Prosenjit Sen
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To,
Whomsoever it may concern

18/March/ 2019

This is a RFQ (Request for Quote) for procurement of a Biometric System as part of an open tender for the Centre for Nano Science and Engineering (CeNSE) at Indian Institute of Science (IISc). IISc is a premier academic institute in India. CeNSE (http://www.cense.iisc.ac.in/) is a department for interdisciplinary research at IISc and houses a 14,000-sq. ft. clean room apart from other lab and office space for students and staff. About 50 faculty members from all over IISc are associated with it in one way or another. It is unique in the annals of IISc and in many ways, is indeed unique in India. The centre has been running an INUP (Indian Nanoelectronics User Program) that attracts many participants from more than 150 universities spread across all over India. The program provides a hands-on experience to its participants. Similar programs also provide hands-on experience to senior professionals from various other academic and industrial research labs. Given this background, it is felt that any tool in the center will receive unparalleled exposure to the Indian and for that matter the international scientific community.

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Procedure:

1. Vendors will be required to submit their *technical proposal* and their *commercial proposal* in **two separate sealed envelopes**. Any violation of this will lead to cancellation of the proposal.
2. **The quotes should be CIF Bangalore, India basis.**
3. Please provide **itemized** quotes for the system and any attachments/packages. Vendors are encouraged to quote for as many packages as their tool portfolio permits.
4. **The proposals should be addressed to Chairperson, Centre for Nano Science and Engineering.**
5. The deadline for submission of technical and commercial proposals is the 1st of April 2019, 5 pm, Indian Standard Time. Proposals should arrive at the office of **Prosenjit Sen, Centre for Nano Science and Engineering, Indian Institute of Science, India, 560012** by the above deadline. The application packages can also be left with **Ms. Usha (Chairpersons Office), Centre for Nano Science and Engineering, Indian Institute of Science, India, 560012** or **Ms. Bhagyajyothi (First Floor Office), Centre for Nano Science and Engineering, Indian Institute of Science, India, 560012**
6. The technical proposal should contain a compliance table with 4 columns in addition to the ones in the technical requirements table that has been included with this RFQ below. The compliance table should include all the items and in the same order. The first column should describe your compliance in a "Yes" or "No" response. If "No" the second column should state the extent of deviation. The "third" column should state the reasons for the deviation if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below.
7. Items in addition to that listed in the technical table that you would like to bring to the attention of the committee can be listed at the end of the compliance table.
8. **Vendors are encouraged to highlight the advantages of their tools over comparable tools from the competitors.**

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Technical Specification

1. All performance parameters requested in the RFQ need to be demonstrated at the time of installation as a part of the equipment acceptance.
2. Due to the security and safety issues involved with the national facilities **bids from reputed OEM and their authorized representatives will be encouraged**.
3. Please provide reference of large installation of a biometric access system in India. Here "large installation" is defined as more than 30 doors and more than 300 concurrent users. The vendor should have at least 3-year experience in maintaining large installations. Please provide historical data with references.
4. The vendor is required to provide a guarantee regarding at least 10 year support for equipment and software.
5. In event that a service is required, the firsts response from a service engineer has to be within 24 hours. In event of breakdown replacement should be provided within 1 week.
6. Centrally controlled biometric system for 120 doors. The system should consist of door readers and central controllers. The door readers should have capability to check access using finger print or access cards. The door readers should verify access with the controller. Once approved the door lock should be released.
7. Door lock should be electromagnetic locks.
8. Out of the 120 doors, 107 doors will have entry access through readers. Exit access will though a touchless exit button. 9 doors will be emergency exit only with touchless exit button. 4 doors should have the capability to enter and exit both using separate readers. Based on door counts a total of 115 readers and 116 exit switches will be required.
9. Please mention the capability of these readers to work on outside of the building (i.e. building entry /exit doors). Out of the total readers mentioned above 10 such readers will be for external (building entry / exit doors). Remaining readers will be for doors inside the building.
10. In quote include cost for 5 additional readers for various other purposes, including user registration.
11. For the doors equipped with readers at both entry and exit the software should allow us to generate real time report of occupancy of those rooms.

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12. Access control, database management and setup should be possible through remote console. The remote console should allow capability to operate door lock remotely.
13. All the doors should be programmable through a remote console.
14. Additional view only consoles to monitor the status of the overall system
15. User interface should show door status.
16. For selected doors the system should have capability to raise alarm if the door is left open for a duration more than a set duration.
17. Capability to electronically trigger system shutdown in cases of emergencies (fire alarm, gas alarm etc.). During shutdown all the doors should default to an open state. Provide technical details regarding the triggering system. This capability is critical.
18. Capability to provide time dependent access control. The software should allow us to disable access control on selected doors for a fixed duration.
19. Please specify the compatibility of the controller units with readers from other reputed vendors. Please specify if the controller and the readers communicate using any standard protocol.
20. The system should have the capability to generate access reports. The system should have capability to automatically download access control data from the controllers to the server.
21. Provide information regarding the compatibility of the card and the reader with other software or database. For example, if the same access card can be used to interface with an external/additional database (e.g. managing consumables).
22. In the quote you are requested to provide itemized cost for spares.
23. The vendors should provide a technical drawing showing connections, routers and protocols used for communication between the different components of the biometric system.
24. Please indicate if the system can capture image of the individual using the reader. This capability to capture and store images should be included as an **optional item separate from the main quote** in the quote.
25. Please provide information regarding **annual maintenance contract (AMC)** including the annual fees for AMC as an **optional item** separate from the main quote. Please provide details of coverage under AMC.
    a. Provide detail information and budget for AMC for a period of 10 years

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    b.   Provide detail information and budget for AMC for a period of 5 years

26. Please indicate the warranty provided with the system. Longer (3 year) warranty periods are preferable.