GST no., TIN no., PAN, local address proof. Copy of work orders, completion certificates of similar type of works and all documentary evidence fulfilling eligibility criteria, integrity pact and other required documents. This envelope shall be sealed properly and endorsed on the outside face:- “Construction of Underground Water Tank and Barbed Wire Fencing of Zonal Office Boundary Wall at Guwahati” and addressed to Zonal Head, Zonal Office GUWAHATI.</p> <p>2) Commercial Bid</p>

	<p>Commercial bids are accepted in physical mode only. The Commercial bid along with Technical Bid in physical form (in separate envelope mentioned hereunder) addressed to Zonal Head GUWAHATI must be submitted before the closing time at Business Support Department, Zonal Office, 2nd floor, Central Bank Of India office Building, Shaktigarh Path, Bhangagarh, GS Road, Guwahati 781005</p> <p>Note:-Both Technical And Commercial Bid should be kept in separate envelop and then both envelop should be kept in one Big envelop.</p>
Place of Submission of technical bid	Business Support Department, Zonal Office, 2 nd floor, Central Bank Of India office Building, Shaktigarh Path, Bhangagarh, GS Road, Guwahati 781005
Place of Opening of technical bid	<p>Zonal Office, 2nd floor, Central Bank Of India office Building, Shaktigarh Path, Bhangagarh, GS Road, Guwahati 781005</p> <p>Note: - Vendors are advised to make presence of themselves at the time of opening of tenders.</p>
date of Opening of technical bid	19.06.2023 up to 2.00 PM (Can be Changed as per Bank Decision and will be conveyed in prior.
Estimated cost of work	Rs. 3,91,977.00 + GST
Eligibility Criteria	<ol style="list-style-type: none"> 1) The bidder can be a company/ corporation/trust/firm registered/ incorporation in India fulfilling the following criteria and must submit documentary evidences. Joint venture or consortium in any form is not allowed. 2) The bidder should be in existence for the last 5 (Five) years and have registered office in Assam state. 3) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year, should be at least 75% of the estimated cost. (Estimated cost of work is Rs.3,91,977 Excluding GST) <p>I. The bidder must have experience of successfully completion of works during last 5 years ending last day of month previous to the one in which bids are invited should be either of the following:</p>

	<p>similar 3 work completed works" costing not less than the amount equal to 50% of the estimated cost अथवा/ OR</p> <p>similar 2 work completed works" costing not less than the amount equal to 60% of the estimated cost अथवा/ OR</p> <p>"Similar 1 work completed work" costing not less than the amount equal to 80% of the estimated cost.</p> <p>Notes:</p> <p>II. Similar works mean works including "Construction of Underground Water Tank and Barbed Wire Fencing of Zonal Office Boundary Wall at Guwahati"</p> <p>III. Out of the above said completed works, the contractor should have completed in Central / State Govt. / Autonomous Body / PSU / Bank / Financial Institutions / Govt. Educational institutes etc.</p> <p>Must have valid PAN and GST registration numbers.</p>
Integrity Pact	Each participating bidder shall submit duly signed attached Integrity Pact in Technical bid envelope at the time of submission of bid.

- Technical Bids received without enclosure of tender fee and Earnest Money Deposit or without photocopy of MSME registration certificate will be summarily rejected.
- Successful bidder including MSME has to submit bid security of 2% of final quoted amount in the form of account payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee.
- Commercial bid shall be accepted through Offline Mode.
- Price bids of the contractor fulfilling eligibility criteria shall be opened.
- Tender received after the last date for submission will not be considered.
- Unsealed tenders received are liable for rejection.
- Addendums/Amendments/Corrigendum issued if any to this NIT/ Tender Document shall be part of this tender NIT/Tender Documents and shall be published in our web sites specified above. It is Bidders responsibility to keep themselves updated on any such Addendums/Amendments/Corrigendum published on our Bank's website.

Zonal Head

Zonal Office GUWAHATI

APPENDIX REFERRED TO IN THE GENERAL CONDITIONS

1.	Defects liability period	12 Months from the date of issue of virtual completion and handing over the site to Bank
2.	Date of commencement	Immediate on receipt of work order./ Handing over the site
3.	Date of Completion	90 Days from issue of Letter of intent./Work order/Acceptance of works.
4.	Minimum value of work done for interim payment	Only one interim Bill of 50% of the work Order Value.
5.	Payment Terms	<p>1. No advance</p> <p>2. Interim Payment 50% - Only one interim bill claim of 50% of the Work Order Value</p> <p>3. Final Bill settlement within 30 days from the date of proper submission of satisfactory work completion from Civil Engineer or Bank's Official (BSD). All required documents and joint verification of measurements at site.</p>
6.	Security Deposit	Successful bidder including MSME has to submit bid security of 2% of final quoted amount in the form of account payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee.
7.	Retention money for defects liability period	3% of the total value of work.
8.	Liquidated damages for non-completion of work within stipulated period.	0.25% per day subject to maximum of 5% of contract value.
9.	Validity of the Tender	90 days from the last date of opening of the Tender.
10.	Deduction	<p>1. Income Tax at source as per Income Tax Rules Sales Tax /GST/ Works Contract Tax/ Commercial Tax as applicable in the statement.</p> <p>2. Cess applicable as per the local rules</p> <p>3. Any other Levy/Cess/Tax to be deducted at source by law.</p>
11.	Period for honoring final payment	30 working days after the submission of the satisfactory work completion from Branch manager and Bank's civil engineer.

12.	Validity of Rates	The quoted Rates in the Tender shall remain valid till the completion of the work. No escalation in rates shall be allowed.
13.	Extra Items	The contractor shall not execute the item for which the rate cannot be derived from the Tender. He shall submit the Rate analysis for such item on actual cost plus 15% as overheads, establishment charge and contractor's profit, and get it approved by Architect/Employer before starting the work of such items.
14.	Measurement	On completion of work all contractor shall give detailed measurements/circuit diagram/List of materials used Test reports duly signed and sealed.
15.	Hidden Items	All hidden measurements must be got checked/ recorded before concealing.
16.	No deviation of material	All material and makes shall be as per specifications any deviation will not be accepted without written permission of Architect/Bank

CONTRACTOR
Seal and signature

Information to be furnished by the Application					
1	Name of the organization				
2	Registered Office details (Submit firm registration certificate)	Registration number		Date of registration	
		Postal Address			
		Telephone Nos.			
		E-mail Address			
3	Financial Strength- Average Annual Turnover & Profit in Rs.		Turnover(Rs.)	Profit(Rs.)	
		FY-2019-20			
	(Submit attested copy of ITR, balance sheet audited & certificate by Chartered Accountant)	FY 2020-21			
		FY 2021-22			
4	Details of similar work executed		Works	Place of work	Amount (Rs.)
	(Submit completion certificate of similar works mentioned in eligibility criteria with details in separate sheet)	1			
		2			
		3			
5	PAN Number (Submit copy of PAN)				
6	GST (Submit copy of PAN)				
7	MSME Registration No.				

Declaration:

I/we hereby submit the information in your prescribed pro-forma and understand that if any information is found to be false at a later date, contract / order made between us and Central Bank of India will be treated as invalid. I/We agree that the decision of Central Bank of India in selection will be final and binding on me/us. All the information furnished in the attached sheets is correct to the best of my/our knowledge. Bank shall have the authority to verify all the information provided by me/us. **All supporting documents shall be provided by me/us in authenticity of the information furnished.** I/We agree that I/We have no objection if inspection of my/our premises/workshop, shop etc. is done by the officials of the Bank.

Date:

Place:

Signature

Name:

Stamp:

FORM OF TENDER

To
Zonal Head
Zonal Office GUWAHATI
Central Bank of India

Dear Sir

With reference to the tender invited by you for the work. I/We hereby offer to execute the work under contract at the respective rates mentioned in the schedule of quantities.

I/We have seen the site and understood the general conditions of contract, special conditions, and additional conditions.

I/We have agreed to obtain all permission from concerned Municipal Corporations/Authorities of GUWAHATI related to building repairs at my/our own cost.

I/We know all the rules related to building repairs of Municipal Corporations/Authorities of GUWAHATI and we will ensure the compliances of the same. If any violation is being done during execution of the work then all the penalties if imposed by any civil authorities, same will bear by us.

I/We agree to execute the work as per specifications, general conditions of contract, special conditions, and additional conditions.

I/we do hereby agree that the sum shall be forfeited by the bank in event our tender is accepted &

I/We fail to execute the contract when required to do so.

I/we understand that you are not bound to accept the lowest or any other tender that you received.

Yours faithfully/ भवदीय

Signature of contractor / ठेकेदार के हस्ताक्षर

GENERAL INSTRUCTION TO CONTRACTORS

Sealed tenders should be address to Zonal Head, Central Bank Of India, Zonal office, GUWAHATI super scribed Name of work.

“Construction of Underground Water Tank and Barbed Wire Fencing of Zonal Office Boundary Wall at Guwahati”

1. No tender will be accepted after **14.00 Hrs. on Date: 19.06.2023** under any circumstances whatsoever.
2. The contractors are not expected to include any conditions contrary to tender provisions.

MODE OF SUBMISSION OF TENDER: The tender shall be submitted in accordance with the procedure detailed herein.

A. Submission OF Tenders:

Specified documents shall be sealed in envelope (Technical bid) of appropriate sizes and envelope should be properly super scribed as:

Envelope no. 1 Technical Bid shall contain: -

- i) DD of Rs.1000.00 as Tender Fee or Photocopy of MSME Registration Certificate
- ii) DD of Rs. 15,000.00 as EMD or Photocopy of MSME Registration Certificate
- iii) Supporting documents mentioned in eligibility criteria, other required documents and duly signed **integrity Pact.**

Commercial bid:

Commercial bid shall be accepted on **Offline mode only**

B. OPENING OF TENDERS:

The sealed Envelope no. 1 containing the tender fees / EMD /MSME registration certificate (In case) /documents shall be opened in the office of **Business Support Department, Zonal Office GUWAHATI, 2nd floor, Bhangagarh, Guwahati, 781005, at 16:00 Hrs. on Dt: 19.06.2023** in presence of Tender Opening Committee and authorized representatives of tenderers.

If the tender fees/earnest money deposit and other information / documents called for are not found as prescribed form/format, the tender shall be rejected. For MSME Contractors, Attachment of MSME Registration Certificate

The tender which is found suitable technically as well as financially whose past performance is found satisfactory to carry out works of similar nature and magnitude as per the details submitted by them and who have fulfilled all other requirements as mentioned in the tender will be considered for opening of Commercial Bid.

The commercial bid of rejected tenderers keeping in view the Envelope no. 1 will not be opened and E.M.D. without interest will be returned to them as soon as the bank takes any decision to this effect.

The selected contractors will be intimated by the bank regarding opening of the commercial bid. The tenderer or his authorized representative who is competent to take on the spot decision in the matter should be physically present.

After opening the envelope containing the offer on the standardized conditions and opening of the priced tender, no correspondence / revised offer whatsoever may be in nature, will be entertained.

The tender shall remain open for acceptance by the bank for a period of 3 (three) months from the date of opening of the commercial bid which may be extended further by mutual agreement and the tenderer during validity period failing which EMD will be forfeited.

The tenderer must use only the tender forms/documents issued by the Bank. If given space falls short for furnishing the information / separate sheet may be added duly signed by the contractors.

The bank reserves the right to reject or select the tender for opening the priced tender and also the bank will not be bound to accept the lowest tender and reserve the right to accept or reject any or all the tenders without assigning any reason whatsoever.

The time allowed for the completion of work will be 90 Days from the date of issue of work order.

The contractor should quote in figures as well as in words the rate, the amount tendered by them. The amount for each item should be worked out and requisite totals given.

The acceptance of the tenderer will rest with the bank which does not bind itself to accept the lowest tender, and reserves to itself the authority to reject any or all the tenders received without assignment of a reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

Canvassing in any form with tenders is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be liable to rejection.

An item rate tender containing percentage below / above will be summarily rejected.

On acceptance of the tender, the name of the accredited representative(s) of the contractor who would responsible for taking instructions from the Employer / Architect shall be communicated to the Employer.

The bank does not bind itself to accept the lowest or any tender and reserves to itself the right of accepting the whole or any part of the tender and the tender shall be bound to perform the same at the rate quoted.

No employee of the bank is allowed to work as a contractor for a period of two years of his retirement from bank. This contract is liable to be cancelled if either the contractor or any of his employee 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.

The tender shall not be witnessed by a contractor or contractor who himself / themselves has / have tendered for the same work. Figure to observe this condition would render tender of the contractor tendering as well as witnessing the tender the tender liable to summary rejection.

It will be obligatory on the part of the tenderer to sign the tender documents for all the component parts and that, after the work is award, he will have to enter in to an agreement for each component with the competent authority in the bank.

Prices quoted by the tenderer should include all taxes, local taxes, octroi, sales tax, excise duty, sales tax on work contract etc. materials, labour, delivery, installation charges etc. but **excluding GST**. No extra will be paid on any account.

Prices quoted by the tenderer shall remain firm during execution of the work and no escalation on quoted rates shall be entertained on account of variation in the prices of raw materials, labour, taxes and any Government levies etc.

Sales tax or any other tax on material or on finished work like work's contract tax, turn over tax etc. in respect of this contract shall be payable by the contractor and the bank will not entertain any claim what so ever in this respect.

The Contractor has to supply and adhere to the specific makes and specifications of all the items, which are mentioned in the tender.

The contractors would use all the materials for various items strictly as per enclosed list of approved brands and makes and he should justify the purchase of all the materials to the Architect's and Bank's Engineer's satisfaction.

All quantities indicated in tender are approximate & are likely to change. Contractor must take actual measurement at site, before starting the work.

Billing to be done as per actual measurement of work done at site. Measurement of work should be taken as per I.S. 1200.

The contractor is instructed of get approval of all the material, fixtures, color and shade before starting the work. If required, he should provide different sample of materials for approval, before execution of work. Contractor is strictly instructed to get it approved the Samples of each and every item before putting the finishing material on it.

No changes in the design should be done without any discussion with the Architect and for any clarification, the architects may be contacted.

Rates quoted in tender should be inclusive of all taxes, transportation, loading/unloading, stacking, safe keeping etc. but **EXCLUDING GST**.

Work has to be got executed at site in co-ordination with various other agencies.

Some of the above items may not be operated at all. It will be Bank's discretion. Contractor cannot claim any charges/compensation for non-operation of any items.

In case the supplier found using substandard material or non-specified product or not giving top class quality of finish, serious action will be taken including rejection of the entire furniture.

If the tenderer has a relative employed in any capacity with the Bank, he shall inform the authority calling the tenders of the fact when submitting his tender.

No addition of extra work outside the contract, however petty, may be carried out except under in accordance with a duly executed agreement or on a special written authority from duly authorized officer of the Employer.

No agreement is valid unless signed by the contractor or his duly authorized agent and by a competent person on behalf of the employer.

Tender, invitation to tender, form of tender, instruction to tenderers, General condition of contract, special condition contract, agreement, specification, Drawings, Time schedules, and the rates and the amount quoted against the item of the tender schedule together with the letter of Intent awarding the work shall form the contract. If there is any conflict between any of provisions in the special conditions and any of other documents refund, the provision in the special conditions of contract shall prevail.

Similarly, if there be any difference between the description in the specification and drawings and works item in the schedule of quantities, the description in the schedule of quantities shall prevail.

Signature of Contractor & Seal.

GENERAL CONDITIONS OF CONTRACT

1. Each Tenderer must before submitting his tender, visit the site of works so as to ascertain the physical site conditions, availability and quality of materials according to Specifications before submitting the quotations.
2. The Contractor shall inspect and examine the site and its surrounding and shall satisfy himself before submitting his tender as to the form and nature of the site, the quantities and nature of access to the site, all type of risks, contingencies and other circumstances which may influence or affect his tender.
3. The successful tenderer will not be entitled to any claim of compensation for difficulties faced or losses incurred on account of any site condition which existed before the commencement of the work or which in the opinion of the Bank might be deemed to have reasonably been inferred to be so existing before commencement of work.
4. The Contractor have to satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of work/items/quantities / Bills of Quantities, which rates and prices shall cover all his obligations under the Contract and all matters and things necessary for proper completion and maintenance of the works. No extra charges consequent on any misunderstanding or otherwise shall be allowed.
5. Prices quoted by the tenderer should include all taxes, local taxes, octroi, sales tax, excise duty, sales tax on work contract etc. materials, labour, fluctuation of rates, delivery, installation charges etc. but **EXCLUDING GST**. no extra will be paid on any account.
6. **Quoted rates shall be exclusive of GST.**
7. Rates quoted in tender should be inclusive of scaffoldings, tools & plants, transportation, loading/unloading, stacking, safe keeping etc. or any other expenditure for carrying out the work.
8. No escalation in rates will be allowed under any circumstances.
9. Joint tenders shall not be considered.
10. Conditional tenders quoted by the tender is liable to be rejected.
11. The Bank reserves the right to rejected any or all the tenders, accept part of any tender or entrust the entire work to any contractor or divide the work to more than one contractor (item wise) without assigning any reason or giving any explanation. The rates quoted by the contractor will hold good for this bifurcation and no compensation will be paid on this account.
12. The tenders will remain valid for a period of 3 months from the date of opening of tenders, Bank reserves the right to accept or reject any or all the tenders without assigning any reason to do so. Bank does not bind itself for accepting the lowest tender.
13. All items of work described in the schedule of quantities are paid only after completion of that work in all respects and as per given specifications.
14. The work is to be executed in accordance with the specifications, schedule of quantities, drawings, and any further instructions/drawings, which may be given by the Bank during the execution of work. All drawings related to the work given to the contractor together with a copy of schedule of quantities/BOQ are to be kept at site and the Bank shall be given access to such drawings of schedule of quantities/BOQ

whenever necessary. In case any detailed drawings are necessary contractor shall prepare such detailed drawings with dimensional sketches therefore and have it confirmed by the Bank prior to talking up such work. The contractor shall ask in writing for all clarifications/approvals on issues arising anywhere in drawings, specifications and schedule of quantities or to additional instruction at least 1 week ahead from the time for execution.

15. Bank has right to omit any of items of schedule of rates. It will be Bank's discretion. Contractor cannot claim any charges/compensation for non-operation of any items.
16. **TENDERS:** The entire set of tender paper issued to the tenderer should be submitted Initial / signature every page. Initial / signature will indicate the acceptance of the tender papers by the tenderer. No modifications, writings or corrections can be made in the tender papers by the tenderer.

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

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

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

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

The Bank has power to add to, omit from any work as shown in drawings or described in specifications or include in schedule of quantities and intimate the same in writing but no addition, omission or variation shall be made by the contractor without authorization from the Bank. No variation shall vitiate the contract. The tenderer shall note that his tender shall remain open for consideration for a period of six months from the date of opening of the tender (Price Bid).

17. **EXTRA ITEMS:** The Contractor shall not commence work in respect of any extra items/deviations without obtaining the approval of the Bank in writing. The Contractor shall instantly submit the rate analysis for such items with necessary details to support the rate quoted. The rate shall then be settled by the Bank and necessary certificate based on this shall be given to Bank while incorporating the item in the Bill. The rates will be worked out on actual cost of material and labor, any other expenditure for completing that work plus 15% towards contractor's profit & overheads. For this contractor must submit the rate analysis supported by original vouchers for purchase and labor.
18. The successful tenderer is bound to carry out items of work necessary for completion of job even though the same are not included in the schedule of quantity. Rates of extra items will be derived from the tender. In case the rates do not exist in the tender and extra item is not similar to tender item, then the rates will be worked out as mentioned above.
19. **VARIATION IN SCHEDULE OF QUANTITIES** - Variation in tender quantities in this tender are subject to any variation by way of addition, reduction or deletions of the items or quantities. No compensation whatsoever will be paid for such variations.

20. **AGREEMENT:** The successful contractor will be required to sign agreement in accordance with the draft agreement form enclosed and the schedule conditions. The contractor shall pay for all stamps and legal expenses, incidental thereto. However the written acceptance by the employer of a tender will constitute a binding contract between the employer and the person so tendering whether such formal agreement is or is not subsequently executed.
21. **PERMITS AND LICENSE:** The contractor will arrange permits and license for materials whenever/wherever required at his own cost.
22. **GOVERNMENT AND LOCAL RULES:** The contractor shall conform to the provision of all-local-by-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 propose to be connected. The contractor shall give all notices required by said act, rules, regulations and by-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 in to account all liabilities for license, fees for footpath encroachment and restorations etc. and shall indemnify the Bank against liabilities and shall defend all actions arising from such claims or liabilities.
23. The contractor must co-operate with other contractors appointed by the Bank so that entire work shall proceed smoothly with least possible delay and to the satisfaction of the Bank.
24. **EARNEST MONEY DEPOSIT-**The Contractor will have to deposit an amount of Rs. 15, 000.00 in the form of bank draft in favor of Central Bank of India, payable at GUWAHATI at the time of submission of tender as earnest money. The employer is not liable to pay interest on earnest money. For MSME contractor attachment of photocopy of MSME registration certificate is mandatory.

All unsuccessful tenders will be returned without any interest soon after the decision to award work is taken or after the expiry of the validity period of the tender.

25. **SECURITY DEPOSIT** -The successful Tenderer including MSME category to whom the Contract is awarded shall deposit as initial security deposit by Demand draft, fixed deposit receipt, Bankers Cheque or Bank Guarantee a sum to make up 2% of the value of the accepted tender. In case of Non MEME contractor 2% security deposit shall be after the appropriation of the Earnest Money deposited by him.

The successful Tenderer shall pay security deposit within Ten days after receiving the letter of acceptance of his tender. No interest shall be paid on this security deposit.

The security deposit, either in whole or in part thereof, shall be forfeited in the event of the Contractor's failure to observe any terms of this Contract/or non-compliance with the conditions of the Contract.

26. **TOTAL RETENTION MONEY** –Total 3% value of work done shall be deducted as retention money during payment of bill. Retention amount will be released upon completion of defect liability period of 12 months starting from the date of Virtual Completion of work and after adjusting all dues if any from the contractor.

Date of virtual Completion is the date when awarded work is sufficiently completed to the satisfaction of Bank and suitable for occupying and also as per terms & conditions mentioned in the tender.

27. **ACCESS TO WORKS:** The Bank and any person authorized shall at all reasonable times have free access to the works and to the workshops, Factories or other places where materials are being prepared or constructed for the Contract and also to any place where the materials are lying or from which they are being obtained. The Contractor shall give every facility to the Bank and their representatives for inspection and examination and test of the materials and workmanship. Contractor shall provide

everything necessary to access the quality of work. Contractor shall provide everything necessary (measuring tape, ladder, platform etc.) to access the measurement and quality of works.

28. **CONTRACTOR TO PROVIDE ALL EVERYTHING NECESSARY FOR WORKS:** The contractor shall supply, fix and maintain at his own cost, for the execution of any work, all tools, tackles, machinery's and equipment's and all the necessary centering, scaffolding, staging, planking, timbering, stuffing, 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 said work but also for the protection of the public and safety of any adjacent roads, streets, wards, houses, buildings all other erections, matters and things and the contractor shall take down and remove any or all such centering, scaffolding, planking, timbering, strutting, shorting etc., as occasions shall be required or when ordered so to do, and shall fully reinstate and make good all matters and thing disturbed during the execution of works to the satisfaction of the employer/architects.
29. The contractor shall at all times given access to workers employed by the Bank or any authorized employed on the buildings and to provide such parties with proper sufficient and if required, special scaffolding, hoists and ladders and provide them with water and lighting and leave or make any, holes, grooves etc. in any work where directed by the Bank as may be required to enable such workmen to lay or fix pipes, electrical wiring, special fitting. The quoted rates of the tenders shall accordingly include all these above-mentioned contingent works.
30. **TIME OF COMPLETION:** Time for completion of works shall be three month after hand over of site. The entire work is to be completed in all respects within the stipulated period. The work shall be commenced within seventh day from the date of handover of site. Contractor has to strictly adhere with the timeline of tender.
31. **LIQUIDATED DAMAGES:** The successful tenderer is bound to carry out entire work within the period stipulated in the Appendix. The tenderer will have to pay liquidated damages for non-completion of job within stipulated period at the rate of 0.25% per day after expiry of period of completion subject to maximum of 5% of the contract value.

The liquidated damages as mentioned above may not be enforced if the contractor applies sufficiently in advance for extension of time mentioning the unavoidable reasons for extension. The Bank shall, if in its opinion (which shall be final and binding upon the contractor) finds genuine reasons shown by the contractor for such request, grant suitable extension in time limit. Any claim for damage or compensation in relation there to by contractor is not permissible. Also other terms and conditions of the contract will remain unaltered in the extended period.

32. **MATERIALS, WORKMANSHIP, SAMPLES, TESTING OF MATERIALS:** All the works mentioned in the tender or approved extra items are required to be executed in the best and most workmanship manner with materials of the best and approved quality of the respective kinds in accordance with at the particular BOQ specifications, methods/specifications/applications given by manufacturer, instructions and per drawings or as per Bank's instructions during the execution of the work and to Bank's entire satisfaction.

If required by the Bank, the contractor shall have to carryout tests on materials and workmanship at site and at approved materials testing laboratories or as prescribed by the Bank at his own cost to prove that material etc., under test conform to the relevant I.S. Standards or as specified in the specifications.

The work must be done in the best workmanship manner. Samples of all materials to be used must be submitted to the Bank and written approval to be obtained from Bank prior to its application at site.

33. **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 workmanship not in accordance with the drawings and specifications or instructions. In case the contractor refuses to comply with the order the Employer shall have the power to employ and pay other agencies to carry out the work and all expenses consequent.

The work is liable to be technically examined and audited by the Bank/ Chief Technical Examiner of Central Vigilance Commission, Govt. of India from time to time. Any defects/ improvements or testing etc. pointed out by the Bank/ Chief Technical Examiner/ Technical Examiner should have to be carried out by the contractor at his own cost and any deductions suggested by the Bank/CTE/ TE will be affected from the amount payable to the contractor or from his security deposit etc.

34. **CONTRACTOR'S EMPLOYEES:** The contractor shall employ technically qualified and competent supervisors for the work shall be available (by turn) throughout the working hours to receive and comply with instructions of the Bank. The contractor shall engage at least one experienced engineer as site in charge for execution of the work.

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

The contractor shall comply with the provisions of all labor legislation including the requirements of (a) the payment of wages act.

(b) Employer's liability act.

(c) Workmen's compensation act.

(d) Contract labor (regulation & abolition) act, 1970 and central rules 1971.

(e) Apprentices act. 1961.

(f) Any other act or enactment relating thereto and rules framed hereunder from time to time.

The contractor shall keep the employer saved harmless and indemnified against claims if any of the workmen and all costs and expenses as may be incurred by the employer in connection with any claim that may be made by employed workmen. The contractor shall comply at his own cost with the order of requirement of any health officer or any local authority or the Bank. Contractor shall provide facilities for pure drinking water, sanitation, first aid 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.

35. **DISMISSAL OF WORKMEN:** The contractor shall immediately dismiss from works any person employed thereon by him on the request of the Bank. Who may in opinion of the Bank is unsuitable or incompetent or who may misconduct himself. Such discharge shall not be the basis of any claim for compensation or damages against the employer or any of their chief officer or employee.
36. **ASSIGNMENT:** The contractor shall execute the all the works included in the contract. Contractor shall not directly or indirectly transfer, assign or underwrite the contract or its any part.
37. **DAMAGE TO PERSONS AND PROPERTY INSURANCE ETC.** The contractor shall be responsible for all injury to the work or workmen to persons, animals or things and for all damages to the structural and/or decorative part of property which may arise from the operations or neglect of himself or of any sub-contractor or of any of his or a sub-contractors employees, whether such injury or damage arise from carelessness, accident or any other cause whatsoever in any way connected with the carrying out of this contract. The clause shall be held to include inter-alia, any damage to buildings whether immediately adjacent or otherwise, and any damage to roads, streets, foot paths or ways as well as damages caused to the buildings and the works forming the subject of this contract by rain, wind or other inclemency of the weather. The contractor shall indemnify the Bank and hold harmless in respect of all and any expenses arising from any such injury or damages to the person or property as aforesaid and also in respect of any claim made in respect of injury of damage under any acts on compensation or

damage consequent upon such claim. The contractor shall reinstate all damages of every sort mentioned in this clause so as to deliver the whole of the contract works complete and perfect in every respect and so as to make good or otherwise satisfy all claims for damages to the property of third parties. The contractor shall affect the insurance necessary and indemnify the Employer entirely from all responsibility in this respect. The insurance must be placed with a company approved by the Bank and must be effected jointly in the name of the contractor and Bank and the policy lodged with the letter. The scope of insurance is to include damage or loss to the contract itself till this is made over in a complete state. Insurance is compulsory and must be affected from the very initial stage. The contractor shall also be responsible for anything which may be excluded from damage to any property arising out of incidents, negligence or defective carrying out of this contract. The Bank shall be at liberty and is hereby empowered to deduct the amount of any damages, compensations, costs, charges and expenses arising or accruing from or in respect of any such claim or damages from any sums due or to become due to the contractor.

38. **INSURANCE:** 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 earthquake, flood, wars, storms etc. The insurance must be placed with a company approved by the Bank, in the joint names of the Bank and the contractor (the name of former being placed first in the policy) for full amount of contract and for any further sum if called to do so by the Bank, the premium of such being allowed to the contractor as an authorized extra. 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 fire has not occurred and in all respects under the conditions of the contract. The contractor in case of rebinding or reinstatement after fire shall be entitled to extension of time for completion as the Bank may deem fit.
39. **ACCOUNTS RECEIPTS & VOUCHERS:** The contractor shall, upon the request of the Bank furnish them with all the invoices, accounts, receipts and other vouchers that they may require in connection with the works under this contract. In case of any discrepancies, the decision of the Bank shall be final and binding on the contractor.
40. **MEASUREMENTS:** Before taking any measurement of any work the Bank's Engineer or a subordinate deputed by him shall give reasonable notice to the contractor. If the contractor fails to attend at the measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the Bank's Engineer then in any such event the measurements taken by the Bank's Engineer or by the subordinate deputed by him as the case may be is final and binding on the contractor and contractor shall have no right to dispute the same.
41. **PAYMENTS:** All bills shall be prepared by the contractor in the form prescribed by the Employer/Architects. One interim bill shall be prepared beyond 50% work completion. The interim bill claim of 50% of the Work Order Value in proper forms must be duly accompanied by detailed measurements in support of the quantities or work done and must show deductions for all previous payments, etc., It is deemed that the vendor has agreed to the deduction of 5% from the 'Interim Payment' towards the 'Retention money, which will be returned as per the relevant Clauses in the agreement. All bills shall be prepared by the contractor in the form prescribed by the Bank. The Bank's Engineer shall issue a certificate after due scrutiny of the contractor's bill stating the amount due to the contractor from the Bank and the contractor shall be entitled to payment thereof, within the period of honoring certificates named in these documents.

The amount stated in an interim certificate shall be the total value of works which is properly completed and executed as per specifications and up to Bank's satisfaction. Any items which are under progress shall not consider in the Bills. The Bank will deduct retention money of these conditions. The

refund of retention money will be made as after completion of defect liability period. If the Bank has supplied any materials or goods to the contractor, the cost of any such materials or goods will be progressively deducted from the amount due to the contractor in accordance with the quantities consumed in the work. All the interim payments shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the requiring of bad, unsound, and imperfect or unskilled work to be removal and taken away and reconstructed, or re-erected or be considered as and 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 any way 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 or of the date of certificate of completion furnished by the Architect/Bank and payment shall be made within three months. No mobilization advance or secured advance on materials or any other advance will be granted by the Bank.

42. **FINAL PAYMENT:** The final bill shall be accompanied by a certificate of completion from the Bank. Payments of final bill shall be made after deduction of Retention Money, which sum shall be refunded after the completion of the Defects Liability Period after receiving the Bank's user department certificate that the contractor has rectified all defects to the satisfaction of the Bank. All payments, interim bills already made to the contractor shall also deduct in the final payment. The acceptance of the payment of the final bill by the contractor would indicate that he will have no further claim in respect of the work executed. The employer shall have a right to cause technical examination and audit of the works and the final bill of the contractor including all supporting vouchers, abstracts, etc., to be made at the time of payment of final bill. If as a result of this examination or otherwise any sum is found to have been overpaid or over certified, it shall be lawful for the employer to recover the same from the contractor from any sum due to him.
43. In case, after completion of the work and final payment to the contractor, it is found on account of General Audit, Technical audit and or any other reason whatsoever that any amount is recoverable from the contractor, it shall be lawful for the employer, to recover the same from any sum whatsoever payable by the Bank to the contractor either in respect of this contract or any other contract or on any other account by any other branch/department of the employer.
44. **SITE MEETINGS:** Site meetings will be held to review the progress and quality evaluation. The contractor shall depute a senior representative along with the site representative and other staff of approved sub-contractors and suppliers as required to the site meetings and ensure all follow up actions. Any additional review meetings shall be held if required by the architect/ consultant.
45. **SUBSTITUTION:** Substitution should be 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 as to be obtained in writing. Decision of the Bank will be final.
46. **PREPARATION OF OFFICE SPACE FOR OCCUPATION AND USE ON COMPLETION:** The whole of the work will be thoroughly inspected by the contractor himself and deficiencies and defects put right. On completion of contractor's inspection, the contractor shall inform the Bank that he has completed the work and it is ready for inspection by the Bank.
47. **CLEARING SITE ON COMPLETION:** On completion of the works the contractor shall clear away and remove from the site all tools & plant, surplus materials, rubbish and temporary works of every kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the Bank. The rate quoted by the contractor shall include all such contingencies.

On completion the contractor shall clean all windows and doors including the cleaning and oiling if necessary, of all hardware, inside and outside, all floors, stair-cases, and every part of the building. He will leave the entire building neat and clean and ready for immediate occupation and to the satisfaction of the Bank.

48. In Between execution of works, if it is found by the Bank that dumped material are making difficulties in movement of public, then contractor has to remove/shift that material from that place immediately.
49. **DEFECTS AFTER COMPLETION:** The contractor shall make good at this own cost and to the satisfaction of the Bank all defects, shrinkage, settlements or other faults which may appear within 12 months after completion of the work- In default the Bank may employ and pay other persons to amend and make good such damages, losses and expenses consequent thereon or incidental thereto shall be made good and borne by the contractor and such damages, loss and expenses shall be recoverable from Contractor by the Bank .
50. **CONCEALED WORK:** The contractor shall give due notice to the Bank whenever any work is to be buried in the earth, enclosed or in the bodies of walls/partition or otherwise becoming in accessible later on, in order that the work may be inspected and correct dimensions taken before such burial, in default where of the same shall, at the opinion of the Bank be either opened up for measurement at the contractor's expenses or no payment may be made for such materials Should any dispute or differences arise after the execution of any work as to measurements etc. or other matters which cannot be conveniently tested or checked the notes of the employer/ architects shall be accepted as correct and binding on the contractor.
51. **ESCALATION:** The rate quoted shall be firm throughout the tenure of the contract including extension of time, if any, granted and will not be subject to any fluctuation due to increase in cost or materials, labour, sales tax, octroi, etc. (EXCLUDING GST).
52. **SIGNING OF TENDER:** The tender shall contain the name residence and place of business of person or person making the tender and shall be signed by the contractor with his usual signature. Partnership firms shall furnish the full name of all partners in the tender. It should be signed in the partnership name by all partners or by duly authorized representative followed by corporation shall be signed by an authorized representative, and in power of Attorney in that behalf shall accompany the tender. A copy of constitution of the firm with names of all partners shall be furnished.
53. **TRANSFER OF TENDER DOCUMENTS:** Transfer of tender documents purchased by one intending contractor to another is not permitted.
54. **SPECIAL CONDITIONS OF CONTRACT:** Special condition of contract shall be read in construction with the general conditions of contract, specifications of work, Drawings and any other documents formed part of this contract where the context so required. Notwithstanding the sub-division of the documents into these separate sections and volumes every part of each shall be deemed to be supplementary to the complementary of every other part and shall be read with and into the contract so far as it may be practicable to do so. Where any portion of the General Conditions of Contract it repugnant to or at variance with any provisions of the Special Conditions of Contract, then unless a different intention appears, the provisions of the special conditions of contract shall be deemed to override the provisions of the General Conditions of Contract and shall, to the extent of such repugnancy of variations.
55. **RIGHTS OF BANK TO FORFEIT SECURIT DEPOSIT:** Whenever any claim against the Contractor for the payment of a sum of money arises out of or under the contract, Bank shall be entitled to recovery such sum by appropriating in part or whole, the security deposit of the contractor, and to sell Government securities, etc. forming whole or part of such security. In the event of the security

being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable, as the case may be, shall be deducted from any sum then due or which at any time there after any become due to the Contractor under this or any other contract with the Bank and should this be not sufficient to cover the recoverable amount the contractor remaining due.

56. ACTION WHEN WHOLE OF SECURITY DEPOSIT IS FORFEITED: In any case in which under any clause or clauses of this contract the contractor shall have forfeited the whole of his security deposit (whether paid in one sum or deducted by installments) or have committed a breach of any of the terms contained in this contract Employer shall have power to adopt any of the following courses as they deem best suited to its interest.

- a. To rescind the contract of which rescission notice in writing to the contractor under the hand of the Site Engineer shall be conclusive evidence in which case the security deposit of the contractor shall stand forfeited and be absolutely at the disposal of Bank.
- b. To employ labor paid by Bank and to supply material to carry out the work or any part of the work debiting contractor with the cost of labor and the price of the materials of the amount of which cost and price, a certificate of the Bank's Civil Engineer shall final and conclusion against the contractor, and credit by him with the value of the work done, in all respect and same manner and at the same rates as if it had of carried out by the contractor under the terms of his contract. The certificate of the Bank's Civil Engineer to the value of the work done shall be final and inclusive against the contractor.
- c. Unexecuted jobs to give is to another contractor to complete, which case may expenses which may be incurred in excess the sum which would have been paid to the original contractor had the work been executed by him shall borne and paid by the original contractor and may deducted from any money due to him otherwise or from his security deposit or retention money or from the proceeds of sale thereof, or a sufficient thereof.

57. The event of any of the above course being adopted by the Bank, the contractor shall have no claim compensation for any loss sustained by him be reason his having purchased or procured any material or bear on to any advances on account of or with a view the execution of the work or the performance of the contract.

58. EXECUTION OF WORKS: All the works shall be executed in strictly as per the provisions of the contract and according to detailed drawings, specifications and instructions as may be furnished from time to time to contractor by the Bank whether mentioned in the contract or not. The contractor shall be responsible for ensuring that works are executed in the most substantial proper workmanship in strictly as per specifications and to the satisfaction of the Bank. Wherever it is mentioned in the specifications that the contractor shall perform certain work or provide certain facilities/ materials, it is understood that the contractor shall do so at his cost. The materials, design and workmanship shall satisfy the relevant Indian Standards, the job specifications contained herein and codes referred to. In case certain jobs are not having any Indian Codes, that job shall be executed according to instruction and Bank's satisfaction.

59. SCHEDULE OF RATE TO COVER CONSTRUCTIONAL PLANT, MATERIALS, LABOUR, ETC.

Rates quoted by the contractor shall include and cover the cost of all constructional plant, temporary works (except as provided for herein) pumps, materials, labor, insurance, fuel, stores, etc.

60. SCHEDULE OF RATES TO COVER ROYALTIES, RENTS AND CLAIMS: Quoted rates shall include the cost of all royalties and fees for all articles, processes, protected by letters, patent or otherwise incorporated in or used in connection with the works, also all royalties, rents and other payments in connection with obtaining materials of whatsoever kind for the works and shall include an indemnity to Bank which the contractor hereby give against all actions, proceedings, claims, damages,

costs and expenses arising from the incorporation or the use on the works of any such articles, processes or materials Octroi or other municipal or local Board charge, if levied on materials, equipment or machinery's to be brought to site and removed from site for use on work or after completion of the work, shall be borne by the contractor.

61. **PROCEDURE FOR MEASUREMENT & BILLING OF WORK IN PROGRESS MEASUREMENTS:** All measurements shall be as unit mentioned in the Price Bid. All the works executed at site shall be recorded in the measurement book/sheet by the contractor. For the purpose of taking joint measurement the contractor's representative shall be bound to be present whenever required by the Site Engineer. Bank's Civil Engineer or his representative will take measurements and this will be deemed to be correct, and binding on the contractor. Works that are likely to be covered up by subsequent operations should be got measure before such covering up, failing which such covered works may be liable for not being measured.
62. **BILLING:** The contractor will submit a bill in approved Performa in triplicates to the Bank along with detailed measurement for the various items executed during a month.
63. **DISPUTE ABOUT MODE OF MEASUREMENT:** In case of any dispute, mode of measurement as per Indian Standard Specification No. 1200 shall be followed.
64. **RECEIPT FOR PAYMENT:** Receipts for payments made on account of executed work, must be signed by a person holding due power of attorney in this respect on behalf of the contractor, except when the contractor is described in his tender as a limited company in which case the receipts must be signed in the name of the company by one of its Principal officers or by some other persons having authority to give effectual receipt for the company. The Bank shall have the right to cause a technical examination of the works and final bill of contractor including all supporting vouchers, abstracts, etc., to be made at the time of payment of the final bill. If is a result of this examination or otherwise any sum found to have been overpaid or over certified, it shall be lawful for the Bank to recover the sum.
65. In case, after completion of the work and final payment to the contractor, it is found on account of General Audit, Technical audit and or any other reason whatsoever that any amount is recoverable from the contractor, it shall be lawful for the employer, to recover the same from any sum whatsoever payable by the employer to the contractor either in respect of this contract or any other contractor on any other account by any other branch/department of the Bank.
66. **PHOTOGRAPHS:** The Contractor shall at his own expense supply to the Architects with duplicate hard copies of large photographs not less than 25 cm. x 20 cm. (10" x 8") of the works, taken from two approved portions of each building, at intervals of not more than one months during the progress of the work or at every important stage of construction. In addition to above, the contractor shall be bound to submit adequate no. of site photographs along with each Bill for the project clearing showing major progress of work measured and claimed therein failing which the Bank may consider returning the Bill to the contractor and no claim for delay on this account will be entertained.
67. **SUSPENSION:** If the contractor except on account of any legal restraint upon the Bank preventing the continuance of the work or in the opinion of the Bank shall neglect or fail to proceed with due diligence in the performance of his part of the contract or if he shall more than once make default, the Bank shall have the power to give notice in writing to the contractor requiring the work to be proceeded with in a reasonable manner and with reasonable dispatch, such notice purport to be a notice under this clause. After such notice shall have been given the contractor shall not be at liberty to remove from the site of the works or from any ground contiguous thereto any plant or materials to subsist from the date of such notice being given until the notice shall have been complied with. If the contractor fails to start the work within seven days after such notice has been given to proceed with the works as therein prescribed, the Bank may proceed as provided in Termination of Contract by Employer clause.

68. **TERMINATION OF CONTRACT BY EMPLOYER:** If the contractor being a company go into liquidation whether voluntary or compulsory or being a firm shall be dissolved or being an individual shall be adjudicated insolvent or shall make an assignment or a composition for the benefit of the greater part, in number of amount of his creditors or shall enter into a Deed or arrangement with his creditors, or if the Official Assignee in insolvency, or the Receiver of the contractor in insolvency, shall repudiate the contract, or if a receiver of the contractor's firm appointed by the court shall be unable within fourteen days after notice to him requiring him to do so, to show to the reasonable satisfaction of the Bank that he is able to carry out and fulfill the contract, and if so required by the employer to give reasonable security therefore, or if the contractor shall suffer execution to be issued, or shall suffer any payment under this contract to be attached by or on behalf of and of the creditors of the contractor, or shall assign, charge or encumber this contract or any payments due or which may become due to contractor, there under, or shall neglect or fail to observe and perform all or any of the acts matters of things by this contract, to be observed and performed by the contractor within three clear days after the notice shall have been given to the contractor in manner hereinafter mentioned requiring the contractor to observe or perform the same or shall use improper materials of workmanship in carrying on the works, or shall in the opinion of the employer not exercise such due diligence and make such progress as would enable the work to be completed within due time agreed upon, and shall fail to proceed to the satisfaction of the employer after three clear days notice requiring the contractor so to do shall have been given to the contractor as hereinafter mentioned or shall abandon the contract, then and in any of the said cases, the Bank may notwithstanding previous waiver determine the contract by a notice in writing to the effect as hereinafter mentioned, but without thereby effecting the powers of the Bank of the obligations and liabilities of the contractor the whole of which shall continue in force as fully as if the contract, had not been so determine and as if the works subsequently executed by or on behalf of the contractor (without thereby creating any trust in favor of the contractor) further the Bank or his agent, or servants, may enter upon and take possession of the work and all plants tools scaffolding sheds machinery, steam, and other power, utensils and materials lying upon premises or the adjoining lands or roads and sell the same as his own property or may employ the same by means of his own servants and workmen in carrying on and completing the works or by employing any other contractors or other persons or person to complete the works, and the contractor shall not in any way interrupt or do any act, matter or thing to prevent or hinder such other contractors or other persons or person employed from completing and finishing or using the materials and plants for the works when the works shall be completed, or as soon thereafter as conveniently may be the employer shall give notice in writing to the contractor to remove his surplus materials and plants and should the contractor fail to do so within a period of 14 days after receipt by him the employer may sell the same by Public Auction and shall give credit to the contractor for the amount so realized. Any expenses or losses incurred by the employer in getting the works carried out by other contractors shall be adjusted against the amount payable to the contractor by way of selling his tools and plants or due on account of work carried out by the contractor prior to engaging other contractors or against the Security Deposit. Any change in Term conditions and Variation can be accepted by permission of Regional Head Only.

69. **ARBITRATION:** The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Bank or the contractor may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

Any dispute or difference in respect of which a notice of intention to commence arbitration has been given shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

In case of Dispute or difference arising between the Purchaser and a domestic supplier relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in

accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Bank and the Contractor. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as Presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the *Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India).

In the case of a dispute with a Foreign Supplier, the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties, and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Appointing Authority namely Indian Council of Arbitration OR President of the Institution of Engineers (India) OR The International Centre of Alternative Dispute Resolution (India) as specified in the SCC.

If one of the parties fails to appoint its arbitrator in pursuance of sub-clause (a) and (b) above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Appointing Authority, both in cases of the Foreign supplier as well as Indian supplier, shall appoint the arbitrator. A certified copy of the order of the Appointing Authority, making such an appointment shall be furnished to each of the parties.

Arbitration proceedings shall be held in India at the place specified in the SCC and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.

The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

Where the value of the contract is Rs. 2 crores and below, the disputes or differences arising shall be referred to the Sole Arbitrator. The Sole Arbitrator should be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (namely the Indian Council of Arbitration OR President of the Institution of Engineers (India) OR The International Centre for Alternative Dispute Resolution (India) as specified in the SCC).

Notwithstanding any reference to arbitration herein,

- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Purchaser shall pay the Supplier any monies due the Supplier.

Preparation & Submission of Bids-

The Bids (Eligibility Cum Technical as well as Commercial) shall have to be prepared and subsequently submitted physically only. Bids not submitted “OFF-LINE” shall be summarily rejected. No other form of submission shall be permitted.

3 Guidelines to Contractors on the operations of Electronic Tendering System of Central Bank of India

3.1 Short listing of Bidders for Financial Bidding Process:

The Tendering Authority will first open the Technical Bid documents of all Bidders and after scrutinizing these documents will shortlist the Bidders who are eligible for Financial Bidding Process. The short listed Bidders will be intimated by email.

At the sole discretion of the tender Authority, the time schedule of the Tender stages may be extended.

Safety Codes

- (i) Suitable scaffolds should be provided for workmen for all works that cannot safely be done from the ground, or from solid construction except such short period work as can be done safely from ladders. When a ladder is used an extra mazdoor shall be engaged for holding the ladder and if the ladder used for carrying material as will, suitable footholds and hand holds shall be provided on the ladder and the ladder shall be given an inclination not steeper than 1/4 to 1 (1/4) horizontal and 1vertical)
- (ii) Scaffolding or staging more than 4m. above the ground or floor, swung or suspended from an overhead support or erected with stationary support shall have a guard rail properly attached bolted, braced and otherwise secured at least 3 feet high above the floor or platform of such scaffoldings or staging and extending along the entire length of the outside and ends thereof with only such opening 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 platform, gangways, and stairways should be so constructed that they should not sag unduly or unequally, and if the height of the platform or the gangway or the stairway is more than 12feet above the ground level on the floor level. They should be closely boarded, should have adequate width and should be suitably fastened, as described in (ii)above.
- (iv) Every opening in the floor of a building or in a working platform be provided with suitable means to prevent the fall of persons or materials by providing suitable fencing or railing whose minimum height shall be -3'0". 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 platforms and the working places. Every ladder shall be securely fixed. No portable single ladder shall be over 9m. in length while the width between side rail in rung ladder width shall in no case be less than 290mm. for ladder up to and including 3m. in length. For longer ladders this width should be increased at least 20mm. for each additional meter or length.
- (vi) 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.
- (vii) 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.

A. WATERPROOFING ITEMS

1) WATER PROOFING OF UG WATER TANK WITH ELASTOMERIC EXTERIOR WATER PROOF COATING

a. Cleaning and water/acid washing of terrace – Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles.

b. Method of application- a. Dilute 2 parts of Dr. Fixit Primeseal or equivalent chemical with 1 one part of water. This dilution will cover 7 to 8 sq.mt. Allow it to dry for 6 to 8 hrs.

c. Apply 1st coat of Dr. Fixit Newcoat or equivalent chemical at the rate of 2 sq. mt. per litre

d. An open woven glass fibre mesh of 2.5 mm x 2.5 mm must be sandwiched between the first and second coat. While the 1st coat is still wet, place the fibre mesh on it.

e. Dr. Fixit Newcoat or equivalent chemical to be applied with brush or roller in one direction only. Check to see no void surface is left untreated / uncoated. Allow the first coat to dry for 6-8 hours.

f. Apply second coat of Dr. Fixit Newcoat or equivalent with the same application coverage. Application direction of second coat should be perpendicular to that of the first coat.

g. Apply third coat same as above.

Bonding slurry and application:

The contractor shall wet down the surfaces ensuring that they are saturated but free of surface water. Bonding slurry shall be prepared by mixing thoroughly 2 parts of cement to 1 part of water to a lump-free consistency.

Application of cement mortar/concrete

Cement shall be carried out in efficient concrete mixer. However, the engineer may allow hand mixing in case total weight of mix per batch is less than 50 Kgs. In case of hand mixing, the contractor shall mix 10% additional cement.

The mixer shall be charged with the required 4 quantity of coarse aggregate (where used); fine aggregates, cement and premixing shall be carried out for approximately half a minute. Required quantity of water shall then be added and further mixing shall be carried out for 1 to 1-1/2 minutes to obtain working consistency. Care shall be taken to avoid excessive water.

Rendering Cement mortar/concrete shall be done after applying bonding slurry to the prepared surface while the bonding coat is still tacky. After application of mortar/concrete the surface shall be closed using a wooden float and steel trowel giving it a smooth finish.

4. CURING: New concrete shall be maintained damp for a period of 2 weeks minimum. . New plaster shall be cured at least 3 times a day for a period for a not less than 10 days. The 1stcoat of plaster shall be cured for a period not less than 3days. If required the surface shall be maintained damp using a wet hessian cloth.

11 PLASTER WORK:

1 EXTERNAL SAND FACE PLASTER ON BRICK MASONRY WALLS

a. Carefully break the damaged plaster preferably using an Electric breaker of BOSCH Make (GSH 4) or equivalent & chisel & hammer after properly covering the openings with 6 mm ply (This item will be quoted separately on Sq.ft. basis) & tying a screen of hessian cloth to ensure that the flying debris does not damage any

property. The collected debris should be removed from site on a regular basis to avoid inconvenience to the members.

b. Remove the existing tree growth uprooting it up to the root & carry out acid treatment to avoid any future growth. (This item will be quoted separately on Lump sum basis)

c. Treat the separation cracks between RCC members & brickwork, wherever directed by the consultant, by raking open the cracks in V groove & filling the cracks with 1:2 C.M. using 3 mm down sand, with ICWPA @ as per the manufacturer's specification. This mortar should be pressed firmly in the gap by manual hand pressure and then troweled firmly and scratched, to receive the plaster. (This item will be quoted separately on R. ft. basis.)

d. Carry out proper surface preparation prior to starting the plasterwork, by soaking the brick walls completely with water, so that the walls are ready to receive the mortar.

e. Check out the plumb level of the walls by making proper level markings (Dhadas) on the walls. In case the wall is highly out of plumb, then ensure that proper plumb is maintained by operating a leveling dash coat of plaster, wherever directed by the consultant only.

f. Provide & apply first coat of Cement Sand Plaster (1:4) with addition of ICWPA compound @ as per the manufacturer's specification. Mixing should be strictly carried out in ½ bag mortar mixer & the mixed mortar should be unloaded in a plaster tray. This coat should be firmly pressed in uniform plain & in proper plumb & to be roughened to receive second coat of plaster. After the first coat is cured thrice for 7 days, a second coat of Cement Sand Plaster in C.M. 1:4 with addition of ICWPA compound @ 2% by weight of cement, should be applied on the existing first coat. The surface is to be firmly sponge floated to remove the excess moisture & to bring the sand to the surface. The finished surface should have a uniform texture. The finished surface should be properly cured thrice for 7 days to avoid occurrence of cracks.

NOTE:-Please ensure that steel trowels are not at all used for the plasterwork, as this tends to cause a lot of undulations in the finishing of the plaster.

NOTE:- Depending upon the final decision Polypropylene Fibers will be added to the Sand : Cement mortar.

Note:- All sand used for the plaster work shall be river sand only.

2 EXTERNAL SANDFACE PLASTER ON CEMENT CONCRETE BLOCKS / RCC WALLS

a. Erect safe & strong double bamboo scaffolding so as not to make any holes in the existing structure.

b. Carefully break the damaged plaster preferably using an Electric breaker of BOSCH Make (GSH 4) or equivalent & chisel & hammer after properly covering the openings with 6mm ply (This item will be quoted separately on Sq.ft basis) & tying a screen of hessian. Cloth to ensure that the flying debris does not damage any property. The collected debris should be removed from site on a regular basis to avoid inconvenience to the members.

c. Remove the existing tree growth uprooting it up to the root & carry out acid treatment to avoid any future growth.

d. Treat the separation cracks between RCC members & concrete block work / RCC walls, wherever directed by the consultant, by raking open the cracks in V groove & filling the cracks with 1:2 C.M. using 3 mm down sand, with ICWPA @ 4.0% of the cement content. This mortar should be pressed firmly in the gap by manual hand pressure and then troweled firmly and scratched, to receive the plaster.

e. Carry out proper surface preparation prior to starting the plasterwork, by carrying out a very thin spray coat of 1:3 C.M. using 3mm down sand with ICWPA. This spray coat is done as an alternative to the conventional cement slurry that is used for bonding of the plaster mortar to the concrete blocks / RCC walls. This coat should

be carried out at least 2 days in advance to the work of plastering, and cured properly. This wall should then be dampened by soaking the wall completely with water, at every 4 hours interval, so that the wall is ready to receive the mortar.

f. Check out the plumb level of the walls by making proper level markings (Dhadas) on the walls. In case the wall is highly out of plumb, then ensure that proper plumb is maintained by operating a leveling dash coat of plaster, wherever directed by the consultant only.

g. Provide & apply first coat of Cement Sand Plaster (1:4) with addition of ICWPA compound @ as per the manufacturer's specification. Mixing should be strictly carried out in ½ bag mortar mixer & the mixed mortar should be unloaded in a plaster tray. This coat should be firmly pressed in uniform plain & in proper plumb & to be roughened to receive second coat of plaster. After the first coat is cured thrice as per IS Code, a second coat of Cement Sand Plaster in C.M. 1:4 with addition of ICWPA compound @ 2% by weight of cement should be applied on the existing first coat. The surface is to be firmly sponge floated to remove the excess moisture & to bring the sand to the surface. The finished surface should have a uniform texture. The finished surface should be properly cured thrice for 7 days to avoid occurrence of cracks

NOTE:-Please ensure that steel trowels are not at all used for the plasterwork, as this tends to cause a lot of undulations in the finishing of the plaster.

NOTE:- Depending upon the final decision Polypropylene Fibers will be added to the Sand : Cement mortar.

NOTE:-Please ensure that steel trowels are not at all used for the plasterwork, as this tends to cause a lot of undulations in the finishing of the plaster.

NOTE:- Depending upon the final decision Polypropylene Fibers will be added to the Sand : Cement mortar.

3 GAP FILLING BETWEEN RCC MEMBERS & BRICK WORK

a. Rake the joint between the RCC members and brickwork / block work in a proper V groove and remove all the loose mortar.

b. Fill the joint properly with 1:2 C: M, containing ICWPA @ 4.0% of the cement content. This mortar should be pressed firmly in the gap by manual hand pressure.

c. Embed metal no. 1 & 2 properly in the mortar & then trowel the same firmly and Scratch to receive the plaster.

d. Cure this mortar properly.

4 LEVELING COAT (DASH COAT) OF PLASTER

a. Wherever instructed by the consultant, provide a dash coat of plaster, of up to 1.5" thickness in 1:3 C.M. with ICWPA, embedding small brick pieces in it so as to bring the uneven surface in level.

b. Cure this dash coat at least thrice for minimum 5 days.

14. PAINTING:

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 liters 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 liters (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.

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.

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

The surface must be perfectly dry before distemping is commenced. In new cement plaster the surface shall be washed over with a solution of zinc sulphate, one kg zinc sulphate in 10 liters 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. Distemping should be done during dry weather but not during too hot weather, not wet weather.

4.ELASTOMERIC PAINT:

Film thickness of 125 micron+ shall be achieved in two coats with a coat of primer by brush with water addition as per manufacturer specifications. Approved shade & make shall be taken in writing from client as per consultant's recommendation. Joint Warranty for 05 years shall be provided in specified format for no seepages from walls & area attended. Base of paint must be 100% acrylic. Formulations containing styrene butadiene rubber will not be allowed for use on external surfaces. Minimum crack bridging capacity expected is up to 1 mm.

SPECIFICATION OF MATERIALS:

Materials shall be of the best approved quality and they shall comply with the respective latest IS specified.

In case of non-availability of materials in metrics sizes, the nearest size in FPS units shall be provided with the prior approval of the C-DAC's Engineer-in-charge for which, neither extra will be paid nor any rebate, be recovered.

All material shall be tested in any testing laboratory approved by the NABL, as per the testing guidelines issued by the Employer, which can be perused by the contractor from the office results of such tests in original issued by the laboratory shall be submitted to the Architects/Consultants with copy to Engineer-in-charge. The entire charges connected with such testing including for repeated tests if ordered by the Architects/Consultants OR Engineer-in-charge shall be borne by the Contractor.

All materials shall be properly stored and the Contractor shall be responsible for its safe custody until they are required on the works and till the completion of work.

Unless otherwise shown on the drawings or mentioned in the Schedule of Quantities or Specified Conditions, the quality of materials, workmanship, dimensions etc. shall be as specified herein under.

All Equipments and facilities for carrying out field test on materials shall be provided by the Contractors without any extra cost.

i) **Cement:-**

Cement shall comply in every respect with the requirements of the latest publication of IS- 1489(PPC) and unless otherwise specified Portland Pozzolana Cement (PPC) shall be used.

The weight of PPC shall be taken as 1440 kg per CuM (80 lbs per Cft.). Cement shall be measured by weight and in whole bags and each undisturbed and sealed 50kgs. Bag being considered equivalent to 34.72 liters (1.2 Cft.) in volume. Care should be taken to see that each bag contains full quantity of cement. When part bag is required, cement shall be taken by weight or measured in measuring boxes.

No other make of cement but that approved by the Architect/Consultants OR C-DAC's Engineer-in-charge will be allowed on works and the source of supply shall not be changed without approval of the Architect/Consultants OR C-DAC's Engineer-in-charge in writing. Test certificates to show that cement is fully complying with the specifications shall be submitted to the Architect/Consultant and notwithstanding this, the Architects/Consultants may at their discretion, order that the cement brought on site and which they may consider damaged or of doubtful quality for any reason whatsoever, shall be retested in an approved testing laboratory and fresh certificates of its soundness shall be produced. Cement ordered for retesting shall not be used for any work pending results of retests.

Cement shall be stored in weather proof shed with raised wooden plank, flooring to prevent deterioration by dampness of intrusion of foreign matter. It shall be stored in such a way as to allow the removal and use of cement in chronological order of receipt i.e. first received being first used. Cement deteriorated and / or clotted shall not be used on work but shall be removed at once from the site.

ii) **Fine Aggregate:-**

Sand shall conform to IS-383 and relevant portion of IS-515. It shall pass through a IS sieve mm (3/16 BS) test sieve leaving a residue not more than 5%. It shall be from natural source crushed stone screenings, if allowed, chemically inert, clean, sharp, hard, durable, well graded and free from dust, clay, shale large pebbles, salt, organic matter, loam mica or other deleterious matter. The sum of percentages of all deleterious materials in sand shall not exceed 5% by weight. It shall be washed if directed to reduce the percentage of deleterious substance to acceptable limits. Sand shall not contain any trace of salt and it shall be tested and sand containing any trace of salt shall be rejected.

The fine aggregate for concrete shall be graded within limits as specified in IS-383 and the Fineness Modulus may range between 2.60 to 3.20.

The fine aggregate shall be stacked carefully on a clean hard dry surface so that it will not get mixed up with deleterious foreign materials, if such a surface is not available a platform of planks of corrugated iron sheets or brick floor or a thin layer of lean concrete shall be prepared.

iii) **Coarse Aggregate:-**

Shall consist of crushed or broken stone 85% of which shall be retained on 4.75 mm IS test sieve. It shall be obtained from crushing Granite, Quartzite, Trap, Basalt or similar approved stones from approved quarry and shall conform to IS-383 and IS-515. Coarse aggregate shall be chemically inert when mixed with cement and shall be cubical in shape and free from soft, friable, thin porous, laminated or flaky pieces. It shall be free from dust and any other foreign matter.

Gravel / Shingle of desired grading may be permitted as a substitute in part or full in plain cement concrete if the Architect is otherwise satisfied about the quality of aggregate. For all RCC works the size of coarse aggregate shall be 20 mm and down gauge.

iv) **Reinforcement:-**

Reinforcement shall be of mild steel tested quality conforming IS 432-1866 and any other ISS applicable or deformed bar conforming to IS 1786 and IS 1138 or hard drawn steel wire fabric conforming to IS 1566-1867.

All finished bars shall be free from cracks, surface flaws, laminations, jagged and imperfect edges.

v) **Bricks:-**

Bricks shall generally comply with IS 1077 except in size which shall be conforming to the sizes locally available. Depending upon the quality of bricks they shall be classified as 1st and 2nd class.

Bricks shall be the best quality locally available table moulded well burnt but not over-burnt, have plane rectangular faces with parallel side and sharp right angled edges, and have a fine compact and uniform texture. The bricks shall be free from cracks, chips, flaws, stones or lumps of any kind and shall not show efflorescence either dry or subsequent to soaking in water. It shall emit a clear ringing sound on being struck and shall not absorb water more than 20% by weight. Common building bricks shall have a minimum compressive strength of 50 Kg per sq.cm. When used as panel in frame structure and 100 Kg per sq.cm. For load bearing wall construction, unless otherwise specifically stated in the schedule of quantities.

vi) **Water:-**

Water for mixing cement mortar or concrete shall not be salty or brackish and shall be clean, reasonably clear and free from objectionable quantities of silt and traces of oil, acid and injurious alkali, salts, organic matter and other deleterious materials which will either weaken the mortar or concrete or cause efflorescence or attach the steel in reinforced cement concrete. Water shall be obtained from sources approved by the Architect. Potable water is generally considered satisfactory for mixing and curing concrete, mortar, masonry etc. Where water other than main source is used this shall be tested in an approved testing laboratory to establish its suitability. All charges connected therewith shall be borne by the Contractors.

vii) **Mortar:-**

Cement and Sand Mortar conform to the specifications; it shall be composed of Portland cement and sand. The ingredients shall be accurately gauged by measure and shall be well and evenly mixed together in a mechanical pan mixture, care being taken not to add more water than required. No mortar that has begun to set shall be used. River sand shall be used unless otherwise specified.

If hand mixing is allowed, then it shall be done on pucca water-proof platform OR M.S. Mixing Tray. The gauged materials shall be put on the platform and mixed dry. Water shall then be added and the whole mixed again until it is homogeneous and of uniform colour. Not more than one bag of cement shall be mixed at one time and which can be consumed within half an hour of its mixing.

viii) **Cement mortar:**

For PCC/backing coat to stone/tiles shall be prepared by mixing cement and sand in specified proportion. Proportioning shall be carried out as detailed in BOQ. Cement and sand shall be thoroughly mixed and water shall be added to it gradually. After addition of water the mix shall be mixed for a minimum of 3 minutes. The mortar mixed shall be consumed within 30 minutes of its mixing.

NAME OF CHEMICALS USED AS UNDER:

ITEMS	NAME OF CHEMICALS & MANUFACTURERS
Rust cleaner for reinforcement	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Ready Mix Polymer	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Anti-corrosive Primer for Reinforcement	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Anchorage Material for fixing rebars.	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Injection Grouting to arrest porosity	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Bonding Agent for Concrete	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Repair Mortar for Concrete	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Polymer for plastering over repaired mortar	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Waterproofing chemical material	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Epoxy Material	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Micro Concrete	BASF/ Sika/ Dr. Fixit/ Sunanda/ Krishna Conchem
Reinforcement Steel	Any ISI mark or enlisted in PWD approved brand

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 use only after approval.

All the ready-mix material shall be used as per the manufacture specification and process under the supervision of Project Consultants.

FINANCIAL BID (ENVELOPE TWO, to be submitted in sealed separate envelope)

S No.	Description	Unit	Quantity	Rate	Amount
1	Boundary Wall Barbed Wire				
	Barbed Wire fixing in Existing grouted MS Angel including all Material & labour Charges	Rft	2200.00		
	Total				
2	Under Ground Water Tank				
	Earth Work Excavation	Cuft	1450.00		
	Sand/ Moorum Filling	Cuft	150.00		
	PCC (1:3:6) using 40mm Size crusher broken aggregate in foundation	Cuft	103.00		
	RCC (1:2:4) using 20mm size crusher broken aggregate including centering, shuttering and laying of concrete, complete in all respect	Cuft	425.00		
	Brickwork with 1st class bricks having crushing strength between 100Kg/cm ² to 149 KG/cm ² in cement mortar (1:4) including centering, shuttering and laying of concrete, complete in all respect.	sqft	572.00		
	12mm thick plaster in cement mortar (1:4) inner and outer surface with curing minimum of 8 to 10 days	sqft	1144.00		
	Neat Cement Slurry work	sqft	1144.00		
	MS Fabrication work to cover the top of Water Tank includes all Material and Labour Cost	Job	1.00		
	Total				

Total Cost:

S No.	Description	Amount in ₹
1.	Boundary wall Barbed Wire	
2.	Under Ground Water Tank	
Total		

In Words: Rs. _____ + GST