

INTER-UNIVERSITY ACCELERATOR CENTRE
(An Autonomous Centre of UGC)
Aruna Asaf Ali Marg, New Delhi-110067

NOTICE INVITING E-TENDER

TENDER NO: IUAC/NIT/01/BD/2019-20

Dated: 04-04-2019

Instructions for Online Bid Submission:

Inter-University Accelerator Centre (IUAC), invites online bids through e-Procurement Portal under two bid system, viz., Technical and Financial bids, from eligible and experienced parties for the work/supply of **“Supply, Installation, Testing, Commissioning and Maintenance of Access Control System at IUAC Campus, New Delhi”**.

Tender Documents may be downloaded form Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app> and www.iuac.res.in

Aspiring Bidders who have not enrolled/registered in e-procurement Portal should enroll/register before participating through the web site <http://eprocure.gov.in/eprocure/app>.

Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>. Tenders/Contractors are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

IUAC reserved the right to accept/reject any/all tenders in part/full without assigning any reasons thereof.

Bidder has to select the payment option as “offline” to pay the tender fee/EMD as applicable. The Earnest Money Deposit shall be in the form of demand draft issued in favour of “Inter-University Accelerator Centre, New Delhi” and it should be deposited in IUAC before the bid opening, Bidders registered with MSME/NSIC are exempted from payments of EMD & tender fee. Copy of valid registration certificate should be uploaded.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled and submit it online without modifying the format. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

Any Corrigendum/Amendments in respect of above tender shall be issued on IUAC website www.iuac.res.in and website <http://eprocure.gov.in> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

Name of the work	Supply, Installation, Testing, Commissioning and maintenance of Access Control System at IUAC Campus, New Delhi
Estimated Amount	Rs.12.00 lakhs
Completion Time	Two Months
Earnest Money	Rs. 24,000 in the form of Demand Draft
Tender Cost	Rs. 500/- in cash or D. D (Tender fee is not payable if tender documents are downloaded)
Date & Time of Pre-Bid meeting	15/04/2019 at 3.00 p.m.
Last Date and Time of Submission of Tender	29/04/2019 at 3.00 p.m.
Date & Time for opening of Tender (Techno-commercial bid – Part-A)	30/04/2019 at 3.30 p.m.
Date & time for opening of Price Bid	To be intimated later on to technically qualified bidders (Part-B).
Address for submission of tender	Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi-110067.
Place of opening of the Tender	Committee Room (R.No 222), Main Lab Building, IUAC

For any clarifications / amendments / corrigenda etc. to NIT before last date of submission of tender will only be available on our website <https://eprocure.gov.in> and www.iuac.res.in Bidders are requested to keep visiting this website for all updates and in case of any correspondence for clarifications needed, they may contact Administrative Officer (S&P) e-mail: joseph@iuac.res.in

GENERAL TERMS & CONDITIONS

1. **Submission of Tender:** Tenders should be uploaded in two Parts i.e. "Technical Bid" (Part-A) and "Price Bid" (Part-B).

2. **Technical Bid (Part-A):** In this bid, the bidder shall upload the following:

- a. Covering letter on Company's Letter Head
- b. Company profile, organizational setup, credentials, list of plant machinery & tools
- c. Copies of PAN Number, GST Registration Number
- d. List of executed work with client address
- e. Copies of work orders and completion certificates of similar type of works executed successfully during the last 5 years as on 31st Dec 2018 in Govt., Public sector, Autonomous body or reputed Public Ltd. Company, with at least one work of value not less than Rs. 9.20 lakh or two similar works, each of value not less than Rs. 5.75 lakhs or three similar works, each of value not less than Rs. 4.60 lakh.
- f. Entire NIT including drawings (except Price bid) duly signed & stamped by the bidder.
- g. Article of Agreement.

(Note - All documents uploaded by the bidder should be self-attested along with stamp).

3. **Price Bid (Part-B):** In this bid, the bidder is required to quote his item rates in the BOQ in accordance with the scope of work, terms & conditions & technical specifications enclosed. The rates/price quoted by contractor should be all inclusive i.e. should include all material cost, labour, services, plant / machinery/tools & tackles, ladders & scaffolding required for work, freight, Insurance (except CGST, SGST, IGST which are payable separately as quoted in price bid) and all applicable Govt. Duties, levies & taxes, transport/cartage of materials/labour and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to contractor. Further nothing extra in rates will be considered for any variations in tender quantities or due to any site difficulties. It is mandatory for bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure in not filling some item rates will lead to rejection of tender. The bidders should quote unconditional rates, neatly written without any overwriting and all pages should be duly signed & stamped.

4. **Earnest Money:** An earnest money of Rs. 23,000/- in the form of Demand Draft has to be deposited in IUAC before the technical bid opening. The EMD shall be only in the form of Bank Draft /Banker's cheque in favour of IUAC, payable at New Delhi. No Cheque /Cash shall be accepted as EMD. The refund of EMD to the technically disqualified & lowest 4th bidders onwards shall be made within 15 days from the date of opening of price bid. The refund of EMD of the 2nd & 3rd lowest bidders shall be made after award of work and site mobilization by the successful bidder. The EMD of the successful lowest bidder (L1) shall be refunded after furnishing Security Deposit / Performance Guarantee.
5. **Exemption from EMD:** Unit registered with National Small Scale Industries Corporation (NSIC)/MSME is exempted from payment of Tender cost and EMD, subject to the unit being registered with NSIC/MSME for the items tendered. Self attested copy of valid registration Certificate should be uploaded. Copy of application for registration as NSIC or for renewal of NSIC will not be acceptable. Such offers will be treated as offers received without EMD.
6. **Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of Technical bid.
7. **Escalation:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.
8. **Completion time:** The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within a period of two (2) months from the date of issue of LOI /Purchase order by the Centre. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as per clause 15 of NIT. Under the force-majeure conditions or delay due to reasons beyond control of the contractor, IUAC may grant suitable time extension without penalty for which the contractor has to request along with the justification/ reasons well in advance to IUAC for approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of the Director, IUAC regarding Time extension will be final and binding on the contractor.
9. **Scope of Work:** Detailed scope of work, special terms & conditions, makes of materials and specifications etc. are enclosed with this NIT as per Annexure –I. Bidder must read them before filling rates.
10. **Deviations:** No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.
11. **Site Conditions:** Contractor shall acquaint himself/herself fully with the site conditions and the working environment of IUAC before quoting rates. No Compensation on account of any site difficulties will be entertained, at a later date, after award of the work.

12. **Correspondence:** All the correspondence in respect of tender/award of work shall be made to A.O.(S&P), IUAC, Aruna Asaf Ali Marg, New Delhi-110067.
13. **Terms of Payment:** The payment shall be made on submission of the bills in proper format by the contractor after due certification by the IUAC engineer responsible for supervision of the work in following manner: -
- 90% payment will be released after installation, commissioning and acceptance by IUAC and remaining 10% after CAMC period is over.
14. **Labour Laws:** The contractor will abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance etc. These will be the sole responsibility of the contractor. IUAC will not be a party at any stage in any of the disputes relating to the above. In case IUAC has to bear any expenditure due to non-compliance of the above provisions by the contractor, the same will be recovered from contractor's bills.
15. **Rules governing the Contractor's employees working in the IUAC Premises:**
- The contractor's employees working inside the IUAC campus will abide by the Centre's rules & regulations for works inside the campus. Any damage to the IUAC property due to mishandling, carelessness on the contractor's or his workmen's part will be recoverable from the contractor's bills.
16. **Quantity variation in ordered and executed quantity of works :** IUAC reserves the right to decrease the quantity of all / any item as per site requirement. However, any increase in quantity of any/all items as per site requirement up to 25% of ordered quantity the tenderer has to execute the same without any change in prices. Quantities in the tender are estimated quantities. Quantities required are to be assessed by the contractor after award of work and before procurement. Payment shall be made for the actual quantity used in the work.
17. **Extra or substituted item-** If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which shall be approved by IUAC. If required, IUAC can make its own analysis based on DSR document of CPWD or based on market rates for determining item rate and pay to contractor accordingly.
18. **Defect Liability / Warrantee period:** Defect liability period shall be one year from the date of completion and acceptance of work. Any defect arising in this period due to any technically fault will be rectified by him at his own cost. Failure to do so shall lead to forfeiture of security deposit.
19. **Comprehensive Annual Maintenance Charges :** The bidder will also have to undertake an Comprehensive Annual Maintenance Contract [CAMC] for the entire Access Control System for four [4]years from the date of

expiry of the standard defect liability/warranty period of one year [from the date of successful commissioning of the security system]. The CAMC charges, will include service charges, cost of the spare parts required for replacement. The CAMC payment shall be made on half yearly basis. All complaints during warranty / CAMC period shall be attended by the bidder within 24 hours. The CAMC will be on yearly basis at the discretion of the Centre depending upon the performance of the bidder.

20. Penalty for delay

- a) If supply of items / equipment is delayed beyond the supply schedule as stipulated in purchase order then the bidder shall be liable to pay to the Purchaser as penalty for delay, a sum of 0.5% (point five percent) of the contract price for every week delay.
- b) The total amount of penalty for delay under the contract will be subject to a maximum of 5% (five percent) of the contract price.
- c) The Purchaser may, without prejudice to any method of recovery, deduct the amount for such damages from any amount due or which may become due to the bidder or from the Performance Bond or file a claim against the tenderer.
- d) In such case, incomplete work shall be worked out by deducting value of works actually executed to the working condition from total order value.
- e) However, in case the works are delayed beyond the scheduled completion/ contract period, IUAC reserves the right to get the work done by any other contractor at the risk and cost of the tenderer and amount to this affect will be deductible from bidder's bills / dues with an additional amount @ 10% as departmental charges.

21. **Performance Guarantee:** Performance Guarantee equivalent to 10% of quoted amount will be kept as performance guarantee for five years and will be refunded to the vendor after completion of CAMC period.

Contractor should depute a technically qualified supervisor dedicated for this work, who will monitor and coordinate work from contractor's side and interact with the IUAC Engineers, responsible for supervision of work, on regular basis.

22. Contractor will take due permission for entry of all his workmen in IUAC. No unauthorized person will be allowed to work inside IUAC campus.
23. The contractor will arrange all necessary materials, tools, equipment, access ladders & scaffolding, measuring instruments and working consumables, etc. needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same. Watch and ward of all material till the system is taken over by IUAC shall be the sole responsibility of the contractor and pilferage, etc. shall be entirely to his /her account.

24. During execution of work, IUAC Engineer can make minor changes in the scope of work as per site conditions or other reasons. Contractor will have no extra claim in his rates for the same.
25. If during the execution of works, any damage is caused to IUAC property by contractor's workers, contractor will duly make good the loss. IUAC has the right to make suitable deduction from contractor's bills along with penalty, if contractor fails to make good the loss.
26. During execution of work, the contractor should follow all standard norms of safety measures /precautions as per relevant IS codes and CPWD specifications to avoid accidents/damages to man, machines and buildings, at his / her own cost. Contractor will have his/her own arrangement to escort the labour to the nearest hospital for treatment in case any injury happens to any worker during execution of work.
27. Manpower deployed by the contractor at site for carrying out contract work is strictly prohibited being associated with any other works on the campus.
28. No material belonging to the contractor whether consumable or non-consumable should be brought inside the IUAC campus without proper entry at the Main Gate nor any material should be taken out without proper gate pass issued by the authorized representatives of the Centre.
29. During execution of the work, contractor should dispose off waste material on regular basis and should keep the area of work properly cordoned off and neat and clean as far as possible. After completion of work, contractor should clear the site completely of all unwanted and junk material before submitting his final bill.
30. IUAC will provide free water and electricity during execution of work at one point. The contractor has to make his own arrangements for supplying power and water from that point onwards as per his / her requirements.
31. Tender once submitted will remain with the Centre and will not be returned to the bidders.
32. **Termination of Contract:-** The Director, IUAC reserves the right to terminate the contract on account of poor workmanship, failure to mobilize site within 15days, non-compliance of specifications for the works, abnormal delay in progress of work, violation of any contract provisions by the contractor. In such case, contractor's EMD and security deposit deducted so far will be forfeited.
- The contract can also be terminated on the request of contractor. In such cases the contractor is liable to pay Liquidated damages @ 5% of tendered value besides forfeiture of EMD & security deposit recovered so far.
33. **Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.**
34. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. **Director, IUAC also reserves the right to ac-**

cept or reject any or all the tenders without assigning any reason and does not bind him to accept the lowest tender.

Accepted

(Signature of bidder)

INSTRUCTIONS TO BIDDER BEFORE SUBMISSION OF BID

1. Bidders are advised to visit the site of installation of the Security System and understand the nature & scope of the work and doubts of any nature should be got clarified before quoting.
2. Rate should be quoted both in figures and words in the columns specified and in case of discrepancy, rates quoted in words will prevail. All erasures and alterations made while filling the tender must be attested by initials of the bidder. Over writing of figures is not permitted. Failure to comply with either of conditions these will render the tender void at the IUAC's option. No advice of any change in rate or conditions after opening of the tender will be entertained.
3. Rates should be quoted with reference to the scope of work which entails supply, installation, testing, commissioning and maintenance of Access Control and also providing necessary hardware, software, signal and power cabling, and all allied civil, electrical and carpentry work.
4. Each page of the tender document should be signed by the person or persons submitting the tender in token of his /her / their having acquainted himself / herself/ themselves with the terms and conditions, Scope of work, Specifications, etc., as laid down. Unsigned tender document is liable to be rejected.
5. The tender submitted on behalf of a Firm shall be signed by all the partners of the Firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract. Similarly in case of a company, only the person authorised by the articles of the company can sign. Otherwise the tender is liable to be rejected by the IUAC.
6. IUAC does not bind itself to accept the lowest or any quotation and reserves to itself the right to accept or reject any or all the tender, without assigning any reasons for doing so. IUAC also reserves the right to divide the work and award separately amongst the tenderer, without assigning any reason for doing so.
7. The tender is not transferable.
8. The tender shall not include any conditions whatsoever. In case any conditions are included in the tender, the same shall not be taken into consideration and the tender in such cases is liable to be rejected.
9. Tenders received after the above time and date will not be accepted.
10. The tenders shall be valid for at least 90 days from the date of opening of the tenders.

11. Any discrepancies, omissions, ambiguities or conflicts in contract document or any doubts as to its meaning should be brought to the notice of the Centre. The Centre will review these and where information sought is not clearly indicated or specific, will issue a clarifying bulletin to all bidders which will form part of the contract documents.
12. The contract shall be binding on the bidder as soon as the acceptance of the Tender is communicated to the bidder by the Centre.
13. **Termination of Contract:** The Director, IUAC reserves the right to terminate the contract on account of poor workmanship, failure to start the work within 30 days, non-compliance of set norms / specifications for the works, delay in progress of work or violation of any contract provisions by the Contractor. The contract can also be terminated at the request of Contractor within 10 days from the date of LOI/ purchase order. In such case, the EMD of the Contractor will be forfeited. If the contractor requests the termination of contract any time after submission of performance bank guarantee, the Performance Bank Guarantee shall be en-cashed along with forfeiture of EMD.
14. Quoted rate should be workable, and should be firm for the entire contract Period. No variation of rates will be allowed.
15. The tender is being called as an item rate tender to be quoted against the Bill of Quantity. However, all other materials as may be necessary for the satisfactory work completion are to be provided at no additional cost as deemed to have been covered under the scope of work / contract. All civil, electrical, carpentry work will be done by the contractor and this cost also to be included in the amount quoted.
16. Payment will be done in accordance with the Bill of Quantities in Price Bid. All Payments will be settled on successful testing and commissioning of the system. No advance payment will be made by IUAC. Payment against the bill/s will be made in due course after satisfactory completion of the work.
17. Any discrepancy in settlement of bills may be brought to the notice of IUAC within a period of one month after the settlement of the Bills. The IUAC will not entertain any claim regarding any dispute in settlement of the bills after the stipulated period.
18. Income Tax, Surcharge, and other taxes as applicable will be deducted from total payment due to the contractors. All payments will be one on line through the NEFT/ RTGS, for which the contractor will provide details such as name of his /her banker, name of the branch, account number, and the IFS Code of the bank branch.
19. The Contractor shall observe all the safety precautions for the safety of the labour, employees and residents of IUAC during execution of works. The contractor should arrange to obtain necessary insurance cover for its employees. He /she would be responsible for the safety of persons, employed by him / her and loss or damage of the work.

20. The contractor shall be responsible for injury to persons or things and for damages to the property which may arise from omission or neglect of the contractor or their employees, whether such injury or damages arises from carelessness, accident or any other cause whatsoever, in any way connected with carrying out of the work.
21. All the conditions of the contract shall be binding on the Contractor during execution of the work.
22. The Contractor shall comply with all the applicable Acts, Rules, Regulations, requirement of Law(s) for entering into contract and the IUAC will not in any way is liable or esponsible for any default /irregularities/penalties on the contractors part.
23. The contractor shall comply with the provisions of Contract, Labour Regulation & Abolition Act, 1970, Minimum Wages Act and all other labour laws and other Statutory Regulations [both Central and States] that may be enforced from time to time by the appropriate authorities. The IUAC shall not be held responsible for any penalty on account of failure to adhere to the above labour regulations, etc. The contractor should be responsible to fulfill all the obligations in connection with the workers employed by the contractor for the purpose of the contract and all the Statutory and other liabilities if any including minimum wages, leave salary, uniform, ex-gratia, gratuity, ESI, Provident Fund, Workman Compensation, if any, etc. In connection therewith shall be on the contractor account and payable by the concerned contractor.
24. The contractor should obtain necessary permission that may be required for the purpose of this contract from such authorities as may be prescribed by law from time to time.
25. The contractor shall be fully responsible and shall compensate IUAC in the event of any damage to men /women or material, injury/damage or death as the case may be, his / her employees or workmen. The decision of IUAC in this regard shall be final and binding.
26. The contractor should not employ any person who is prohibited by law from being employed for fulfilling obligations under this contract.
27. Any act of indiscipline/ misconduct/ theft/ pilferage on the part of any employee engaged by the contractor resulting in any loss to IUAC in kind or in cash will be viewed seriously and IUAC will have the right to levy damages or fine and/or even terminate the contract forthwith.
28. In case of any default or failure on part of the contractor to comply with all/any one of the terms/conditions, IUAC reserves to itself the right to take necessary steps to remedy the situation including, inter-alias, the deduction of appropriate amount/s from dues otherwise payable to the contractor and/or by taking recourse to appropriate recovery proceedings.

29. If any dispute arises on any matter concerning this contract, the same shall be settled through mutual discussion. However, if the dispute still remains unresolved, the same will be decided by the sole arbitrator appointed by the Centre as per Arbitration and Conciliation Act and this decision shall be final and binding.
30. The contractor should not at any time do, cause or permit any nuisance on the site / do anything which shall cause unnecessary disturbances or inconvenience to the occupants /visitors at site or near the site of work.
31. The contractor shall not directly or indirectly transfer, assign or sublet the contract or any part of it.
32. The Access Control System after successful commissioning and testing will be duly handed over to the Centre after which the work completion certificate will be issued.
33. IUAC reserves the right to check the progress of the work and adherence to the technical specifications, etc. any time during the installation phase. The firm will be submitting to the Centre all the warranty certificates, drawings of the system so installed, test reports / certificates issued by the manufacturers of the materials.
34. The Party will obtain all necessary statutory approvals from the designated/approved authorities as may be required for the completion of the work.
35. The contract may be terminated by IUAC in case the other Party does not adhere to the terms of contract.
36. All disputes arising out of or in any way connected with this Agreement shall be deemed to have been arisen at Delhi and Courts in Delhi only shall have jurisdiction to determine the same.
37. In the terms and conditions set in here before the term " The Centre " refers to the Inter-University Accelerator Centre [IUAC], The Director refers to Director of IUAC, Delhi. " The Contractor " refers to the bidder who has been awarded the contract for the Supply, Installation, Testing, Commissioning, and Maintenance of Access Control System at IUAC Campus, Aruna Asaf Ali Road, New Delhi- 110067.
38. All erasures and alterations made while filling the tender must be attested by initials of the bidder. Over writing of figures is not permitted, failure to comply with either of these conditions will render the tender void at the Centre's option. No advice of any change in rate or conditions after opening of the tender will be entertained.
39. The Contractor will provide necessary training to the designated personnel of IUAC about the system.

40. The Contractor shall observe all the safety precautions for the safety of the labourers, employees and residents of IUAC during execution of work.

TECHNICAL DETAILS

1. SCOPE OF WORK:

Supply, Installation, Testing and Commissioning of pedestrian and vehicular access control system at two locations in IUAC campus.

The system will consist of pedestrian access control by flap barrier gate, operated by bio metric (fingerprint) and RFID card reader along with a switch operated boom barrier for vehicles. Provision for appropriate weather protection and a guard shed has to be provided by the vendor. The boom barrier will be operated by a guard present at the shed. The scope of work includes the supply of all material required and construction of all civil structures and cabling. The individual specifications of items are as below:

(A) Pedestrian access control barrier: (2 numbers)

Type of Gate	Flap Barrier only
Passage width (Max) :	≤ 550mm
Throughput Rate:	15 persons per minute
MCBF:	3 Million
Power Supply:	100V ~ 240V AC
Operational Voltage:	24V DC
Current:	-1.7A
Max Power Consumption:	30W
Frequency:	50Hz ~ 60Hz
Protection Level (IP):	≥ 50
Working Temperature:	-5 to 60 C
Electro-magnetic Drive:	DC
Dimension excluding bars:	800 X 280 X 960 mm
New Weight (Including Bars):	80kg
Motor Specifications Type:	DC Motor
Output:	30W
Speed :	-1800rpm
Battery(UPS) Backup	For 9 minutes

(B) Finger Print and RF Card readers: (4 Numbers)

These are to be mounted on both sides of the pedestrian barriers to enable ingress and egress of authorised personnel (bi-directional, single passage). Should have:

<u>Access control system (Finger Print Reader).</u>
Finger Print Reader : Optical CMOS technology
2000 finger template storage
TCP/IP Connectivity : 100 Mbps,DHCP possibility
Command set over TCP/IP to be made available (not drivers, actual protocol)
Finger print template up load / Down load delete via TCP/IP
Password protection on (a) TCP/IP data retrieval, (b) System, (c) master password through jumper and not through a keyed in number.
Mifare ISO.IEE 14443 A/B/C, 13.56MHz RF READER
One NO/NC external interlock input (for fire alarm) open all door in case of fire.
LCD Display
Data records storage at least 50,000
IP 54 protection
Power: 230 VAC/50 Hz input: SMPS COSEL
Battery (UPS) backup : for 9 minutes
Minimum 500 piece RFID Card

(C) Night vision enabled 2 MP, Varifocal (2.8-9mm) IP camera with complete NVR setup, 30 days recording) at each entry point. IP-54 protection. Battery backup (UPS) for 9 minutes. 12 DC Power Supply, Display (Minimum 20 inch LED) – 1 No. , Switch , etc., as needed.

(D) Boom barrier (switch operated) : Two numbers

Switch Based Boom Barrier as per following Specifications;	
Maximum length of Boom	6M (Optional 3m/4m)
Arm material	Aluminium / ABS Plastic
Boom Rest Stand	Yes
Time for Up/down	(6 sec) approx.
Input control signal	Dry Contact
Ingress protection Degree	IP54
Input Interface for	1. Photocell 2. Air switch 3. Loop detection (Optional)
Output interface for	Lamp (Optional) Access Control panel,

Optional Interface	Standalone Access Control, Control button (eg: X900)
Remote Control	Upto 25 meters
Mode	Automatic and Manual provisions
Incorporated control panel with	3 push buttons (stop/up/down) to control the motor
Bumping bounce back (Optional)	Yes
Auto closing time	1 - 60s
AMPS - Input	AC 220V / 110V, 50Hz / 60Hz
Dimension (mm)	268 X 348 X 1050
Operating Temperature	-20°C to +50°C
Possibility for manual operation in case of power failure etc. (Must)	
Possibility for photocell controlled closure.	

(E) Civil, electrical and network works required for complete operation of the system at two locations on campus.

Porta cabin and shade structure for guard station on site (as per below mentioned size & specification).

Size of Porta Cabin	3.1x2.1x 3.0 mtr (Length x Width x Height)
Shape & Design	With provision of 6 feet extended chajja (made of steel pipe and poly-carbonate sheet at one side) to protect /shelter for Finger Print and RF Card readers system /machine
Main Frame	Hollow steel pipe framing 58 * 58 mm(14G) (Detachable) & bracing with 38 * 38mm(18G)
Outer cladding	10 mm thick silica Fiber Board covered with epoxy and P.U. Texture & Silicon coating.
Insulation/Acoustic	25mm thick Glass/Mineral Wool/PUF
Temperature	Should withstand 0°C to to 50°C temperature easily.
Inner Cladding	Laminated (both sides) with 8mm thick medium density fiber board walls/ 5mm thick both side reinforced bakalite lining (in natural wood finish & plane shade as desired by

	IUAC.)
Roof	G.I. sheet profile in Sloping/Hut/Plane shape (insulated) with 8 feet height inside.
False Ceiling	Combination of Ornamental Teak Finish/Laminated Fiber Board false ceiling with insulation, Ornamental cornice on top and concealed lacquer coated brass spotlights.
Doors/Windows	Flush doors wall finish 35mm thick & aluminum sliding windows. Each Porta Cabin will have two doors and one window of proportionate size.
Location of Doors/Windows	Wherever desired (as per choice of IUAC)
Lighting	Fan, 1 LED/CFL Bulb, 1 Exhaust Fan with complete fittings etc
Flooring	16mm thick silica fiber board over steel frame with flanges.
Painting	P.U. Texture coating on outer wall of desired shade with classic texture finish covered with silicon coating.
Ground Clearance	3 ft. Depth with brick work pedestal/concrete (1:2:4)

The porta cabin may house the UPS etc. Also, it should provide shelter for the pedestrian barrier (from rain) includes provision of switch/plug/ cabling for power, network, video and control, etc.

2. LOCATION:

Installation of Access Control System with Flip Barrier along with a Boom Barrier at two entry points viz.

- One at the turning point towards west Gate entrance of main lab building (just beyond the garden landscape)
- Another near electrical sub-station (beyond Auditorium at its back side) for

staff working in LEIBF, Workshop, Engineering Building.

ANNEXTURE - I

ARTICLES OF AGREEMENT

This Agreement is entered into this..... day of
(month).....between the
INTER UNIVERSITY ACCELERATOR CENTRE having Aruna Asaf Ali Road,
New Delhi – 110067, hereinafter referred to as “The Centre”

and

M/s hereinafter called the “The Contractor” .

Whereas the party has been awarded the Contract for the Supply, installation, testing, commissioning, and maintenance of Access Control System at IUAC Asaf Ali Road, New Delhi – 110067.

Consequent upon the Centre accepting its tender and the Contractor accepting the Terms and Conditions, Special Terms and Conditions and Memorandum and related items.

NOW, THIS AGREEMENT WITNESS THAT IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES:-

1. The Contractor will Supply, installation, testing, commissioning, and maintenance of Access Control System at INTER UNIVERSITY ACCELERATOR CENTRE, New Delhi - 110067 for years from the date of Supply, installation, testing and commissioning at the IUAC Campus for consideration of Rs _____ [].
The payments will be made as per the terms indicated in the general conditions/ instructions to the contractors.

2. The Contractor agrees to replace/repair any defects in this system during the warranty period free of cost. The Contractor will place at the disposal of the Centre, sufficient number of technicians during the first six months to ensure proper working of the system and attend to any problems. The Contractor will carry out necessary repairs/replacement to keep the system in working condition after the CAMC warranty period on chargeable basis. Beyond the CAMC period, the Contractor will charge for spare parts only as per the rate list supplied by them and agreed to by the Centre. No labour charges will be paid for any such repairs/replacement. The rates indicated should include all Taxes and Income Tax will be deducted from the bills submitted for spare parts replaced.

3. Any complaints will be attended to promptly by the Contractor within 24 hours and on no account will there be any delay in repair/replacements to ensure smooth working of the system.

4. The Contractor will ensure availability of fast moving spares required for the system to ensure speedy repairs.

5. Notwithstanding what has been hitherto stated, any other matters not covered in this Agreement will be settled on mutual discussions and subject to mutual agreement. The reference to the Director in this agreement and the schedules hereto. Annexed shall mean the Director holding charge of the Centre, Delhi and shall include, in respect of any powers exercisable by him or IUAC under this agreement and any other officers of the Centre designated by him in that behalf from time to time.

6. The Contractor will abide by all the Terms and Conditions specified in the General Conditions/ Instructions to the contractors etc., mentioned in the tender.

7. All hardware and software used will be as per the details indicated by the Contractor in Price Bid of the Tender documents.

8. All the documents pertaining to the Tender will be construed as part and parcel of this agreement.

9. This agreement shall be executed in duplicate. The Centre shall retain the original and Contractor the duplicate. Stamp duty on original and duplicate shall be borne by the Contractor. IN WITNESS WHEREOF the Centre has set its hands to these presents and a duplicate here of through its authorized official and the Contractor has set his hands to these presents and the duplicate on the day/month and year first herein above written.

Signed and delivered by the within named

Inter University Accelerator Centre
by the hand of its authorized official

[Name and Designation]

In presence of

[i]

[ii]

Signed and Delivered by Shri.....(Authorized signatory of the bidder)

In presence of

[i]

[ii]
Place:
Date:

(Financial Bid – Part B)

FOR SUPPLY, INSTALLATION, TESTING, COMMISSIONING AND MAINTENANCE OF ACCESS CONTROL SYSTEM AT IUAC CAMPUS, NEW DELHI

NIT No.-IUAC/NIT/01/BD/ 2019-20

BOQ						
SITC Access Control System at IUAC ,New Delhi						
NIT No. :						
S. No.	Item	Item	Unit	Qty	Rate	Amount
1.		Automatic Based Flap Barrier as per Specifications	Nos	2		
2.		<u>Switch Based boom Barrier as per Specifications</u>	Nos	2		
3.		<u>Access control system (Finger Print Reader).</u>	Nos	4		
4.		2 No of Night Vision CCTV as per specification	Set	1		
5.		Cat-6 Network Cable (As per Actual use)	Mtr	1		
6.		1.5 sqmm Electrical Cable (As per Actual Use)	Mtr	1		
7.		25 mm PVC Conduit (As per Actual Use)	Mtr	1		
8.		Porta Cabin of size 3.1x2.1x3.0 mtr on brick work as per specifications	Nos	2		
9.		Cartage, Fixing, Installation, Commissioning, etc	Job	2		
10.		CAMC Charges year wise including spare parts			(In Lumpsum INR / Per Year)	
		First year after warranty period	Job	1		
		Second Year after warranty period	Job	1		
		Third Year after warranty period	Job	1		
		Fourth year after warranty period	Job	1		
		Total				
		GST				

Grand Total	

Special Instructions to the Contractors/Bidders for the e-submission of the bids online through this eProcurement Portal

1. Bidder should do Online Enrolment in this Portal using the option Click Here to Enroll available in the Home Page. Then the Digital Signature enrollment has to be done with the e-token, after logging into the portal. The e-token may be obtained from one of the authorized Certifying Authorities such as eMudhraCA / GNFC / IDRBT / MTNL Trustline/SafeScript/TCS.
2. Bidder then logs into the portal giving user id / password chosen during enrollment.
3. The e-token that is registered should be used by the bidder and should not be misused by others.
4. DSC once mapped to an account cannot be remapped to any other account. It can only be Inactivated.
5. The Bidders can update well in advance, the documents such as certificates, purchase order details etc., under **My Documents** option and these can be selected as per tender requirements and then attached along with bid documents during bid submission. This will ensure lesser upload of bid documents.
6. After downloading / getting the tender schedules, the Bidder should go through them carefully and then submit the documents as per the tender document, otherwise, the bid will be rejected.
7. The BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for that tender. Bidders are allowed to enter the Bidder Name and Values only.
8. If there are any clarifications, this may be obtained online through the e-Procurement Portal, or through the contact details given in the tender document. Bidder should take into account of the corrigendum published before submitting the bids online.
9. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender schedule and they should be in PDF/XLS/RAR/DWF formats. If there is more than one document, they can be clubbed together.
10. Bidder should arrange for the EMD as specified in the tender. The original should be posted/couriered/given in person to the Tender Inviting Authority, within the bid submission date and time for the tender.
11. The bidder reads the terms and conditions and accepts the same to proceed further to submit the bids
12. The bidder has to submit the tender document(s) online well in advance before the prescribed time to avoid any delay or problem during the bid submission process.
13. There is no limit on the size of the file uploaded at the server end. However, the upload is decided on the Memory available at the Client System as well as the Network bandwidth available at the client side at that point of time. In

order to reduce the file size, bidders are suggested to scan the documents in 75-100 DPI so that the clarity is maintained and also the size of file also gets reduced. This will help in quick uploading even at very low bandwidth speeds.

14. It is important to note that, **the bidder has to Click on the Freeze Bid Button, to ensure that he/she completes the Bid Submission Process. Bids Which are not Frozen are considered as Incomplete/Invalid bids and are not considered for evaluation purposes.**
15. In case of Offline payments, the details of the Earnest Money Deposit(EMD) document submitted physically to the Department and the scanned copies furnished at the time of bid submission online should be the same otherwise the Tender will be summarily rejected
16. The **Tender Inviting Authority (TIA)** will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues.
17. The bidder may submit the bid documents online mode only, through this portal. Offline documents will not be handled through this system.
18. At the time of freezing the bid, the eProcurement system will give a successful bid updation message after uploading all the bid documents submitted and then a bid summary will be shown with the bid no, date & time of submission of the bid with all other relevant details. The documents submitted by the bidders will be digitally signed using the e-token of the bidder and then submitted.
19. After the bid submission, the bid summary has to be printed and kept as an acknowledgement as a token of the submission of the bid. The bid summary will act as a proof of bid submission for a tender floated and will also act as an entry point to participate in the bid opening event.
20. Successful bid submission from the system means, the bids as uploaded by the bidder is received and stored in the system. System does not certify for its correctness.
21. The bidder should see that the bid documents submitted should be free from virus and if the documents could not be opened, due to virus, during tender opening, the bid is liable to be rejected
22. The time that is displayed from the server clock at the top of the tender Portal, will be valid for all actions of requesting bid submission, bid opening etc., in the e-Procurement portal. The Time followed in this portal is as per Indian Standard Time (IST) which is GMT+5:30. The bidders should adhere to this time during bid submission.
23. All the data being entered by the bidders would be encrypted at the client end, and the software uses PKI encryption techniques to ensure the secrecy of the data. The data entered will not be viewable by unauthorized persons during bid submission and not viewable by any one until the time of bid opening. Overall, the submitted bid documents become readable only after the tender opening by the authorized individual.
24. During transmission of bid document, the confidentiality of the bids is maintained since the data is transferred over secured Socket Layer(SSL) with 256 bit encryption technology. Data encryption of sensitive fields is also done.

25. The bidders are requested to submit the bids through online eProcurement system to the TIA well before the bid submission end date and time (**as per Server System Clock**).