



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली
मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा स्थापित
सैक्टर 81, नॉलेजसिटी, पं०ओ० मनोली, एस० ए० एस० नगर, मोहाली, पंजाब 140306
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI
(Established by Ministry of Human Resource Development, Govt. of India)
Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab
PAN No. - AAAAI1781K GST: 03AAAAI1781K2ZS

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CPPP/Institute Website

IISERM (1029-2)18/19-Pur

Dated :10.01.2019

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of Director, IISER Mohali in **TWO BID SYSTEM** for **Supply of and installation of Network based Biometric Lock Systems and Surveillance** from reputed companies/firms/ individuals/ societies etc. those are in the similar business at CPPP i.e.. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in.

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(Mukesh Kumar)
Assistant Registrar (S&P)



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E-TENDER NOTICE

Tender Ref.- IISERM(1029-2)18/19-Pur

Dated :- 10th Jan, 2019

Critical Date Sections

Sr.	Description	Date	Time
1.	Tender Publishing Date and time	10 th Jan, 2019	6:00pm
2.	Tender Document download start Date & Time	10 th Jan, 2019	6:00pm
3.	Bid Submission start Date & Time	10 th Jan, 2019	6:00pm
4.	Bid Submission End date and Time	04 th Feb, 2019	Upto 11:00am
5.	Tender opening Date and Time	05 th Feb, 2019	At 11.30 am

Online tenders are invited on behalf of the Director, IISER Mohali in **TWO BID SYSTEM** for following item(s) from the original manufacturer/supplier at CPPP i.e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.iisermohali.ac.in. Tender fee in shape of DD/Banker Cheque of Rs 590/- (Non-refundable) and EMD of Rs.25000/- should be submitted by DD /Banker Cheque/FDR/ Bank Guarantee in favour of the Registrar, IISER Mohali payable at Mohali. However, scanned copy of the both tender fee and EMD should be upload on website along with technical bid part. The hard copy of the same in original to be send to the address mentioned below duly superscribing the supply/work name and reference/ tender ID on the envelope and same must reach before opening the bid and if not received within due date the bid will be rejected summarily.

The Original EMD and Tender Fee should be sent to:

Assistant Registrar (S&P)
Indian Institute of Science Education and Research,
Mohali Sector 81, SAS Nagar, Mohali, Punjab,
India, Pin: 140306

Non-receipt of original EMD and Tender Fee will lead to rejection of tender.

Item Details:**Network based Biometric Control and Monitoring System for Gas Distribution and Cleanroom in EHEP Lab**

Sln	Description/Specification	QTY	Compliance
A. Biometric Lock Systems and Surveillance		Entire Solution	
A.1	<p>Need a complete integrated network based biometric locking and management system. (A schematic is attached to this document with labels)- ANNEXURE-A</p> <ol style="list-style-type: none"> 1. Number of doors (both side sensors, in and out): 4 2. Number of doors (One-side sensor): 4 3. Number of Glass Doors: 1 4. Fingerprint based Door Controller: 8 <ol style="list-style-type: none"> a. Must have touch screen b. POE and WIFI based IP65 weather Rating, should be interface and communicate to control/management server for syncing data. c. Should be capable of time-attendance and access control d. Should log at least 400,000 events and should hold more than 6000 biometric templates e. It should interface with door lock, door sense, door exit reader, and exit switch, Ethernet, RS485 etc. f. Should have temper detection feature 5. Fingerprint based Reader: 5Pcs <ol style="list-style-type: none"> a. Optical fingerprint-based reader b. Should support RS-232/RS485, and Power should be Drawn through PoE, communication and template transfer must be done through PoE Ethernet protocol to communicate to main server. c. Should be capable of time-attendance and access control. d. Should be compatible with above door controller e. Should have temper detection feature 6. Relevant Software and Modules <ol style="list-style-type: none"> a. Application software if any with licenses for at least 300 users and expandable to 500 users b. Time & Attendance software module c. All the software should be compatible to entire solutions 7. Other Accessories <ol style="list-style-type: none"> a. Enrolment station – 2pcs b. Battery backup for door controller – 3Pcs 8. Locks <ol style="list-style-type: none"> a. EM Lock for double glass door: 1pc b. EM lock for double aluminum door: 7pcs 9. POE Switch, Cables and Installation <ol style="list-style-type: none"> a. 16 Port POE Switch (10/100/1000): 2PCs b. Ethernet cables as per requirement (Schematic is attached with approximate dimension) c. Cables and installation are the scope of vender 10. 32 Channel NVR with 4k: 1 PCS <ol style="list-style-type: none"> a. Should support at least 4 x 8 TB SATA HDDs (2 x 8TB HDD should be added during tendering), should also have raid0, 1, 5 and 10 redundancy support. b. Should support 12MP, 8MP, 5MP, 3MP 1080P, D1 and CIF recording resolutions c. Should have at least 512 Mbps throughput [256up link+256d down link] 11. IR Bullet Camera at least 3MP or more: 5PCs <ol style="list-style-type: none"> a. Must have PoE support, Direct mountable NAS, SD Card 		

	<ul style="list-style-type: none"> supports b. Must have intrusion and motion detection capabilities c. Field of view 82 degrees/52 degrees or more wider d. IP66, BIS, CE, FCC and RoHS compatible <p>12. IR DOME Camera at least 3MP or more: 15 PCS</p> <ul style="list-style-type: none"> a. Must have PoE support, Direct mountable NAS, SD Card supports b. Must have intrusion and motion detection capabilities c. Field of view 82 degrees/52 degrees or wider d. IP66, BIS, CE, FCC and RoHS compatible <p>13. Additional Information</p> <ul style="list-style-type: none"> a. Total Number of PUF Doors – 7 (seven) b. Total Number of Glass Doors – 1 (one) c. Total Finger Print Based Door Controller – 8 (eight) d. Total Fingerprint based Reader - 8 (eight) e. Thus, No Exit Switch f. Total Compatible local Battery Backup – 4 (four) g. Number of Dome Camera – 15 (fifteen) h. Number of Bullet Camera – 5 (five) i. Compatible rechargeable battery for above battery backups. j. Racks to mount Server and PoE switches are not within the scope of vender, however, bidders/vendors must provide rack-rail kits to mount switches and servers in the existing racks. k. Patch panels are within the scope of vendors/bidders. l. A tentative positioning of the cameras and doors (biometric locks) are shown in the schematics – however, there might be slight changes during the actual installations. m. Vendor must provide appropriate shielding through different type of batten/channel/GI pipes etc. to protect Ethernet cables. And all these materials are in the scope of vendor. n. The plans for routing cables are shown in the schematic. The blue arrows depict the existing channels, red arrows illustrate the channels to be laid down and orange arrows show the channels to be laid down in open air (outside the room area). Vendors must ensure that the appropriate channels/battens/GI pipes to install in as per requirement to make the installation more secure. Dimensions are shown in schematics; thus, vendor must calculate the total distances to decide the quantity of cables, battens, channels, GI pipes etc. o. Outside building, the routing must be done using GI pipes to protect cables, as they are required to be secure lines to the devices. 		
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B. Control and Management Node

B.1	<ul style="list-style-type: none"> 1. Rack Mountable (1U/2U) 2. Xeon E5; 8 or more Cores processor 2.40Ghz or more, 20MB or more Cache 3. 64GB or more RAM 4. At least 256 GB NVMe; 5. 2 x 4TB SATA HDD 6. 2 x 1G Ethernet cards 7. 2 x 10G Base-T Ethernet cards. 8. No Operating System is Needed 9. Rail Kits must be provided along with the servers 10. Appropriate power cables must be provided. 11. Raid Controller must be there with 0,1,5,6,10 	1	
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B.2	<ol style="list-style-type: none"> 1. Rack Mountable (1U/2U) 2. Xeon E5; 8 or more Cores processor 2.40Ghz or more, 20MB or more Cache 3. 64GB or more RAM 4. At least 256 GB NVMe; 5. 2 x 4TB SATA HDD 6. 2 x 1G Ethernet cards 7. 2 x 10G Base-T Ethernet cards. 8. Windows Professional 64bit 9. Rail Kits must be provided along with the servers 10. Appropriate power cables must be provided. 11. Raid Controller must be there with 0,1,5,6,10 	1	
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C. Monitoring and Display Panels

C.1	<p>43" LED Panel for Regular Information Display and Monitoring, complete with stand/hanging arrangements/wall mounting kits and remotes.</p> <ol style="list-style-type: none"> 1. Commercial Grade Display Solution for Long term running 2. Smart Solution 3. Must Have Ethernet Connectivity 4. Must have USB Ports 5. Must have multiple HDMI Connectivity (at least two) 6. Indian Power cord and HDMI Cables 7. Metallic Panel to hang the displays on PUF/Concrete walls/roof 8. Must have supported mobile operating system 9. Must have built in WiFi connectivity 10. Screen Resolution Full HD 1920*1080 11. Must have live zoom facility 12. Refresh rate of 60 Hz 13. Smaller bezel will be preferred 14. Brand: Sony, LG, Samsung, Panasonic 	6	
C.2	<p>55" or More LED/LCD Panel for Regular Information Display and Monitoring, complete with stand/wall mounting kits and remotes.</p> <ol style="list-style-type: none"> 1. Commercial Grade Display Solution for Long term running 2. Smart Solution 3. Must Have Ethernet Connectivity 4. Must have USB Ports 5. Must have multiple HDMI Connectivity (at least two) 6. Indian Power cord and HDMI Cables 7. Metallic Panel to hang the displays on PUF/Concrete walls/roof 8. Must have supported mobile operating system 9. Must have built in WiFi connectivity 10. Screen Resolution Full HD 1920*1080 11. Must have live zoom facility 12. Refresh rate of 60 Hz 13. Smaller bezel will be preferred 14. Brand: Sony, LG, Samsung, Panasonic 	1	

D. Projector and Conference Tool

D.1	<p>Short Through: For Interactive Conferencing Facility</p> <ol style="list-style-type: none"> 1. Wireless screen share connection (with Android O/S, WiDi) 2. Image contrast ratio 16000:1 3. Display resolution at least 1920*1080 4. Must have USB port 5. Must have HDMI port 6. Must have WiFi connectivity 7. Computer memory type DDR SDRAM 	1	
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	8. Should have at least 10000h of lamp life 9. Colour Brightness more than 2500 Lumens 10. White Brightness more than 2500 Lumens		
D.2	1. Normal Projector 2. Must have HDMI port 3. Must have USB port 4. Must have WiFi connectivity 5. White Light Output more than 4000 lumen 6. Colour light output more than 4000 lumen 7. Contrast ratio 3000:1 8. Must be able to project multiple PCs 9. Screen Resolution at least 1920*1080	2	
E. Display and storage Controller			
E.1	Mac mini, 3.2GHz, 6 cores 8 th Gen Intel i7, 32GB RAM, 1TB SSD, 10G Ethernet	1	
E.2	QNAP - TVS-1282T3-i7-64G, 3.6 GHz Intel Core i7-7700; Quad-Core; 64GB of 2133 MHz DDR4 RAM; 2 x 10GbE 4 x Gigabit Ethernet; Thunderbolt 3; USB 3.0 Type-A; HDMI; Company-installed 2 x 256GB M.2 SATA;	1	
G. General Comments			
1	Vendor may choose to bid A, B, C, D and E together or separately, however the bids will be considered separately for each group.		
2	Scope of the work is to provide Turnkey Solution for (A) that includes but is not limited to installation only. It should cover Design, Supply, Installation, Implementation, Commissioning, Training, providing user manual, providing 3-year Warranty for the total solution including all hardware, software, materials, services and support etc.		
3	Scope of the work is to provide Turnkey Solution for (B) that includes but is not limited to installation only. It should cover Design, Supply, Installation, Implementation, Commissioning, Training, providing user manual, providing 3-year Warranty for the total solution including all hardware, software, materials, services and support etc.		
4	Scope of the work is to provide Turnkey Solution for (C) that includes but is not limited to installation only. It should cover Design, Supply, Installation, Implementation, Commissioning, Training, providing user manual, providing 3-year Warranty for the total solution including all hardware, software, materials, services and support etc.		
5	Scope of the work is to provide Turnkey Solution for (D and E) that includes but is not limited to installation only. It should cover Design, Supply, Installation, Implementation, Commissioning, Training, providing user manual, providing 3-year Warranty for the total solution including all hardware, software, materials, services and support etc.		
6	Vendor must explicitly put the compliance agreement to each item; failing the same may attract disqualification.		
7	Vendor/bidder may send their queries, if any on or before 25/01/2019; Answer/clarification/modification, if any, will be published after collecting all queries. NO QUERIES WILL BE ENTERTAINED AFTER THIS DATE.		

SUBMISSION OF TENDER

- I. All bid/ tender documents are to be uploaded online at Central Public Procurement portal i.e. <https://eprocure.gov.in/eprocure/app> only and in the designated cover/ part on the website against tender ID. Tenders/ bids shall be accepted only through online mode and no manual submission of the same shall be entertained except tender fee and EMD. Late tenders will not

be accepted.

- II. The online bids shall be opened at the office of the Assistant Registrar (P&S), IISER Mohali, on above given date and time. If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be attended on the next working day at same time and place. IISER Mohali will not be responsible for any error like missing of schedule data while downloading by the Bidder.
- III. The bidder shall upload the tender documents duly filled in and stamped by the authorized signatory on each and every page. Tender not submitted/uploaded in the prescribed form and as per the tender terms and conditions shall be liable for rejection.
- IV. The bidder shall upload scanned copy of the PAN Card, GST number duly signed and stamped. **Also bidders applying against ‘MSME/NSIC Certificate’ issued by appropriate Authority, should ensure that the certificate attached is relevant to the area of service/supply. For example, If the tender is for “supply & installation of Desktop” the certificate should be issued for activity/area of “Computer supply and services activities etc” otherwise bid will be REJECTED without notice.**
- V. E-procurement system ensures locking on the scheduled date and time. The system will not accept any bid after the scheduled date and time of submission of bid.

INSTRUCTIONS

1. The Online bids should be submitted directly by the original manufacturer/supplier, If quotation is submitted/filled by any representative/agent/dealer then they must upload a authority certificate from the principal company for quoting the price otherwise such quotation will be rejected.
2. The quantity mentioned in this inquiry is and shall be deemed to be only approximate and will not in any manner be binding on the Institute. Before the deadline for submission of the online bid, IISER Mohali reserves the right to modify the tender document terms and conditions. Such amendment/modification will be notified on website against said tender ID.
3. The rates offered should be FOR Chandigarh/Mohali in case of firms situated outside Chandigarh/Mohali, and free delivery at the Institute premises in case of local firms. Supplier from outside India should mention the Ex-works/FOB/FCA/CIF/CIP price clearly. Conditional tenders will be summarily rejected.
4. In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Institute has policy not to make any advance payments towards any purchase, Letter of credit can be opened if required.
5. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- TU/V/RG/-CDE(1062)/201 CUSTOM DT.30.08.2016.
6. Tax: This Institute is not exempted from the payment of GST. The current rate (i.e. percentage of GST should be clearly indicated included or excluded) wherever chargeable. Please also provide/upload the copy of PAN card, GST number duly self-attested.
7. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
8. Bidder/s quoting in currency other than **Indian Rupee (INR)** should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.

9. The delivery period should be specifically stated. Earlier delivery will be preferred.
10. The firms are requested to provide/upload detailed description and specifications together with the detailed drawings, printed leaflets and literature of the article quoted. The name of the manufactures and country of manufacture should also invariably be stated. In the absence of these particulars, the quotation is liable for rejection.
11. Validity of offer: 90 days. The warranty period after satisfactory installation should be mentioned and firm should replace all manufacturing defect parts/ whole item under warranty without any extra cost including clearance, freight, taxes. Security deposit/ Bank Performance Guarantee @ 10 % of the value of supply order as per norms may be sought from the firms.
12. The right to reject all or any of the quotation and to split up the requirements or relax any or all the above conditions without assigning any reason is reserved by the IISER Mohali. For any corrigendum and addendum please be checked the website <https://eprocure.gov.in/eprocure/app> and <http://www.iisermohali.ac.in>
13. Disputes, if any, shall be subject to jurisdiction in the court of Mohali only.

-sd/-
(Mukesh Kumar)
Assistant Registrar (S&P)

Annexure-A

