



**SOCIETY FOR APPLIED MICROWAVE ELECTRONICS
ENGINEERING & RESEARCH (SAMEER)
(R & D Laboratory under Ministry of Electronics & Information
Technology, Govt. of India)**

TENDER DOCUMENT

Name of work : Execution of civil work (re-construction of wall, drain, water tank slab, entrance gate etc) for Salt Lake Sec-V and Sec-III office premises at "SAMEER Kolkata Centre

Plot-L2, Block-GP, Sec-V, Salt Lake Electronics Complex, Kolkata-700 091

Ph : 091-33-2357-4875 / 2357-4894 Fax : 091-33-2357-4950,

E-mail : purchase@mmw.sameer.gov.in / vivek.sameer@gov.in

NOTICE INVITING TENDER

Dated : 12th May, 2022

Office-In-Charge of SAMEER Kolkata invites sealed tender (Two bid system) from the experienced and resourceful civil contractor for execution of civil minor work as below :

1	Tender Reference No.	SMR (K)/CIVIL/Minor/22-23
2	Name of Work.	Execution of civil work (re-construction of wall, drain, water tank slab, entrance gate etc) for Salt Lake Sec-V and Sec-III office premises at "SAMEER Kolkata Centre
3	Location of Work.	i) Plot-L2, Block GP, Sec-V, Salt Lake Electronics complex, Kolkata – 700 091 & ii) JC-30, Sec-III, Salt lake, Kolkata-700 106
4	Estimated Cost(Including GST).	Rs 27,50,270 /- (Rupees Twenty seven lakhs fifty thousand two hundred seventy only)
5	Earnest Money Deposit and Mode of payment	Rs. 55,000.00 (Rupees fifty five thousand only) Demand draft / banker`s cheque favouring SAMEER Kolkata Centre payable at Kolkata
6	Time Limit for Execution	90 DAYS
7	Tender Basis and Mode	Two Stage (Technical and Financial Bid)
8	Date of issue of tender	13th May, 2022
9	Date, Time & Venue of Pre-bid Meeting	24th May, 2022 at 3.00 P.M (willing contractors are requested to contact Purchase Division (Ph : 033-2357-4875 / 4894), if changed the date)
10	Start date for submission of tender	27th May, 2022
11	Closing Date & Time for Receipt of Bids.	3rd June, 2022, 5.30 P.M
12	Date & Time for opening of Technical Bid.	Technical bid will be opened by 7 days from the due date of tender by the tender committee.
13	Date & Time for opening of Price Bid	Will be intimated to the technically qualified bidders only
14	Address for Tender issue, submission and opening.	SAMEER Kolkata Centre, Plot-L2, Block GP, Sec-V, Salt Lake Electronics complex, Kolkata – 700 091

15	Website for full and updated Information.	https://eprocure.gov.in/tendersearch www.kolkata.sameer.gov.in
16	Availability of the Tender document	Can be downloaded only from the above website
17	Publication of any corrigendum / addendum	To be uploaded at the above website


Vivek Kumar Singh
Head, A & AO
email : purchase@mmw.sameer.gov.in

INDEX

S.No.	CONTENTS	PAGE No.
TECHNICAL BID :-		
1	Sec-I : General Instruction	6-9
2	Sec-II : Scope of Work	10
3	Sec-III : Terms & Conditions	11-17
4	Undertaking	18
FINANCIAL BID :-		
5	Technical specifications	21-26
6	Form of Tender	27
7	Sec-IV : Schedule of Quantities	(containing 7 pages)

**SOCIETY FOR APPLIED MICROWAVE ELECTRONICS
ENGINEERING & RESEARCH (SAMEER), KOLKATA, WEST BENGAL**

Name of work: Execution of civil work (re-construction of wall, drain, water tank slab, entrance gate etc) for Salt Lake Sec-V and Sec-III office premises at "SAMEER Kolkata Centre

TENDER REF NO. : SMR (K)/CIVIL/Minor/22-23

SEC-I: GENERAL INSTRUCTION

INTRODUCTION:

Society for Applied Microwave Electronics Engineering & Research (SAMEER) is a premier R & D institute of Ministry of Electronics & Information Technology, Govt. Of India. SAMEER invites sealed TWO PART tender from the reputed firm / contractor for execution of the following work subject to the terms and conditions set out here under.

NAME OF WORK: Execution of civil work (re-construction of wall, drain, water tank slab, entrance gate etc) for Salt Lake Sec-V and Sec-III office premises at “SAMEER Kolkata Centre

Site of work : i) Plot-L2, Block GP, **Sec-V**, Salt Lake Electronics complex, Kolkata – 700 091 & ii) JC-30, **Sec-III**, Salt lake, Kolkata-700 106

i. **Site Inspection :** All the interested parties are advised to go through this tender document carefully and inspect the office building to have the adequate idea / information about the work before submission of tender. Contractors are requested to contact our concerned person Shri Pallab Roy (033-2335-6219/2230) on any working day (Monday to Friday) between 10.00 A.M to 5.00 P.M before visit to SAMEER Kolkata.

Tenderers shall inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the site and shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not. Submission of a tender implies that the tenderer has read the complete contract documents and is aware of the conditions, specification of the work to be done and of the local conditions and other factors having a bearing on the execution of work. Any claim on any aspect for ignorance of the site visit will not be considered/ acceptable.

ii. The tender should be submitted in **TWO PART bid system i.e. Technical Bid and Financial Bid.**

iii. Both Technical and Financial Bid should be submitted in two separate sealed envelopes superscribed as Technical bid and Financial Bid with Technical Ref No. These two sealed separate envelopes should be put in a single envelope and should be superscribed “**Tender Reference No**” and to be addressed to “**The Officer-In-Charge, SAMEER Kolkata, Plot-L2, Block-GP, Sec-V, Salt Lake Electronics complex, Kolkata-700091**”

iv. **EARNEST MONEY DEPOSIT (EMD):** Rs. 55,000.00 (Rupees fifty five thousand only) to be deposited along with Technical Bid by crossed demand draft / banker`s cheque favouring SAMEER Kolkata Centre payable at Kolkata. Please note that bid received without EMD will not be considered and will be summarily rejected. The EMD will be refunded to the unsuccessful bidders immediately after finalization of the contract. EMD for successful bidder will be converted as Performance Security Deposit on acceptance of the bid. No interest will be paid on the EMD.

v. **TECHNICAL BID** should contain EMD, Tender fee, relevant documents in support of eligibility criteria, Terms and conditions with authorized sign and seal as a token of acceptance laid down in the tender document and work programme schedule.

vi. **FINANCIAL BID:** The tenderer shall quote for all the items as per schedule of quantities of Financial bid, failing which the bid shall be considered non responsive, incomplete and will be summarily rejected. Rates for the items shall be quoted in the Financial Bid of this tender and the amount for each item should be worked out and requisite totals be given. Special care should be taken to write the rates in figures as well as in words. In case of any dispute, rates appearing in words shall be treated final and bound by the bidders.

vii. **BID PRICE:** The Rate should be the total composite price inclusive of cost of manpower, material, freight, loading, unloading, taxes, duties, cess, levies, insurance etc. excluding GST. GST should be reflected as per format mentioned in **Financial Bid**. No escalation of whatsoever nature, shall be payable in future due to any revision amendment in any act/ statute governing this contract. SAMEER will not entertain any claim whatsoever in respect of the same. The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and less and considering more than fifty paise as rupee one.

viii. **DISCOUNT:** if any, offered by the bidders **shall not be considered** at the time of evaluation of Financial bid by the evaluation committee. Bidders desiring to offer any discount shall therefore consider while preparing bid and shall quote clearly net price taking all such factors like discount, free supply etc.

ix. The proposed drawings/layouts are enclosed

x. ELIGIBILITY CRITERIA :

The tenderer should have and submit relevant documents along with Technical bid for participation in this tender as per below:

- a) Copy of valid registration certificate with local authorities/professional bodies/ CPWD/PWD (states)/MES/Railways/BRO/any other appropriate Govt. Body as civil contractor in appropriate class and categories. Registration certificate should be submitted.
- b) Valid registration copy of PAN, TAN, TIN, GST, ESI, EPF.
- d) Copy of Labour license under the contract labour issued by appropriate Govt. as per Labour Act
- e) Copy of certificate of incorporation/registration of firm certificate/memorandum of Articles of Association Partnership deed Proprietorship deed/Declaration of proprietorship etc in support of legal entity of the tenderer as the case may be, may be demanded by SAMEER and if required, the same shall be produced by tenderers.
- f) Copy of Income Tax return for the last three financial years 2018-`19, 2019-`20, and 2020-`21

g) **EXPERIENCE:** Contractor should have at least the following working experience with **Central Govt. /State Govt/ Autonomous govt. bodies/PSU** during the last 7 years as on 31th Dec, 2021. In

support of experience **Work Order / agreement with completion certificate** must be submitted along with technical bid:

- Three similar completed works costing not less than the amount of Rs. 10.00 (ten) lakhs
- OR two similar works not less than the amount of Rs. 17.00 (seventeen) Lakhs
- OR one similar completed work costing not less than Rs.22.00 (Twenty two) Lakhs

(Note: Similar works means minor civil work/renovation work/repair work/construction work in the field of civil)

- Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private individuals / organizations for whom such works have been executed shall not be accepted

The above experience should be provided in the following format:

Srl no.	Worked with the following organizations (mention the name of organization with communication details)	Value of the Work Order/Contract	Date of issue of work order	Period of extension, if there	Date of completion	Whether completion certificate enclosed with Technical Bid (Yes / No)
1						
2						
3						

h) Average annual financial turn over for the last 3 years ending 31st March 2021 should be more than Rs. 20.00 (fifteen) lakhs. Audited balance sheet for the last three years should be attached.

l) Copy of any other registration, which is mandatory for such agencies stipulated by concerned authorities from time to time.

j) A statement of up to date payment details of ESIC and EPF should be submitted.

k) **BLACK LIST:** Bidder should submit declaration in the form of notarized affidavit on non-judicial stamp paper that he is not blacklisted by local authorities/professional bodies CPWD/PWD (states)/MES/Railways/BRO/competent local authorities / professional bodies any other statutory bodies fully / partly governed by Govt.

l) Power of Attorney in favour of person who has signed the tender document. In case of company, the authority to sign the tender is to be given under Board resolution

m) Valid registration with Sales Tax department for Work Contract Tax

n) Solvency Certificate: Bidder must hold solvency certificate from any scheduled banks for a minimum value of Rs, 10,80,000.00 of the estimated cost, issued not earlier than 6 (six) months from the last date of submission.

xi. **PERFORMANCE SECURITY DEPOSIT:** The successful bidder (whose tender is accepted after finalization of financial bid for issuing Work Order) will furnish performance security for the fulfilment of contract, an amount equal to 3 % of the value of the Work Order.

xii. **EVALUATION OF BIDS:** The technical bid will be scrutinized by the Technical Evaluation Committee as constituted by SAMEER to check all the requisite and relevant documents and their authenticity at the suitable date and time. Necessary clarification on technical bid will be sought by email/ hard copy in the agency's letter head as the case may be. After evaluation, the technically qualified bidders will be informed about the date and time of opening the financial bids.

Bidders may choose to be present in the opening of the financial bid meeting. Maximum two authorized persons will be allowed in the bid opening meeting. Upon evaluation of the offers the notification on award of contract will be intimated to the successful tenderer.

For any clarification, if required, please email at "purchase@mmw.sameer.gov.in" / vivek@mmw.sameer.gov.in" / Ph: 033-2357-4875 / 4894

-----XXXX-----

SEC-II: SCOPE OF WORK

- i. The scope of work includes civil work of the Sec-V and Sec-III office building of SAMEER Kolkata as per schedule of quantity and approved drawing (wherever applicable) to be provided by SAMEER
- ii. Work will be executed as per approved drawings as applicable to be provided by SAMEER. Other works will be ex
- iii. For timely completion of the work the bidder/contractor must have to deploy all tools & tackles, plants, machineries, equipment and materials required to perform the work simultaneously.
- iv. The agency should ensure all safety precautions while execution of the work.
- v. The agency should ensure necessary labour license issued by appropriate Govt. for the execution of the work. Copy of documents relating thereto will be produced to SAMEER on demand.
- vi. Agency will maintain manpower muster roll and wage register
- vii. The contractor will provide site supervisor/Civil Engineer at site. Site supervisor/ civil engineer should have adequate knowledge in civil work.
- viii. Any other additional work apart of schedule of quantity, if required, will be executed after consultation with authorized person of SAMEER.
- ix. All temporary arrangements, staging, working platforms, safety arrangements etc. is to be provided to carry out the work at their own cost.

-----XX-----

SEC-III: TERMS AND CONDITIONS

- 1. AUTHORISED PERSON OF SAMEER :** shall mean person / engineer engaged by SAMEER for the tender work
- 2.** The work shall be carried out following CPWD norms and specifications. Wherever, the same are not available, Engineering practice as directed by Engineer, engaged by SAMEER shall be followed.
- 3.** No sub-contractor will be allowed to execute the order.
- 4.** VALIDITY OF BID: The bid should be valid for **120 days** from the due date of the tender.
- 5.** COMPLETION OF WORK: Time is very essential for this work. The work should be completed within **4 MONTHS** from the date of issue of the Work Order.
- 6. SUB-CONTRACTOR :** The contractor will not be allowed, in any case to get the work done through any sub-contractor, in case it is detected the tender will be cancelled and the earnest money deposited for the work will be forfeited
- 7.** All the documents and photocopies submitted by tenderer /bidder should be attested, legible, signed and stamped by authorized signatory, otherwise the bid is likely to be rejected.
- 8. PERFORMANCE SECURITY DEPOSIT:** The successful bidder (whose tender is accepted after finalization of financial bid for issuing Work Order) will furnish performance security an amount equal to 3% of the value of the Work Order. Earnest Money deposit (EMD) on acceptance of Tender shall be converted as a part of the performance security. Balance amount of performance security shall be realized from the RA Bill. It will be released after satisfactory expiry of Defective Liability period of ONE YEAR after completion of the whole work on written request by the contractor and no interest shall be paid on performance security.
- 9. FORFEITURE OF PERFORMANCE SECURITY DEPOSIT:** Performance security will be forfeited If any amount which is payable by the contractor is required to recover on account of any clause arising out of / contravening the Work Order/Contract.
- 10. FORFEITURE OF EMD :** Earnest money shall be forfeited in case of following :
 - If during the period of validity, the bidder withdraws/modifies its bid as a whole or in part.
 - If the bidder deviates from any clarification/confirmation given by him subsequent to submission of his bid
 - In case of successful bidder, if the Bidder fails to accept Work Order unconditionally
- 11. ACCEPTANCE / REJECTION OF TENDER :**
 - a). SAMEER also reserves the right to accept or reject any tender in part or full without assigning any reason whatsoever.
 - b). SAMEER also reserves the absolute right to reject any or all the tenders at any time solely based on the past unsatisfactory performance by the tenderer(s) either executed work in

SAMEER or outside agencies, the opinion/decision of SAMEER regarding the same shall be final and conclusive.

c) Tenderers are advised to submit the tender strictly based on the terms and conditions and specification contained in the Tender Document and not to stipulate any deviation. Conditional tenders are liable to be rejected.

12. ARITHMETICAL ERROR: Arithmetical errors shall be rectified on the following basis: If there is any discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected by the purchaser. If there is a discrepancy between words and figures, the amount in words shall prevail. If the supplier does not accept the correction of the errors, his bid shall be stand rejected.

13. MEASUREMENTS AND TERMS OF PAYMENT: All items of work carried out by the contractor in accordance with the provision of the order having a financial value shall be entered in the measurement book / log book etc. as prescribed by SAMEER so that a complete record is obtained of all works performed under the order and the value of work can be ascertained and determined there from. Measurement shall be taken jointly and every measurement thus taken shall be signed and dated by both the parties.

Payment will be made as per actual measurement of items works after completion of work. Bill should be generated on the required format and payment shall be released **within 30 days** of its submission if all formalities as per terms of the contract are maintained.

However, payment of final bill shall be released after submission of completion certificate of the job, verification of overdue/overpayment if any and fulfilment of all contractual obligations by the contractor.

14. PAYMENT OF NON-SCHEDULED ITEMS: Payment will be made for various items as per existing CPWD/ PWD (state) rate. If not available in CPWD/ PWD payment will be made based on prevailing market rate with submission of rate analysis and admitted by SAMEER before execution of work.

15. OVERPAYMENT: SAMEER reserves the right to recover/ enforce recovery of any overpayments detected after payment as a result of post-payment audit or technical examination or by any other means, notwithstanding the fact that the amount of disputed item, if any, of the contractor exceeds the amount of such overpayments and irrespective of the fact whether such disputed claims of the contractor are subject matter of arbitration or not. The amount of such overpayment may be recovered from subsequent bill / security deposit

16. EXTENSION OF TIME: If the work is suspended due to reasons beyond the control of the contractor, the contractor shall immediately give notice in writing within 7(seven) days to SAMEER for each occasion. On receipt of such notice, SAMEER may verify the matter and agree to extend the completion period as may be reasonable but without prejudice to other terms and conditions of the contract as the case may be if the reasons behind the suspension of work are found to be justified.

17. LIQUIDATED DAMAGES: If the contractor fails to complete the work successfully within the time specified in the contract or any extension thereof, SAMEER shall recover from the contractor as liquidated damages a sum of half percent (0.5%) of the contract value of works for each calendar week of delay or part thereof. Delay relating to Force majeure clause is not applicable for recovery.

The total recovery against liquidated damage shall not exceed ten percent (10%) of the contract value of the work. An extension of time without imposition of liquidated damage, may be granted by SAMEER for delay in execution of work provided there is no fault whatsoever on the part of the contractor. Such extension may only be granted on the basis of application to be submitted by the contractor who has to establish that the extension of time required by him was not due to his fault.

18. ACCEPTANCE OF THE ORDER: The successful bidder has to submit acceptance of the order within 5 days from the date of issue of the order.

19. WORK PROGRAMME SCHEDULE: A chart with time schedule of the work should be **submitted along with Technical Bid.**

20. VARIATION, OMISSION, ADDITION & ALTERATION: The Contractor shall not modify the work until and unless approved by SAMEER in writing. The quantities provided in the Schedule of work are provisional only, which may vary up to any extent or may be deleted altogether. The quoted rate of each item shall remain firm till completion of contract. **SAMEER reserves the right to alter, amend, and omit or otherwise vary** the quantities as may be necessary. Payment shall be made as per actual execution.

21. MINOR WORK: For any additional minor work if required to be done beyond the schedule of works specified in this tender, separate order will be issued and payment for the same will be made as per existing CPWD rate. If not available in CPWD payment will be made based on prevailing market rate with submission of rate analysis and admitted by SAMEER.

22. MATERIAL: All the construction material should as per CPWD and IS specifications (1st Class quality) with prior approval of SAMEER. The material shall be in original packing clearly indicating manufacturing date, expiry date & price etc. Any item found defective / kind specified in the contract and/ or is unfit for work should be replaced free of cost to the satisfaction of SAMEER authority.

23. Cement used for the work should not be older than Two month from the date of manufacture. The contractor should purchase the cement from authorised dealer and submit the test certificates/vouchers prior to execution of the work.

24. Electricity and water for execution of the work will be supplied by SAMEER; the charges shall be borne by the contractor at the **rate of 0.5%** on the executed value. The contractor has to make his own

arrangement for use of the same including extending temporarily lines etc. The contractor can not claim any compensation for any failure in such supply caused due to any reason whatsoever in case of non-availability of electricity and water for construction purpose from SAMEER. The contractor will have to arrange for the same at his own cost.

25. HOLIDAY WORK: If the work is required to be carried out in two shifts and/or in Sundays & Holidays, prior written permission from SAMEER shall have to be obtained.

26. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection. Tender received by email / fax will not be considered.

27. Tender must be submitted within due date. Tender received beyond the due date by any other means like postal delay etc. will not be considered.

28. SUB-LETTING OF CONTRACT: The contractor shall not, without the written consent of SAMEER, assign or sublet any part of the contract, other than for raw materials or for any part of the work provided that any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract. In the event of sub-letting any part of the contract is permitted, the fact that such permission has been accorded shall not establish any contractual relationship between the approved Sub- vendor and SAMEER of any of his liabilities and obligations under the contract.

29. The Rates quoted by the tenderer must hold good till the completion of work and shall not be subjected to escalation due to increase in local market rates of materials and labour. No claim on this account whatsoever shall be entertained at any stage including the extended period, if any.

30. ABNORMAL RATES : The tenderer is expected to quote rate for each item after careful analysis of costs involved for the performance of the complete item considering technical specifications and conditions of contract. If it is noticed that the unit rates quoted by the Tenderer for any items are unusually high or unusually low, it will be sufficient cause for rejection of the tender unless the SAMEER is convinced about the reasonableness of the unit rates on scrutiny of the analysis for such unit rate to be furnished by the tenderer on demand. Notwithstanding anything here in stated, the rates once accepted by the SAMEER shall be final and shall not be subject to any change either on account of unworkability of unit rates or on any other ground whatsoever.

31. FORCE MAJEURE: The Contractor shall not be liable to pay any liquidated damage for delay/failure to perform the contract for reasons of force majeure such as acts of God, acts of the public enemy, acts of Governments, fire, flood, epidemics, quarantine restriction, strikes, freight embargos and provided that the contractor shall within 7(seven) days from the beginning of such delay notify SAMEER in writing of the cause of delay. SAMEER shall verify the facts and grant such extension as found to be justified without imposing liquidated damage. The department shall not be responsible or liable to pay

any compensation for any interruption in your work at the site due to strike, lockout, riot earthquake, flood, cyclone or civil commotion or any other force of accident due to any reason beyond control. SAMEER shall not be held responsible to or liable to pay for any interruption in your work at the site arising out of resistance from the local public due to any resistance towards work.

32. DEFECT LIABILITY PERIOD: The term 'defect liability period' shall mean the period of ONE YEAR from the certified date of its completion of whole work in all respect. If any defect is found within the defect liability period the contractor shall be liable to rectify/replace the materials at their own cost and responsibility. Defects/rectification work so notified shall have to be attended and completed satisfactorily within the specified date or as deemed fit by SAMEER. For faithful & due fulfilment of all obligations, this defect liability period shall be covered by Performance Security Deposit submitted by the contractor.

In case any defect of work is detected by within the period of ONE YEAR and not rectified work within one year, the defect liability period shall continue beyond one year and performance security will be released after rectification.

33. The contractor shall have to attend the local bodies like Municipality/Police/CPWD/Labour officer and all other Government authorities to fulfil all the requirements to execute the order

34. REMOVAL OF PERSON EMPLOYED AT SITE: SAMEER shall be at liberty to ask the contractor to remove from the site any person, employed by the contractor in the execution of work, for misconducts, in competent or negligent in the proper performance of his duties and such persons shall not be again employed upon the work without the permission of SAMEER.

35. SAMEER will be at liberty to take samples during the course of execution of work, if necessary and get the same tested to ascertain the quality conforming to relevant specifications. The cost of sample and the charges for the testing will have to be borne by the contractor.

36. Irrespective of rates quoted by the bidder, the contractor shall be solely responsible for payment of Minimum Wages as stipulated by the Government from time to time.

37. The contractor will take utmost care to prevent from any damage to the property of SAMEER while execution of work. If any damage arise apart from repair of maintenance work will be rectified by contractor at his own cost to the satisfaction of SAMEER.

38. AWARD OF WORK: SAMEER will not be bound to accept the lowest tender and reserves the right to accept or reject any or all the tenders received and to place order to one or more firms without

assigning any reason thereof. The notification of award of contract will be made in writing to the best responsive bidder who is technically suitable and financially acceptable after evaluation of financial bid.

39. As the work will have to be carried out in building and area in use the contractor shall ensure a) That the normal functioning of Employer is not effected as far as possible b) That the work is carried out in an orderly manner without noise and obstruction to flow of traffic. C) Contractor will arrange photo identity card for his workers with approval of SAMEER.

40. Safety Measures: The contractor shall ensure safety of his workers /Sameer's Staff/Consultants and 3rd party and others at site of work and shall be responsible for any consequence arising out of execution of civil work. The contractor shall obtain valid license issued by appropriate Govt to comply with the provisions as per the contract labour to execute the work.

Workmen's Compensation for accident or injury to any workman: SAMEER shall not be liable for damages or compensation payable as per provision of law in respect or consequence of any **accident or injury** to any workmen or other person in the employment of the contractor. The contractor shall have to pay all claims, demands, preceding costs, charges and expenses whatsoever in respect thereof or in relation thereto. **Insurance policy** covering as per provisions of Workmen's compensation act for all the workmen to be engaged by the contractor is to be made by him.

Apart from the above workmen compensation for workers, third party insurance will also be made. Copy of the documents relating to the above effect should be produced to SAMEER on demand.

41. CLEARING SITE ON COMPLETION: On Completion of the work the contractor shall clear away and remove from the site all constructional plant, surplus materials, rubbish and temporary work of every kind and leave the whole of the site and work clean and in good and tidy condition to the satisfaction of SAMEER.

42. TERMINATION OF WORK ORDER : If the contractor neglects or fail to proceed with the work proportionate to the scheduled time of completion or fails to complete the work within scheduled time of completion or within extended time approved by SAMEER and SAMEER shall have right to terminate the order/contract after giving notice in writing to the contractor. If the contractor fails, after 14 (fourteen) days' of such notice, to proceed with the work in the manner notified, SAMEER shall terminate the contract and call the contractor to take joint measurement along with the Engineer for finished portion of work. If the Contractor does not appear for a joint measurement, measurement taken by SAMEER will be taken as final and bound. In that case, SAMEER shall take possession of the work site and may engage other agency to complete the work. Extra cost, if incurred to get the unfinished work done through other agency, will be realized from him, from his pending bills or performance security deposit or both as case may be. If the contract is terminated as above, the contractor shall have no claim for

compensation against SAMEER for any loss or deterioration of any materials that he may have collected or engaged or entered into on account of the work.

43. SETTLEMENT OF DISPUTES: All disputes concerning question of act arising under the contract shall be decided by SAMEER on receipt of written appeal by the contractor. Any dispute or differences arising out of or in connection with this contract shall to the extent possible be settled amicably and where settlement cannot be reached then such disputes shall be subject to settlement under the jurisdiction of Calcutta High Court.

44. DEVIATIONS TO TENDER : Tenderers are advised to submit the tender strictly based on the terms and conditions and specification contained in the Tender Document and not to stipulate any deviation. Conditional tenders are liable to be rejected

45. If any such case the competent authority may give a fair and reasonable extension of time for completion of the work. Such extension shall be communicated to the contractor and no compensation whatsoever for the extended period, if any shall be applicable/ payable.

46. CORRECTIONS : No corrections or overwriting will be entertained in schedule of rates by using correcting fluid. All correction in the schedule of rate should be initialled.

47. Necessary approved drawing will be provided after placement of workorder.

48. DEFINITION OF TERMS :

i) The 'Contractor' shall mean the individual or firm or company, whether corporate or not, undertaking the works and shall include the legal personal representative or such individual or the persons composing such firm or company and the permitted assignee of such individual or firm or company.

ii) Equipment/materials shall mean and include all type of construction equipment & materials etc. required for true and satisfactory completion of the work under this contract.

The Engineer-in-charge means the Technical Officer of SAMEER, as the case may be who shall supervise and be the In-charge of the works.

The 'Date of Completion' is the date / date(s) for completion of the whole works, set out in the tender documents, or any subsequently amended by SAMEER.

The 'Works' shall mean the works to be executed in accordance with the contract or part(s) thereof as the case may be and shall include all extra or additional, altered or instituted works or temporary and urgent works as required for performance of the contract.

SAMEER referred here as "Society for Applied Microwave Electronics Engineering and Research", Plot-L2, Block-GP, Sec-V, Salt Lake Electronics Complex, Kolkata-700091

-----XX-----

UNDERTAKING BY THE BIDDER

(To be given in Company`s letter head of the bidder and submitted in Technical Bid)

UNDERTAKING

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract and all other contents in the tender documents for the work.

I / We, hereby tender for execution of the work specified for the Society for Applied Microwave Electronics Engineering and Research (SAMEER) Kolkata within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing. We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs. _____ has been deposited in cash/ demand draft of a scheduled bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Office-In-Charge, SAMEER Kolkata or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely.

Further, if I / we fail to commence work as specified, I / we agree that the Officer-In-Charge, SAMEER Kolkata shall without prejudice to any other right or be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We hereby declare that I / We shall treat the tender documents, drawings and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Seal & Signature of Contractor

Postal Address

Dated

Witness

Address

Occupation

Check List of Tender Documents

Name of the Tenderer: _____

Srl No.	Item required	In response (YES/NO)- To be filled up by the contractor
1	Has the tenderer submitted the requisite EMD in the prescribed form along with the technical bid (Envelope-I)	
2	Have all the pages of the tender document and the supporting documents required to be signed and enclosed with the technical bid by the tenderer / authorized representative of the tenderer been signed and enclosed with the technical bid (Envelope-I)	
3	Has the authority/ power of attorney been submitted in the name of authorized representative on a non-judicial stamp paper (if applicable).	
4	Has the tenderer submitted all the required documents in support of "Eligibility criteria"	
5	Is the price bid (Envelope-II) submitted separately in a sealed envelope	
6	Has the tendere submitted "Undertaking" alongwtih Technical Bid.	
7	Has submitted "Work Programme Schedule" alongwith Technical Bid	

AUTHORIZED SIGNATURE

SEC-IV: SCHEDULE OF QUANTITIES

Schedule of quantities please see
the Annexure attached:

SEC-V: TECHNICAL SPECIFICATIONS (CIVIL WORKS)

APPROVED MAKE LIST OF MATERIALS TO BE USED WHEREVER APPLICABLE

1) General

Specifications, scope of work, schedule of rates and drawings for a particular tender shall be read in conjunction with each other. In case of conflicts/contradictions amongst them, the clarification shall be obtained from SAMEER whose decision, shall be final & binding. Following procedure shall be followed for the necessary clarification.

- A. Item description shall prevail over specifications for item rates when provisions therein are different from those in specifications. Whenever any requirement is not covered in item description but is conversed in specifications, the specifications shall be followed in addition to the requirements of item description; no extra payment shall be made to the contractor for executing such item as per specification.
- B. Whenever drawing call for requirements different from or additional to those in item description and specification, the decision of SAMEER shall be obtained. However no extra payment shall be made to the contractor for executing any work incorporating requirements additional to those in item description and specification but covered in applicable drawings or standards. Wherever references has been made to Indian standard or any other specifications the same shall mean to refer to the latest specifications irrespective of any particular edition of such specifications being mentioned in the specifications below in schedule of quantities.

2) WORKMANSHIP

Workmanship shall be to the satisfaction of SAMEER, the contractor shall follow the specification, relevant codes & manufacturer's guidelines for achieving desired level of workmanship as per specification & good engineering practice, any executed work not conforming to the specification or not to the satisfaction of SAMEER shall be rectified by the contractor as directed by SAMEER, no extra payment shall be made to the contractor for such rectification.

3) MEASUREMENT

Mode of measurement is generally specified in each specification ,whenever mode of measurement is not specified, relevant IS- code, shall be applicable.

4) MATERIALS

- (a) All materials shall be best of their kind and shall conform to the latest Indian standard
- (b) All materials shall be of approved quality as per samples and from origins approved by SAMEER before ordering & procurement. The contractor shall furnish necessary certificates further to that he shall get the materials tested from approved test house if asked by SAMEER & submit the test certificate at his own cost for which no extra payment shall be made to him . SAMEER shall have the right to reject all or any of the materials intended to be used and such materials shall be immediately removed from the site by the contractor at his own cost without any claim for Compensation etc. due to such rejection.
- (c) A set of specimen samples of all approved materials shall be kept at site with all precautionary measure, cost of which to be borne by the contractor.

5) CEMENT

Unless otherwise specifically called for, cement for RCC and PCC / lean concrete works shall be one the following. The type of cement selected shall be appropriate for the intended use.

Portland slag cement .	IS:455
Portland puzzling cement (fly ash based)	IS:1489(part-1)
Portland pozzolana cement (claimed clay based)	IS:1489(part-2)

PREFERABLE BRAND NAME OF CEMENT COMPANEY -

ACC/ULTRATECH/LAFARGE/AMBUJA / Birla Gold

Cement shall be stored on pucca go down with raised floor and should be water tight.

6) M.S. EINFORCEMENT

All steel bars, sections, plates and other miscellaneous steel materials, etc. shall be free from loose mill scales, rust as well as oil, mud, paint or other coatings. The materials, construction, specifications such as Dimensions, Shape, Weight, Tolerances, testing etc., for all materials covered under this section shall conform to respective IS codes .

All steel bars, sections, plates and other miscellaneous steel materials steel reinforcement shall be stored in a way as to prevent distortion and corrosion.

Steel reinforcement of different classification, sizes and lengths shall be stored separately to facilitate issues in such sizes and lengths as to minimize wastage in cutting from standard lengths.

High strength deformed (HSD) steel bars of minimum grade Fe500. Conforming to IS: -1786 shall be used.

PREFERABLE BRAND NAME OF STEEL COMPANEY-SAIL/TATA.

7) STONE CHIPS

Stone chips shall be hard, dense, strong, sound, and durable. Clean and uniform in color, they shall also be free from veins. Adherent coatings. Injurious amounts of alkalis, vegetable matters and other deleterious substance such as iron pyrites. Cold, lignite, mica, sea shells etc. as far as possible stones from one single quarry shall be used for anyone work. The strength of stones should be adequate to carry, the imposed load and shall meet all the requirements of relevant IS Code, taking into accounts the appreciate crushing strength of stone and type of the mortar used. The percentage of water absorption, when tested in accordance with IS: 1124 shall not exceed 5%.

8) COURSE SAND

Shall be either river sand or pit-sand, clean, sharp, strong, angular and composed of hard siliceous materials. It shall be approved by SAMEER. The sand shall conform to relevant IS code (IS: 383). Fineness modulus shall not be less than 2.5. The maximum quantity of silt shall not exceed 8%.

i) FINE SAND

This shall be natural river sand. Fineness modules shall not be less than 1.0. The maximum quantity of silt shall not exceed 8%. The sand shall conform to relevant IS specification (IS: 383).

9) BRICKS

Bricks for masonry work shall conform to IS: 1077- specification for common burnt clay building bricks and shall be of class 5.0 (with minimum compressive strength of 5.0 N/Sq mm). Physical requirements, quality, dimension, Tolerances etc. of common burnt clay building bricks shall conform to the requirements of IS: 1077. Bricks shall be hand- modular or machine -molded and shall be made from suitable soils. The brick shall have smooth rectangular faces with sharp corners and shall be well burnt,

sound, hard, tough and uniform in color. These shall be free from cracks, chips, flaws, stone or lumps of any kind. Testing of the bricks shall be done as per IS: 5454 and IS: 3495. Water absorption shall not be more than 20% by its dry weight when soaked in cold water for 24 hours .

10) ADMIXTURES

General requirements for admixtures.

All concrete Admixtures shall comply with the following Indian standards

Specification for integral cements water proofing compounds	IS:2645
Specification for other admixtures for concrete	IS:9103

in case of non availability of any IS code for testing and acceptability criteria.

Relevant American/ British or German code shall be applicable.

No admixture shall impair the durability of the concrete nor combine with the ingredients to form harmful compound nor increase the risk of corrosion of reinforcement . Use of admixture shall not reduce-the dry density of concrete. Once the proportion of admixtures have been. Established, strict check shall be maintained not to alter the proportion of ingredients such as water- cement ratio of the design mix during execution. The chloride contains in admixtures shall not exceed 2% by mass of the admixture or 0.03% by mass of the cement.

PREFERABLE BRAND NAME OF BUILDING CHEMICAL COMPANEY-SIKA/FOSROC/Dr. FIXIT/CHOKSEY.

11) WATER PROOFING COMPOUNDS

The polymer modified, flexible cementitious negative side waterproofing coating with elastic waterproofing polymers on interior wall plaster surface in three coats @14.35 kg /10 sqm. one coat of self priming of cementitious waterproofing polymer(dilution with water in the ratio of 1:1) and two coats of cementitious waterproofing polymer (dilution with water in the ratio of 3:1) after scrapping and properly cleaning the surface to remove pre-existing paint film & loose particles till plaster is visible, complete in all respect as per the direction of Engineer-in-Charge.

PREFERABLE BRAND NAME OF BUILDING WATER PROOFING COMPOUNDS COMPANEY-SIKA/FOSROC/Dr. FIXIT/CHOKSEY.

12) POLY SULPHIDE SEALANTS

All Polysulphide sealants shall conform to IS: 12118. Test conditions and requirements shall be as given in the above reference IS code and approved by SAMEER.

13) SANITARY & PLUMBING WORK

I) All SANITARY & PLUMBING Item including C.P.V.C pipes shall conform to the requirements of IS:4985 of several dia, pipes (medium density) conforming ASTM- 1785 thread properly With all necessary accessories, specially (Socket, bend, tee, union, elbow, long Screw, reducing socket, including Jointing materials are of Best quality as specified and approved by SAMEER, the pipe shall be provided complete with necessary clamps, connections, bends, tees, other accessories (as per approved manufactures specifications) and shall be jointed with approved quality bonding solution. Embedded rain water pipe shall be suitably embedded/ encased in masonry/ cement concrete (M20) with nominal reinforcement. Embedding within RCC should be avoided as far as -practicable.

PREFERABLE BRAND NAME OF C.P.V.C PIPES COMPANEY-SUPREME/ ORI-PLAST, AND
SANITARY FITTINGS COMPANEY -
HINDWARE/PARRYWARE/JAGUAR/JOHNSON/NEYCR/ESCO.

14) WOOD/TIMBER

Wood recommended from platform of cold vessels or below cold vessels/ exchangers shall be of group-a, grade-1, and shall have safe permissible stress of 7 MPa in compression, perpendicular to grains on outside location as per IS:3629. Timber required to be used for form work shall be fairly dry before use. It should maintain its shape during the use and even when it comes into contact with moisture from the concrete. Strength of wood/ timber shall be as per the requirements of IS: 4082.]

15) TECHNICAL SPECIFICATION OF REPAINTING & RESTORATION OF CIVIL WORKS

a. STRUCTURAL SUPPORT:

Providing appropriate & safe structural support in and around distress zone before taking up chipping or restoration work by using Sal-Ballah, heavy duty collapsible props or steel pipes as deemed necessary to ensure safety of the structure, under safe working condition as per approval of SAMEER.

b. CHIPPING & REMOVAL

Chipping and removal of damaged deteriorated, unbounded, spalled and unserviceable plaster and concrete and exposing the firm sound surface, including necessary staging and Scaffolding.

c. CLEANING & SURFACE PREPARATION

Cleaning & preparation of the surface by mechanical means using powdered sand or high pressure water jet and wire brushing to expose firm, sound substrate inclusive of necessary staging and scaffolding as directed by SAMEER.

CONCRETE WORK

Cement concrete: It shall be mixed in the proportion and with ingredients as specified in the schedule of quantities. The concrete shall be mixed in a mechanical mixer. No more concrete shall be mixed than can be consumed within half an hour. It shall be deposited gently in horizontal layers as per required thickness After laying and consolidation is completed watering twice a day, form the next day, for two week shall be done. Measurements shall be exact length, breath, and depth ordered by the Employers or as shown or figured on the drawing and after the concentrate is consolidated.

d. REINFORCED CEMENT CONCRETE WORK

General

Reinforced cement concrete work may be cast-in-situ or precast as directed. Reinforced cement concrete work shall comprise of the following which may be paid separately or collectively as per the deception of the item of the work (a) form work (b) reinforcement (c) concrete (d) plastering or other finishing on concrete surface. All concrete works shall be carried out as per the provisions of IS: 456, IS: 3370, IS: 2974, and other relevant IS codes. concrete mix proportioning and design mix sampling and strength test of concrete, production and control of concrete, tolerances and placing of reinforcement and for cover, transporting, placing, compacting and curing etc, inspection and testing of structure shall be specified in IS:456.as directed by SAMEER. Minimum strength of R.C.C. should be 20 N/Sq. mm, Minimum mix for cement, sand, plastering on wall and that on concrete surface 1:4.

The damp proof course shall be laid in two layers of equal thickness.

From work and stripping of form work shall as per the provision of IS: 456.
Assembly of reinforcement in RCC structure shall conform to IS: 456.

All masonry works shall be carried out as per the provisions of IS: 1597/2212/4326 and other relevant IS codes.

Fabrication of structural steel work shall be carried out as per the provisions of IS: 800/801/802/806 and other relevant IS codes. fabrication shall include cleaning, straightening, cutting, bending, holding, bolting, welding marking, assembling, erecting, inspecting and testing etc. welding procedure and welder qualification shall be as per IS :800 and / or referred IS codes only.

WATER & STEEL

1	IS:3025	Method of sampling and test for water used in industry.
2	IS:432	Mild steel and medium tensile bars and hard drawn steel wire for concrete reinforcement.
3	IS:1139	Hot rolled mild steel, medium tensile steel and yield strength steel deformed bars for concrete reinforcement.
4	IS1786	Cold twisted steel bars for concrete reinforcement

ANTI CORROSIVE TREATMENT TO EXISTING REINFORCED BAR:

Providing anticorrosive treatment to re-bars with a protective anticorrosive membrane Barrier using ANTICORR-B- corrosion inhibiting admixture with plasticized polymer modified cement slurry. Cleaning the exposed reinforcement preferably up to full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification] [Mode of Measurement: The affected surface area of reinforcement shall be considered for payment]

PLAIN CEMENT PLASTER:

- 1) Preparation of mortar
- 2) The mortar of specified mix shall be used as per schedule of quantities

APPLICATION OF PLASTER:

(A) One layer plaster

To ensure even thickness and a true surface, plaster about 150mm x 150mm shall be first applied horizontally and vertically at more than 2 meters intervals over the entire surface to serve as gauges. The surface of those gauge areas shall truly lie in the plane of the finished plaster surface. The mortar shall be brought to true surface by working with a wooden straight edge reaching across the gauges with small upward and sideways movement at a time. Finally the surface shall be finished off with a trowel or wooden float to obtain a smooth texture excessive troweling or overworking the float shall be avoided. All corners, arched edges, angles and junctions shall be truly vertical/ horizontal and shall be carefully finished. Rounding or chamfering of corners, arches, junctions shall be carried out with proper templates

to the size required. In suspending the work, the plaster shall be left cut clean to line both horizontally and vertically. When recommencing the plastering the edge of the old work shall be scrapped, clean and wetted before the adjoining area. Plastering work shall be closed on the border of the wall and nearer to 150mm to any corner or arises and shall not be closed on the body of the features such as plaster bands, cornices nor at the corners or arises.

Average thickness of plaster = 10mm, 15mm, 20mm as per requirement

B) Curing

Curing shall be started 24 hours after finishing the plaster. The plaster shall be kept wait for a period of 15 days. During this period the plaster shall be suitably protected from all damagers at the contractor's expense by such means as approved by the Employers. The date of execution of plastering shall be market on the plastering to ensure the proper duration of curing.

e. TILES FINISHING

f. MARBLE, GRANITE

MATERIALS

A) MARBLE, GRANITE slabs shall be 15 to 20mm thick and grade- 1 as specified. the MARBLE/ GRANITE form witch the slabs are made shall be of selected quality , hard, sound, dense, homogenous in texture, free from cracks, decay, weathering and flakes. the samples of marble stone slabs shall be got approved from SAMEER. The slabs shall be machine cut to the requisite dimensions

Tiles

Samples of tiles shall be got approved from SAMEER.

PREFERABLE BRAND NAME OF TILES COMPANEY-JOHNSON/KAJARIA.

g. PAINT :

Samples of Paint shall be got approved from SAMEER.

After the selection of Paints quality, types a standard Brand to be choice and specification is as Manufacturers specification.

PREFERABLE BRAND NAME OF PAINT COMPANEY-I.C.I/ASIANPAINTS/BERGER.INDIGO FLOOR PAINT (BEST QUALITY TOP GRADE)

PREFERABLE BRAND NAME OF PUTTY COMPANEY-JK/BIRLA/ASIAN WALL PUTTY

h. EXTRA ITEM

PAYMENT OF NON-SCHEDULED ITEMS: Payment will be made for various items as per existing CPWD/ PWD (state) rate. If not available in CPWD/ PWD payment will be made based on prevailing market rate with submission of rate analysis and admitted by SAMEER before execution of work.

-----XXXX-----

FORM OF TENDER

(To be filled up by the tenderer and to be submitted in their letter head along with the FINANCIAL BID)

Name of work: Execution of civil work (re-construction of wall, drain, water tank slab, entrance gate etc) for Salt Lake Sec-V and Sec-III office premises at "SAMEER Kolkata Centre

To
The Officer-In-Charge
SAMEER Kolkata Centre
Salt Lake, Kolkata

Date:

Ref : SMR (K)/CIVIL/Minor/22-23

Dear Sir,

I/We, _____ Son/Daughter of Sri _____
Proprietor/Partner/CEO/MD/Director of M/s. _____ of (Address)
_____ having
examined the site of works, carefully read and understood the Specifications, General Conditions of Contract and Conditions of the Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the schedule of quantities, specifications and General Terms and Conditions of Contract.

THE TOTAL AMOUNT PUT TO TENDER Rs. _____ (Rupees
_____).

I also declare that the information / documents furnished along with the application and tender are true and authentic to the best of my knowledge and belief. I am well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender / termination of contract at any stage besides liabilities towards prosecution under appropriate law. Each page of the tender document and papers submitted by my Company are authenticated, sealed and signed, and I take full responsibility for the entire documents submitted with this tender.

Signature of the Tenderer / Authorised person
(Seal of the Tenderer)

Name of the Tenderer _____ (in Block letters)

Signature: _____

Name: _____

Address :(in block letters) _____

Seal

ANNEXURE

SCHEDULE OF QUANTITIES								
Sl.No.	Description of items	Unit	Qty	Rate (Rs)	Amount(Rs.)	Rate of GST in	Total GST amount (Rs.)	Amount(Rs) included GST
	Sec-III							
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.							
	All kinds of soil	cum	30.00					
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.							
	15.2.1 Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	3.50					
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres from G.L lead as per direction of Engineer - in- charge.	cum	2.50					
4	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in-charge	sqm	40.00					
5	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead from GL as per direction of Engineer-in-charge.							
	In cement mortar	cum	25.00					

6	Dismantling steel work in built up sections in angles, tees, flats and channels or HSS including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead from GL	kg	450.00					
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	65.00					
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) as per direction of EIC	cum	12.00					
9	(1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	8.00					
10	Centering and shuttering including strutting, propping etc. and removal of form for :							
	Lintels, beams, plinth beams, girders, bressumers and cantilever	sqm	75.00					
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.							
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	2,100.00					
12	Welding by Electrodes or gas or electric plant including transportation of plant at site etc. complete	cm	500.00					

13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :							
	Cement mortar 1:4 (1 cement : 4 coarse sand	cum	25.00					
14	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.							
	Cement mortar 1:3 (1 cement :3 coarse sand) s	sqm	220.00					
15	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.							
	With G.I. barbed wire	meter	600.00					
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required							
17	gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	1,000.00					
18a	20 mm cement plaster of mix :							
18b	1:4 (1 cement: 4 coarse sand)	sqm	320.00					
19	Applying priming coat:							
	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works s	sqm	150.00					

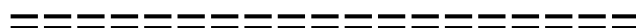
20.a	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :							
20.b	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	150.00					
21	Finishing walls with Acrylic Smooth exterior paint of required shade :							
	(Two or more coat applied @ 1.67 ltr/10 sqm and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	320.00					
Sec-V								
22	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres from G.L lead as per direction of Engineer - in- charge.	cum	2.10					
23	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in-charge	sqm	25.50					
24	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead from GL as per direction of Engineer-in-charge.							
	In cement mortar	cum	1.50					
25	Dismantling steel work in built up sections in angles, tees, flats and channels or HSS including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead from GL	kg	500.00					

26	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	5.50					
27	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) as per direction of EIC	cum	22.00					
28	Centering and shuttering including strutting, propping etc. and removal of form for :							
	Suspended floors, roofs, landings, balconies and access platform	sqm	65.00					
29	Lintels, beams, plinth beams, girders, bressumers and cantilever	sqm	55.00					
30	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	28.00					
31	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.							
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	3,200.01					
32	Welding by Electrodes or gas or electric plant including transportation of plant at site etc. complete	cm	500.00					

33	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :							
	Cement mortar 1:4 (1 cement : 4 coarse sand	cum	2.50					
34	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.							
	Cement mortar 1:3 (1 cement :3 coarse sand)	sqm	38.50					
35	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.							
	Bars above 12 mm diameter	Metre	105.01					
36	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC for bonding between old and new concrete as per specifications and direction of Engineer-In-charge complete in all respect.							
	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	sqm	5.00					
37	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required							
	gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	700.00					

38	20 mm cement plaster of mix :							
	1:4 (1 cement: 4 coarse sand)	sqm	275.00					
39	Applying priming coat:							
	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works s	sqm	80.00					
40	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :							
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	80.00					
41	Finishing walls with Acrylic Smooth exterior paint of required shade :							
	(Two or more coat applied @ 1.67 ltr/10 sqm and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	275.00					
42	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.							
	Granite stone slab all colour and texture except black, Cherry/Ruby red. Area of slab upto 0.50 sqm	sqm	20.00					
GRAND TOTAL(INCL GST)								

AMENDMENT



The following amendments have been incorporated after Pre-bid meeting dated on 24th May, 2022 :

Srl No.	In place of	Amended page in tender document	To be read as
1	Time Limit for execution – 90 DAYS	Page – 2 (Notice Inviting Tender)	Time Limit for execution – 120 DAYS
2	v). Tender fee,	Page – 7 (Sec-I: General Instruction)	v. Removed
3	X). Eligibility Criteria : h) Rs. 20.00 (fifteen) lakhs. m) Valid registration with Sales Tax department for Work Contract Tax	Page – 8 (Sec-I: General Instruction)	X). Eligibility Criteria : h) Rs. 20.00 Lakhs (Rupees twenty Lakhs). m) Removed
4.	ii) . Other works will be ex	Page -10 (SEC-II: Scope of Work)	removed
5	Addendum: New clause is incorporated in Terms and Conditions (Sec-III)	Page -17 (SEC-III: Terms and Conditions)	49. Rate of GST has been considered as 18%. If there shall be any change made by the Government in the rate of GST at the time of payment to the contractor, necessary adjustment shall be

			made in full, e.g. if bill decreased/increased, the difference shall be deducted/added from/in the bill.
6	6) M. S. EINFORCEMENT	Page 22 (SEC-IV): SCHEDULE OF QUANTITIES	6) M. S. REINFORCEMENT
7	CONCRETE WORK: for two week shall be done.	Page 24 (SEC-IV): SCHEDULE OF QUANTITIES	for minimum two week shall be done..
8	B) Curing : for a period of 15 days.	Page 26 (SEC-IV): SCHEDULE OF QUANTITIES	for a period of minimum 15 days.
9.	Serial No. Of schedule of quantities 1,2,3,.....42	Page 1-7 (SEC-IV): ANNEXURE OF SCHEDULE OF QUANTITIES	Serial No. Of schedule of quantities revised as 1,2,3,.....39. (All bidders are requested to quote as per REVISED ANNEXURE, SCHEDULED OF QUANTITIES as enclosed herewith.

REVISED ANNEXURE

(Bidders are requested to quote as per below schedule of quantity)

SCHEDULE OF QUANTITIES								
Sl.No.	Description of items	Unit	Qty	Rate (Rs)	Amount(Rs.)	Rate of GST in percentage	Total GST amount (Rs.)	Amount(Rs) included GST
Sec-III								
1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.							
	All kinds of soil	cum	30.00					
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.							
	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	3.50					
3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres from G.L lead as per direction of Engineer - in- charge.	cum	2.50					
4	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in-charge	sqm	40.00					
5	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead from GL as per direction of Engineer-in-charge.							
	In cement mortar	cum	25.00					

6	Dismantling steel work in built up sections in angles, tees, flats and channels or HSS including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead from GL	kg	450.00					
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	65.00					
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) as per direction of EIC	cum	12.00					
9	(1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	8.00					
10	Centering and shuttering including strutting, propping etc. and removal of form for :							
	Lintels, beams, plinth beams, girders, bressumers and cantilever	sqm	75.00					
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.							
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	2,100.00					
12	Welding by Electrodes or gas or electric plant including transportation of plant at site etc. complete	cm	500.00					

13	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :							
	Cement mortar 1:4 (1 cement : 4 coarse sand	cum	25.00					
14	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.							
	Cement mortar 1:3 (1 cement :3 coarse sand) s	sqm	220.00					
15	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.							
	With G.I. barbed wire	meter	600.00					
16	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required							
	gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	1,000.00					
17	20 mm cement plaster of mix :							
	1:4 (1 cement: 4 coarse sand)	sqm	320.00					
18	Applying priming coat:							
	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works s	sqm	150.00					

19	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :							
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	150.00					
20	Finishing walls with Acrylic Smooth exterior paint of required shade :							
	(Two or more coat applied @ 1.67 ltr/10 sqm and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	320.00					
Sec-V								
21	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres from G.L lead as per direction of Engineer - in- charge.	cum	2.10					
22	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer in-charge	sqm	25.50					
23	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead from GL as per direction of Engineer-in-charge.							
	In cement mortar	cum	1.50					
24	Dismantling steel work in built up sections in angles, tees, flats and channels or HSS including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead from GL	kg	500.00					

25	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	5.50					
26	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size) as per direction of EIC	cum	22.00					
27	Centering and shuttering including strutting, propping etc. and removal of form for :							
27.a	Suspended floors, roofs, landings, balconies and access platform	sqm	65.00					
27.b	Lintels, beams, plinth beams, girders, bressumers and cantilever	sqm	55.00					
27.c	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	28.00					
28	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.							
	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	3,200.01					
29	Welding by Electrodes or gas or electric plant including transportation of plant at site etc. complete	cm	500.00					
30	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :							

	Cement mortar 1:4 (1 cement : 4 coarse sand	cum	2.50					
31	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.							
	Cement mortar 1:3 (1 cement :3 coarse sand)	sqm	38.50					
32	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.							
	Bars above 12 mm diameter	Metre	105.01					
33	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC for bonding between old and new concrete as per specifications and direction of Engineer-In-charge complete in all respect.							
	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer.	sqm	5.00					
34	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required							
	gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	700.00					
35	20 mm cement plaster of mix :							
	1:4 (1 cement: 4 coarse sand)	sqm	275.00					
	Applying priming coat:							

36	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works s	sqm	80.00					
37	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :							
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	sqm	80.00					
38	Finishing walls with Acrylic Smooth exterior paint of required shade :							
	(Two or more coat applied @ 1.67 ltr/10 sqm and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	sqm	275.00					
39	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.							
	Granite stone slab all colour and texture except black, Cherry/Ruby red. Area of slab upto 0.50 sqm	sqm	20.00					
GRAND TOTAL(INCL GST)								