

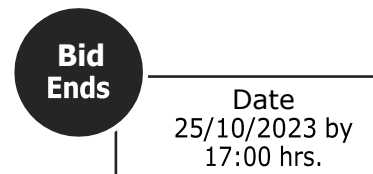
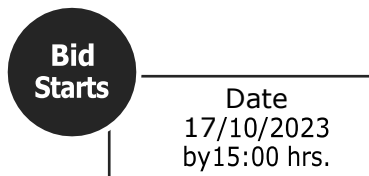
CU/CO/S/RP/2023/10/01

Date-17/10/2023



REQUEST FOR PROPOSAL

**Construction of IAQ and Balanced Ambient Calorimeter Chamber
(extension of existing LECTB LAB), CEPT University, Ahmedabad.**



Tender Fee • Rs. 5,000.00

Address:

CEPT University, K L Campus, University Road, Navrangpura, Ahmedabad- 380009
Ph.:079 – 68310000 Fax: 079-2630 2075
E-mail: sjchauhan@cept.ac.in, yash.shukla@cept.ac.in URL: www.cept.ac.in

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CONTRACT DATA

1. Notice Inviting Tender

CEPT University (referred as a "Client" hereafter) is inviting sealed quotations from established, reputed and experienced firms to construct LECTB Lab extension at CEPT University.

Name of work	Construction of IAQ and Balanced Ambient Calorimeter Chamber (Proposed extension of existing LAB), CEPT University, Ahmedabad.
Bids forms available from	Date 17/10/2023 by 15:00 hrs.
Bid forms downloading source	http://cept.ac.in/tenders
Last date for bid submission	Date 25/10/2023 till 17:00 hrs.
Pre-bid Meeting Date & Location	Date 20/10/2023 @ 12:00 hrs. Location: FP 213
Tender Fee	Rs. 5,000/- (Rupees Four only)
EMD	Rs. 20,000/- (Rupees Twenty Thousand only)
Contract Duration	06 (Six) Months
Defect Liability Period	1 year from date of certification of Final Bill
Bid Validity	90 days from the date of submission.
Place of Work	CEPT University, K L Campus, University Road, Navrangpura, Ahmedabad
Retention Money	5% of Bill Amount
Contact details for bid related communications	1) Chief Purchase Officer ,CEPT University Contact no. 079-26302470 ext. 104 Email: sjchauhan@cept.ac.in 2) Mr. Yash Shukla, Ph.D. Principal Researcher and Centre HEAD, Centre for Advanced Research in Building Science and Energy (CARBSE) Contact no. 079-6831000 ext 373 Email - yash.shukla@cept.ac.in

Bid submission address	C/o Chief Purchase Officer, CEPT University, Kasturbhai Lalbhai Campus, University Road, Navrangpura, Ahmedabad- 380009
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Terms:

- A. Complete set of tender documents will be available on CEPT University website: <http://cept.ac.in/tenders> from 17/10/2023, 15:00 hrs. to 25/10/2023, 17:00 hrs.
- B. Interested parties are needed to attend pre-bid meeting session as mentioned above at "bid submission address" to get brief idea about the services.
- C. It is advisable to refer to all tender documents carefully before submitting the tender.
- D. Bid submitted other than specified format and without Tender Fee, and Earnest Money Deposit (EMD) will be straightaway rejected without any prior information.
- E. The envelopes containing the two bid documents must be separately labeled as "Offer for construction of LECTB Lab extension - Technical Bid" and "Offer for construction of LECTB Lab extension -Financial Bid". The third envelope should contain the Tender fee and EMD (separate DD/pay- order respectively) in valid format.
- F. All the three envelopes as above shall be inserted in another envelope with name and address as mentioned below and envelope shall be labeled as "Offer for construction of LECTB Lab extension". Complete bids must be submitted in hard copy format only on or before the date, time and at the following address.

**Chief Purchase Officer (CPO), CEPT University, K L Campus,
University Road, Navrangpura, Ahmedabad-380009**
- G. CEPT University will not be responsible for any delay in bid submission caused by courier/post.
- H. For any query related to scope of work, terms and other information mentioned in tender document, communication to be done only with above provided contact details preferably via email.
- I. CEPT University reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids, at any time prior to award of contract, without incurring any liability to the affected bidder or bidders.

2. Place of Work

- Address : CEPT University, K.L. campus, university road,
Navrangpura Ahmedabad, 380009

Section-I Instruction to Bidders

3. Rates, Taxes and Prices:

- 3.1. Bidders should quote unit price in the prescribed financial bid format as per Annexure-F
- 3.2. Prices quoted shall be exclusive of all taxes but inclusive of all other statutory charges, allowance, transportation charges and management fees etc.
- 3.3. Prices quoted and accepted shall be valid for the period of the contract and will be binding on the bidder. No variation will be permitted in quoted prices during the contract period.

4. Tender Fee:

- 4.1. Tender fee to be prepared in favor of "CEPT University" through demand draft/pay order only.
- 4.2. Tender fee submitted by bidder is non-refundable and will not be refunded in any case.

5. Earnest Money Deposit (EMD):

- 5.1. EMD to be prepared in favor of "CEPT University" through demand draft/pay order only.
- 5.2. EMD for unsuccessful bidders will be refunded within 30 working days from the date of award of contract.
- 5.3. EMD can be forfeited if the bidder fails to commence the work as per contract schedule.
- 5.4. There will be no Interest payable on EMD.

6. Bid Validity:

- 6.1. Proposal will remain valid for 90 days from the date of submission.

7. Bid Submission:

- 7.1. The financial bids must be submitted in sealed covers in the format as prescribed in the Annexures at the end of the document.
- 7.2. Bidders are advised to visit the campus well in advance from the date fixed for submission of the tender. A bidder shall be deemed to have full knowledge of all the relevant documents, site, and nature of work.
- 7.3. Proposals with Tender Fee, EMD, and other require documents only be considered for further evaluation process.
- 7.4. Proposals received after the prescribed time and date shall be rejected.

8. Bid Opening:

- 8.1. The financial bid of those bidders, who has submitted all the required documents as requested in Contract Document, and verified by the competent authority, will only be considered.
- 8.2. Client is not bound to accept the lowest bid and may reject any proposal or any part of the proposal without assigning any reason, therefore.
- 8.3. The president, CEPT University reserves the right to reject whole or any part of the proposal and to split up the requirements or change any of the conditions without assigning any reason.

9. Security Deposit & Retention Money:

- 9.1. The successful bidder needs to submit the 5% of contract value as security deposit (including EMD) within 15 working days from issue of work order.
- 9.2. An amount of **5% of final certified bill amount** will be kept as retention money from each RA Bills for the period of 1 year from the date of submission of certified final bill.
- 9.3. Security deposit and retention money can be forfeited if the bidder fails to deliver required items and services as per contract conditions.
- 9.4. Security deposit will be released after completion of work along with final bill payment and retention money will be refunded **within 2 months** after successfully completion of 1 year from the date of submission of certified final bill. There will be no interest payable on it for the said period.

10. Award of Contract

- 10.1. The contract will be awarded to the successful bidder whose bid has been considered most suitable in terms of technically and financially for the said work.
- 10.2. Client reserves the right to cancel or revise or modify the contract terms without giving any reasons.
- 10.3. President, CEPT University shall be the final authority to reject full or any part of the Contractors/contractors contract, which is not confirming to the specifications and other terms and conditions. No payment shall be made for unsatisfactory service(s).

11. Insurance Policy

The contractor needs to submit the below-mentioned policies within 15 days of issuance of the work order.

Policies	Amount	Validity
Contractor All Risk Policy	Contract Amount	Contract Duration
Workmen Compensation Policy	Sufficient Amount	Contract Duration

12. Payment Terms

- 12.1. On successful completion of work and against submission of certified final bill rest bill amount will be paid (except retention money).
- 12.2. All the payments of bills shall be paid within 15-21 working days (subjected to final verification and certification of bill) and satisfactory completion of above-mentioned conditions for each bill type.

Section – II: Conditions of Contract

13. General Conditions of Contract-

- 13.1. The Vendor shall be solely liable for all payment/dues of the Workers employed and deployed by it. The Vendor shall fully indemnify CEPT University against all the payments, claims, and liabilities whatsoever incidental or directly arising out of or for compliance with or enforcement of the provisions of any of the labor or other laws to the extent they are applicable to establishment /work in CEPT University premises/facility.
- 13.2. Any liability arising on client due to Vendor's work shall be deducted from the bills of the Vendor and if the full amount is not recovered then the same shall be recovered from the security deposit of the Vendor. Client will not be accountable for any liability towards the workers of the Vendor.
- 13.3. The client reserves the right to alter the specifications of works of adding to or removing any items of work or of having portions of the same carried out departmentally or otherwise and such alterations and variations shall not violate this contract.
- 13.4. In the event of the Vendor fails to execute the work under contract in whole or in part an alternative arrangement will be made by the client at the risk and cost of the Vendor besides applicable fine/ penalty.
- 13.5. The Vendor shall be liable to pay compensation against any loss and damage caused to property of client or its students by the Vendor or his staff.
- 13.6. The Vendor shall personally be responsible for the conduct of his staff and in case of any complaint received against any staff; Vendor will be under obligation to change the worker when instructed by authority. The Vendor shall observe all the laws and will be responsible for any prosecution or liability arising from breach of any of those laws. Client will not hold any responsibility with regard to staff in the role of the Vendor whatsoever.
- 13.7. The Vendor and his staff shall follow the rules and regulations of the institute in force and instructions given to them from time to time. Client reserves the right to take action against the Vendor for violating the same.
- 13.8. Vendor's staff shall follow necessary record procedures performed by security endorsements at entry points of client premises while entering and existing the client premises.

- 13.9. Any action on the part of the Vendor to influence any officer of the institute or canvassing in any form shall make the bid liable for rejection.
- 13.10. Vendor will be fully responsible for any accident or mishaps involving workers engaged by the Vendor and the Vendor would pay claims made on this part. The Vendor shall indemnify the institute from any claims arising out of accidents, disabilities of any nature or death arising out of provisions under law, or any other nature in respect of all workers engaged by the bidder. The staff engaged by Vendor for working at client premises must be covered under accidental and life insurance by Vendor and supporting document to be submitted with client.
- 13.11. Vendor shall ensure that the personnel deployed by it are disciplined and do not participate in any activity prejudicial to the interest of the Client /Govt. Of India/any State/or any Union Territory.
- 13.12. In case of any theft or pilferages, loss or other offenses, Vendor should investigate and submit a report to client and maintain liaison with the police. FIR will be lodged by the client, wherever necessary. If need be, a joint inquiry comprising both the parties shall be conducted and the responsibility fixed.
- 13.13. For any dispute regarding any work order terms, decision of The President-CEPT University will be final and binding to Vendor.
- 13.14. The vendor will have to communicate the name of his authorized person, who shall be present on the works, and shall be authorized to sign the material requisition, receive instruction given verbally or on the order book, on behalf of the vendor.
- 13.15. Vendor will have to get prior approval from client's officer In-charge for any disposal of material/ground water on site, without pre-approval no disposal will be permitted on site.
- 13.16. For any additional work Prior-approval from client will be mandatory before starting of work.

14. Special Conditions of Contract

- 14.1. Vendor has to start the work within 2 weeks (after submitting Security Deposit, and Insurance policy as requested in Contract Documents) and

to complete the work within 180 Days from release of work order.

- 14.2. The vendor shall at their own expense make all necessary provisions for housing, water supply, and sanitary arrangements for their workers as well as for works and shall pay direct to the authorities concerned, all rates and taxes.
- 14.3. The vendor shall make their own arrangements for the necessary approach, road, for transport of their materials and be responsible for the compensation on account of damage to CEPT university property till completion of work.
- 14.4. All the royalty charges, Octroi and other duties & all taxes will be paid by the vendor; CEPT University will not be liable for such expenses.
- 14.5. Any material that is required to be stored on CEPT University premises should be kept in organized manner with prior approval from CEPT Authorities and should not obstruct routine working. No unnecessary material should be stored on CEPT University premises. Approval of storage of any such material should be taken in advance.
- 14.6. Any unapproved material found stored on CEPT University premises shall be removed immediately failing to which CEPT University have the right to remove it, at the risk and cost of the vendor and even to destroy it.
- 14.7. Any extra work that is required to be done other that stipulated in work order; must be discussed and approved from CEPT University authorized representative for settlement of extra work claim.
- 14.8. On completion of the work, the site shall be cleared by the Vendor within the stipulated period of time and shall be handed over in its original state to CEPT University.
- 14.9. Damage to work clause:

The vendor is solely responsible for all materials, machinery, tools and any temporary structure made to carry out the work till the time work is completed and handed over as per the standard and specification mentioned in contract. Until the handover of work, the vendor will take all necessary precautions to keep all the aforesaid works, materials, machinery, and plant tools.

- 14.10. Any components or part of the work shall not be given to any subcontractor without the approval of the competent authority of the CEPT University. The whole responsibility of the execution of the work, as per the terms and conditions of the contract, will entirely rest of the main contractor. The main contractor shall always keep his responsible representative, preferably a technical hand, on the work site with powers to sign M.R.s and take necessary decision and implement the instructions issued in the interest of efficient execution of the works.
- 14.11. The Officer-in-charge will fix the hours of work shall be executed beyond that period, during nighttime or in absence of the Officer-in charge of his authorized agent.
- 14.12. The vendor will be asked to present the sample of materials, and the approved samples will be preserved at the site of work, and no charge in the approved sample will be allowed, without the written permission of the CEPT University representative.
- 14.13. In any work is not executed according to the specifications, and the directions of the CEPT University representative, the same will be rejected, and the contractor has re execute the same without any financial implication to the CEPT University.
- 14.14. Contractor needs to submit all necessary information prescribed format shown in Annexure-I to client after completion of project.

15. Warranty Terms

- 15.1. The vendor will be fully responsible for providing free of cost service for any breakdown happened during period of 1 year from date of submission of certified final bill.
- 15.2. Warranty /Guaranty for equipment and materials used in/for construction be applicable as per manufactures terms but not less than 1 year.

Section-III Annexures and Forms

Annexure-A: Agreement Pro forma (Draft)

AGREEMENT for Construction of IAQ and Balanced Ambient Calorimeter Chamber (Proposed extension of existing LAB) at CEPT University and its premises at Navrangpura Ahmedabad

Agreement No.

Dt:

This agreement was made on **(date of agreement)** between CEPT University (hereinafter called as "client") of the one part and m/s. _____ (hereinafter called the "Contractor") on the other part.

Whereas the client being desirous of having provided and executed certain works mentioned, enumerated, or referred to in the scope of work and other conditions of the "proposal" and acceptance thereof, copy hereto annexed, all of which are deemed to form part of this contract and are included in the terms contract whenever herein used.

And whereas the company accepted the tender of contractor for, "Construction of IAQ and Balanced Ambient Calorimeter Chamber (Proposed extension of existing LAB), CEPT University, Ahmedabad." The provision and the execution of the said work at the rates stated in the "financial bid" (hereinafter called the "contract price ") which is annexed. The contracted value works out to Rs.__(rupees__). Reference (bid proposal and related correspondence)

Now this agreement witnessed & it is hereby agreed and declared as follows:

1. In consideration of the payments to be made to the contractor for the work to be executed by t, the Contractor does hereby covenant with the client that the Contractor will duly provide, execute, and complete the said work within the period **specified in the contract**, perform all other acts to be implied there from or may be reasonably necessary for the completion of the said works and in the manner and subject to the terms and conditions or stipulation mentioned in the contract.
2. The works shall be executed as per terms & conditions laid down in the tender document.

3. Security deposit and retention money.

- a) After successfully qualified for award for contract, earnest money deposit submitted by Contractor at the time of bidding process will be retained as security.
- b) 5% of total bill amount (exclusive of taxes) will be kept as retention money.
- c) Security deposit will be released after completion of construction along with final bill payment and retention money will be refunded within two months after successful completion of 1 year from the date of submission of certified final bill, there will be no interest payable on it for said period.
- d) Wherever the contracts are rescinded, the security deposit and retention money can be encashed, and the balance work will get done separately.
- e) The original Contractor shall be debarred from participating in the bidding process for executing the balance work. If the failed Contractor is JV or a partnership firm, then every member/partner of such a firm would be debarred from participating in the bidding process for the balance work either in his/her individual capacity or as a partner of any other JV/partnership firm.

The cost of stamp paper on this account shall be borne by Contractor.

- 4. All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by CEPT University and the decision of the CEPT University shall be final.

In witness whereof the said parties have hereunto set their hands the day and year first abovewritten.

For and on behalf of
Contractor
M/s

For, CEPT University

Witness
1. _____
2. _____

Witness
1. _____
2. _____

Schedule detailing the terms of work with rates thereof and the conditions of contract are annexed.

Annexure-B: Information from Bidder

1. Name of the bidder:
2. Complete address of the bidder:
3. Earnest money deposit enclosed: yes / no [please √] if yes, A.) Name of the bank. _____
B.) Amount (`) _____
C.) Demand draft/pay order no. _____
D.) Last validity date of the enclosed DD/PO _
4. Communication details of the concerned contact person to whom all references shall be made regarding this tender enquiry. [Note: any changes after submission of tender documents kindly update CEPT University]
 - A.) Full name:
 - B.) Complete postal address:
 - C.) Telephone no.:
 - D.) Fax no.:
 - E.) Mobile no.:
 - F.) E-mail:
 - G.) Website address:

Note: - demand drafts/pay order must be in favor of "CEPT University" and payable at Ahmedabad.

Annexure-C: Accounts Details filled by Bidder

Sr. No.	Particulars	Details
1	Name of bidder	
2	Permanent account no. (PAN)	
3	Particulars of bank account	
	• Name of bank	
	• Name of branch	
	• Branch code	
	• Address	
	• City name	
	• Telephone no.	
	• Type of account	
	• Account no.	
	• NEFT/IFSC code	
	• RTGS code	
	• MICR code appearing on the Cheque book	
4	Email id of bidder	

Note: - Please attach original cancelled Cheque

Annexure-D: Financial Bid Pro forma
(In separate sealed Cover-II superscribed as Financial Bid)
Please refer link below for detailed drawings for project work,

[LECTB Lab Ex- All Drawings](#)

[Annexure-1-Approved make for the items](#)

[Annexure-2-Clarity over queries raised by bidders in pre-bid meeting.](#)

Sr No.	Item Description	Qty.	UoM	Rate	Amount
1	Excavation for foundation up to 1.50 mt depth, including sorting out and stacking useful materials and disposing of the excavated stuff up to 55 mt lead- out of site, if any. ➤ Loose or soft soil	134	Cu.M.		
2	Excavation for foundation 1.50 mt to 3.00 mt depth, including sorting out and stacking useful materials and disposing of the excavated stuff up to 55 mt lead- out of site, if any. For Dense or hard Soil.	32	Cu.M.		
3	Filling available excavated Earth (Excluding Rock) in trench plinth side of foundation in a layer not excluding 20 cm in depth consolidation each deposited layer by ramming and watering, etc. complete.	108	Cu.M.		
4	Filling foundation and plinth with murrum or selected soil in a layer 20 cm thick, including ramming, watering, consolidating, etc., complete. (earth brought from outside)	525	Cu.M.		

5	<p>Carrying out anti-termite treatment to post-construction / existing structure by spraying chemical solution for termite control treatment, including labor and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II</p> <p>Concentration Weight, one percent is recommended, i.e., one liter 20 E.C. chemical emulsion with 19 liter gives 1 % concentration inclusive of one-liter chemical emulsion application at the rate of 5 Liter chemical / Sqm of the surface is recommended as per I.S. Contractor needs to submit the 10-year guarantee for said work on 300 Rs stamp paper.</p>	223	Sq.M.		
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6	Providing and filling rubbles up to 150 mm depth, including hand packing and filling interstices with quarry spalls behind abutments and between returns as directed. (Refer to the Structural Drawing- 'S04' for the 'Details of the Grade Slab.')	31	Cu.M.		
7	Providing and laying cement concrete of M10 grade and curing completely, including the cost of an ordinary formwork in (a) Foundation and Plinth	37	Cu.M.		
8	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the reinforcement cost for reinforced concrete work in Foundations, footings, Base of columns, and Mass concrete (R.M.C./In-situ).	26	Cu.M.		

9	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the reinforcement cost for reinforced concrete work in Plinth Slab.	35	Cu.M.		
10	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the cost of reinforcement for reinforced concrete work in Columns, Pillars posts, and struts up to Tie Level (+3150 mm)	35	Cu.M.		
11	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the cost of reinforcement for reinforced concrete work in Columns, Pillars posts, and struts (From Tie Level (+3150 mm) to Slab Level (+4800 mm))	9	Cu.M.		

12	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the cost of reinforcement for reinforced concrete work in Plinth Beams.	11	Cu.M.		
13	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the reinforcement cost for reinforced concrete work in Beams at Tie Level (+3150 mm).	7	Cu.M.		
14	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the reinforcement cost for reinforced concrete work in Beams at Tie Level (+4800 mm).	13	Cu.M.		

15	Providing and laying controlled cement concrete of M250 grade and curing complete, including the cost of an ordinary formwork, and excluding the reinforcement cost for reinforced concrete work in Slabs.	22	Cu.M.		
16	Providing Thermo - Mechanically Treated Bars (TMT) Fe500D reinforcement for R.C.C. work, including bending, binding, placing in position for All Floors, etc., including Precast Cement Concrete Cover Block placement. Complete.	24800	Kg.		
17	Providing and Laying Brickwork using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. in foundation and plinth in cement mortar 1:6 (cement: fine sand) including racking of joints, pointing, curing, etc., complete in all respect (b) Conventional	47	Cu.M.		

18	<p>Providing and Laying Sand Based Autoclaved Aerated Concrete (A.A.C.) blocks of approved make having crushing strength not less than 35 kg/sq.cm. in Masonry work with 200 mm thick Block wall (approved make & specifications as per IS 2185 Part 3- Size: 600 x 200 x 200 mm, Compressive strength: Min 4.0 N/mm², Normal Dry (Oven Dry) Density: 551 to 650 kg/m³, Thermal conductivity (K): max 0.24 w/mk, and Drying Shrinkage (%): max 0.10)) + 50 mm thick Extruded polystyrene insulation (XPS) Board (approved make & specifications mentioned in Item no. 28) + 100 mm thick Block wall above plinth level in cement mortar with standard block adhesive, etc. Complete as instructed by the Engineer in charge.</p>	52	Cu.M.		
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19	Providing and Laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. in cement mortar 1:6 (cement: fine sand) in superstructure above plinth level at All Floor including racking of joints, pointing, curing, etc. complete in all respect. Conventional Bricks	6	Cu.M.		
20	Providing and Laying Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm. In cement mortar 1:3 (1cement : 3 coarse sand) with 2 Nos. of 6 mm. Diameter mild steel round bars after three courses embedded in cement mortar in the superstructure above the plinth level at all floors. With Conventional bricks	9	Sq.M.		

21	<p>Providing and fixing Double SHUTTER Insulated Door with frame from 1.5mm thick G.I. sheet and shutter from 1.2mm thick G.I. sheet with 50mm thick. Filling of Mineral wool (infill Material) & P.U. paint Finish on top of approved manufacturer of approved color, pattern, and design by the Architect fixed with Min 3 nos. of S.S. Ball bearing Hinges (4 1/2" x 4 "x 3.4 mm), Mortise Lock, S.S. Tower Bolt at top & Bottom - 2.0 Nos per Door, Door Closer: 1 Nos Per Door (shutter), Rubber Gasket and Vision panel with 6 mm toughened glass panel per leaf and other arrangements-</p>	12	Sq.M.		
	<p>a) the doors should be U.L. labelled or BS476 & IS3614 compliant, with a 3-hour rating.</p>				
	<p>b) Door frames should comply with a 3-hour rating</p>				
	<p>as directed and approved by the Architect and Engineer, etc. complete.</p>				

22	<p>Providing and fixing double-glazed (12 mm thick) hermetically sealed glazing in aluminium windows, ventilators, partitions, etc. with 6 mm thick clear float glass (BS EN 1063) on both sides, having an interlayer of 0.76 mm thick polyvinyl butyral (P.V.B.), including providing E.P.D.M. gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant), etc. as per drawings (as per architectural drawing 03, 04, and 05), specifications, and direction of Engineer-in-charge complete.</p>	4	Sq.M.		
23	<p>Steelwork, welded in built-up sections, framed work including cutting, hoisting, fixing in position, and applying a priming coat of red lead paint.</p>	9660	Kg.		

	In beams and joists, channels, angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins connected to common rafters, and the like, complying with the Structural Drawing- 'S05'.				
24	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint, brushing, and interior to give an even shade including cleaning the surface an even shade including cleaning the surface of all dirt, dust, and other foreign matter.	220	Sq.M.		
25	Providing and laying cement pavement (35mm to 50mm thick) with 1:2:4 (cement: coarse sand: stone aggregate 20mm nominal size), including providing slope for drainage, finishing with a floating coat of neat cement complete.	18	Cu.M.		

26	<p>Providing and laying polished Kota stone slab (450x600 mm) flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement: 6-coarse sand) or L.M. 1.1.5 laid over and jointed with grey cement slurry including rubbing and polishing etc. complete.</p> <p>(A) avg 25 mm thick (Mirror Finish)</p>	222	Sq.M.		
27	<p>Providing and laying polished Kota stone slab 25mm thick in risers of steps, skirting, dado, and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.</p>	7	Sq.M.		

28	<p>Providing and fixing Extruded Polystyrene Insulation (XPS) Boards 50 mm thick with a density of 30-32 kg/m³ and thermal conductivity: 0.027 to 0.029 w/mk in Floor, Walls, Ceiling, etc., by rawl plug insertion, fixing of flat head screw (8 nos x 35 length) inside the rawl plug with help of Ball Pin Hammer and finished with washer to firmly fix the xps board over the wall, and adjusting them with the help of fixing and twisting of 22-26 G G.I wire (free length should 5 times more than insulation thickness) diagonally through piece of XPS board, ensuring no air gap in between the XPS boards and the wall, as directed by the Engineer in-charge etc. completed.</p>	427	Sq.M.		
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29	<p>Providing and laying of waterproofing treatment with China mosaic tiles flooring over a 115 mm thick Brick Bat Coba for maintaining slope for plain and curve surfaces & 12 mm to 20 mm of the broken piece of ceramic/glazed tiles (one or more color as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) contain one Kg of waterproofing materials per bag of ordinary Portland cement (O.P.C.) at plain or slope and to be tempered to bring mortar ceramic up to surface with using white cement and color pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc. complete.</p>	133	Sq.M.		
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30	<p>Providing 15mm thick cement plaster in a single coat on the Rough (Similar) side of single or half brick walls for interior plastering and finished even and smooth in (i) Cement mortar 1:3 (cement: sand) finished with trowel including ii) two coats of acrylic lappy (putty) of approved or equivalent brand, and iii) two coats of primer of approved brand and manufacture on a new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sandpapered smooth including scaffolding curing etc. Complete.</p>	320	Sq.M.		
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31	<p>Providing 10 mm thick cement plaster in a single coat on the Rough (Similar) side of single or half brick walls for interior plastering and finished even and smooth in (i) Cement mortar 1:3 (cement: sand) finished with trowel including ii) two coats of acrylic lappy (putty) of an approved or equivalent brand, and iii) two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sandpapered smooth including scaffolding curing, etc. Complete.</p>	155	Sq.M.		
32	<p>Painting (Two coats) with plastic emulsion paint of approved brand and manufacture on wall surfaces to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sandpapered smooth.</p>	320	Sq.M.		

33	Painting (Two coats) with plastic emulsion paint of approved brand and manufacture on ceilings, soffits, and sloping roofs to give an even shade, including thoroughly brushing the surface free from mortar droppings and other foreign matter and sandpapered smooth.	155	Sq.M.		
34	20 mm. thick sand faced GUTAKA FINISHED cement plaster on walls up to all heights above ground level consisting of 12 mm. thick backing coat of cement mortar 1:3 (1 cement : 3 sand) and 8 mm. thick finishing coat of cement mortar. 1:1 (1 cement: 1 sand), including making groove 6 mm wide and 8 mm deep as approved pattern, etc., complete as directed.	308	Sq.M.		
35	Finishing the walls with weatherproof exterior emulsion paint on the wall surface (two coats) to give a required even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, etc. Complete.	352	Sq.M.		

36	<p>Providing laying and jointing in true line and level 25 mm dia. U.P.V.C. Pipe (S.C.H. -40) line, including fittings of the approved or equivalent brand as approved by the Engineer In charge. The pipe shall be fixed on the wall with the help of a clamp at every two-meter C/C or concealed as directed, including necessary fittings, etc., including testing of pipe and joints and fixing the same with adhesive solvent, including the cost of all materials.</p>	40	R.mt.		
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37	<p>Providing laying and jointing in true line and level 40 mm dia. U.P.V.C. Pipe (S.C.H. -40) line, including fittings of an approved or equivalent brand as approved by the Engineer In charge. The pipe shall be fixed on the wall with the help of a clamp at every two-meter C/C or concealed as directed, including necessary fittings, etc., including testing of pipe and joints and fixing the same with adhesive solvent, including the cost of all materials.</p>	40	R.mt.		
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38	<p>Providing laying and jointing in true line and level 110 diameter U.P.V.C. SWR Type B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipeline, the pipe shall be jointed with each other with rubber lubricant, the pipe shall be fixed on the wall using of P.V.C. clamp of the size 110 mm diameter x 149 mm length x 145 mm high at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.</p>	40	R.mt.		
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39	Providing erecting and fixing Triple coated Syntex or equivalent P.V.C. (I.S.I compliant) mark water tank of required capacity, each with all necessary fittings (e.g., Ball valve, float valve, etc.) & connection along with testing and commissioning. etc., comp on terrace.	1000	Liter		
40	Providing and fixing Fiber mesh at the junction of the Brick/ over electrical conduits. Masonry and reinforcement cement concrete members, including fixing materials, scaffolding, labor, etc., Complete.	60	Sq.M.		
41	Providing 12 mm wide and 8-10 mm deep groove/notch in plaster, including finishing the same, etc., complete for all heights.	200	R.mt.		
42	Providing and laying and fixing 50 mm thick expansion joint by hydro cell semi-rigid U.V. resistance with high performance laminated closed cell polyethylene foam joint filler in sheet foam as directed, etc. complete.	18	Sq.M		

43	Providing and filling the expansion joint by polymer confirm to BS 4254-1983 as per required shade and specification by making a groove of 50 mm x 12.5 mm lather by cutting or by repairing the groove and removing mortar drop or any other foreign materials, including applying primer and filling required size (oversize of joint P.U. foam, etc.) complete.	76	R.mt		
44	Providing and fixing 25 cm Wide & 3mm thick exterior composite panel on existing expansion joint horizontally & vertically with all material, hardware, accessories & fittings, etc., completed.	10	Sq.M		
45	<p>Extra for additional height of propping and centering where the height of propping and centering exceeds 4.0 M between supporting floor to ceiling, including temporary brick or stone pillars for supporting as required.</p> <p>(i) Height more than 4.0 M and up to 5.0 M.</p>	155	Sq.M		

46	<p>Providing and Fixing In-air-fill Air Bubble Insulation (Three Layers of 8 mm thick wraps) of approved make and specifications, with the help of screw or adhesive over XPS board on the roof/ceiling for insulation, keeping a 25 mm Gap from the bottom layer using XPS Insulation Board Battens (100 mm width and 25 mm depth) at intervals of 300mm. Before fixing the air bubble sheet, two air bubble sheet shall be staples with 1 inch overlap as directed by Engineer In-charge etc. complete.</p>	155	Sq.M		
47	<p>Demolition of Brickwork and stone masonry, including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.</p> <p>(i) In Cement Mortar.</p>	2	Cu.M		
Total					
Taxes @					
Grand Total					
Amount in Words:					

In case of any change in actual Quantity of Goods/Services, same will be paid as per pro-ratabasis.

Annexure-E: Check List for Contractors Records

Sr. No	Forms	Description Of the Form	Section/Clause/Sub-clause	Submission Require	Remarks (Yes
1	Form VI	Form of license granted by the Office Of the licensing	Rule 25(1)	Starting	
2	Challans	Monthly under EPF	EPF Act.	Monthly	
3	ECR List	Monthly under EPF Act. (Employee working at CEPT	EPF Act.	Monthly	
4	Form - 11	Declaration under EPF Act.	EPF Act.	Monthly	
5	Form - 2	Employee Nominee Declaration as per EPF Act.	EPF Act.	Monthly	
6	Form - F	As per Gratuity Act.	Gratuity Act.	Monthly	
7	Form XIII	Register of Workmen employed by the contractor	Rule 75	Monthly	
8	Form XIV	Employment Card	Rule 76	Monthly	
9	Form XIX	Wage Slip	Rule 78(1)(b)	Monthly	
10	Form XVI	Muster Roll	Rule 78(1)(a)(i)	Monthly	
11	Form XVII	Register Of Wages	Rule 78(1)(a)(i)	Monthly	
12	Form XVIII	Register Of Wages cum Muster Roll	Rule 78(1)(a)(i)	Monthly	
13	Form XX	Register of deductions for	Rule 78(1)(a)(ii)	Monthly	
14	Form XXI	Register Of Fines	Rule 78(1)(a)(ii)	Monthly	
15	Form XXII	Register Of Advances	Rule 78(1)(a)(ii)	Monthly	
16	Form XXIII	Register Of Overtime	Rule 78(1)(a)(iii)	Monthly	
17	ESIC	Monthly History & Challan if applicable		Monthly	

18		Payment should be made on or before 10th of every month.	Payment of Wages Act.	Monthly	
19		List of ECR for existing employee in	EPF Act.	Monthly	
20		Bank Statement / Voucher		Monthly	
21		Application Form		New Emp.	
22		Appointment Order		New Emp.	
23	Form XXIV	Return to be sent by the contractor to the	Rule 82(1)	Half Yearly	
24	LWF	Labor Welfare Fund paid record - January		Half Yearly	
25	Form C	Payment of Bonus Register as per Bonus	Bonus Act	Yearly	
26	Form D	Intimation to ALC of Bonus payment as	Bonus Act	Yearly	
27	Form XV	Service Certificate	Rule 77	Yearly	
28		Copy of Workmen Compensation Act	Compensation Act	Yearly	
29		Visit books under the Minimum Wages Act.	M.W. & EPF Act.	After Inspection	
<p>All forms mentioned in above check list to be provided along with checklist at the time of monthly submission of bills, mentioning yes/no in remarks column.</p>					

Undertaking

(To be furnished along with Financial Bid on Company letter head)

I /we have read all the terms and conditions of contract and all other documents of the tenderfinancial bid has / have understood properly the requirement for Security Services with clear understanding.

I/we am/are offering my /our rate as above and agree to abide by the terms and conditions of contract.

Date:

Place: signature of the authorized signatory of the
agency Official seal/ Stamp