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तार : बार्क-मुंबई, चेम्बूर.  
TELEGRAMS : BARC-MUMBAI, CHEMBUR.  
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दुम्बे,  
मुंबई-४०० ०८५.  
TROMBAY,  
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भारत सरकार  
GOVERNMENT OF INDIA  
भाषा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE

## Product Development Section

### Tender Enquiry

07, MAY 2018

1. Tender number : PDS/Key management / 2018/ 97
2. Description of the work : Supply, Installation, commissioning and testing of fingerprint biometric, PIN & RFID based user identification Key Management System with 80 RFID based keys and computing device for Key management & report generation along with required Software. Quantity – 1 set.
3. Specifications : As per Annexure- I
4. Due date & Time : 25<sup>th</sup> MAY 2018
5. Mailing Address : Shri Ramesh G Nimje  
SA/F, Product Development Section  
S-62, South Site, BARC, Trombay  
Mumbai – 400 085
6. Person to contacted for any clarification : Shri Ramesh G. Nimje, SA(F), PDS  
Tel No. 25596465 / 2559 6451
7. Terms of Submission : All the firms should submit **technical and financial bid** separately in sealed envelope super scribing with i) Tender No. ii) Due Date & iii) Name of work **by Indian Speed post only.**  
**Financial bid of those firms whose technically qualified bids will only be opened.**

sd/-

(Ramesh G. Nimje)  
SA(F), Product Development Section  
RC & I Group, BARC

**Terms and Conditions:**

1. Quotation are to be on printed Letter Head/ Quotation Format Which should consist of
  - a. GST number
  - b. PAN number
  - c. CST registration number of the firm.
2. Please mention the delivery period, validity of offer, taxes applicable and payment terms clearly in the offer.
3. Incomplete quotation will not be considered.
4. The material supplied will be covered by guarantee for one year from the date of completion of the work order. Guarantee / **Warranty certificate should be produced along with the bill.**
5. Since the goods are to be supplied against the work order meant for research purpose of a research organization under DAE, the GST allowed is 5% and the necessary GST EXCEMPTION certificate will be provided to the supplier if applicable.
6. Delivery & Completion:                      Within 45 days from the date of receipt of this order, at PDS, South site, BARC, Trombay, Mumbai.  
  
Any delay which is attributable to the contractor is liable for penalty @ ½% per week (max. 5 %) to be imposed on the contractor.
7. No FIM:                                No Free Issue Material will be supplied for the fabrication job.
8. Payment:                              No advance is admissible. Payment will be released only after satisfactory completion of the work on submission of following documents:
  - a. Satisfactory work completion certificate from our officer
  - b. Invoice in triplicate
  - c. Advance stamped receipt
  - d. Guarantee certificate
9. Income Tax:                         Income tax @ 2% and surcharge on IT as applicable shall be deducted from your bill. Education Cess @ 3% will also be deducted on it & SC.
10. In-charge for this work will be **Shri Ramesh G. Nimje, SA(F)**, any clarification regarding the above work can be obtained from him on Tel. 2559 6465 / 6451 or by email: rgnimje@barc.gov.in.
11. All other terms of general contract are also applicable.

**IMPORTANT: Following clauses are part of terms and conditions of this contract.**

### **I. CONFIDENTIALITY**

No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as “**PROPRIETARY**” in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

### **II. “RESTRICTED INFORMATION” CATEGORIES UNDER SECTION 18 OF THE ATOMIC ENERGY ACT, 1962 AND “OFFICIAL SECRETS” UNDER SECTION 5 OF THE OFFICIAL SECRETS ACT, 1923:-**

Any contravention of the above-mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

### **III. Prohibition against use of BARC’s name without Permission for publicity purposes.**

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC’s name for any publicity purpose through any public media like Press, TV, Radio or Internet without the prior written approval of BARC.

sd/-

(Ramesh G. Nimje)  
SA(F), Product Development Section  
RC & I Group, BARC

Scope of work:

Supply, Installation, commissioning and testing of fingerprint biometric, PIN & RFID based user identification Key Management System with 80 RFID based keys and computing device for Key management & report generation along with all required Software at PDS facility in BARC Mumbai-400094 as per given specifications. **Quantity – 1 Set.**

Technical specifications of Key management system and computing device.

1. Cabinet of the key management system should have minimum 80 RFID based key identification slots.
2. Cabinet should hold conventional keys securely and key attached to RFID tag with locking arrangement.
3. All RFID key tags should be uniquely identified and individually locked and can be placed in any slots.
4. System should support Finger print /PIN/RFID based user identification individually or combined and have feasibility of implementing dual authentication for sensitive keys. Reader modes should be configurable.
5. It should be possible to enroll employees fingerprint and their card UID to the system and storing PIN and fingerprint template in reader memory along with employee details.
6. Fingerprint verification should have FRR < 0.1 % & FAR < 0.001 %
7. It should work on standalone mode and network mode.
8. System should support read write of Philips mifare RFID smart card. Read range should 20 to 100 mm or better. Operating frequency should be 13.56 MHz.
9. System should work on 230 V AC power supply and have battery backup for minimum 2 hours.
10. Enclosure shall be made of 18 SWG mild steel sheet, powder coated cabinet, with SS front plate having the dimensions (approximate) of width -450mm, Height -950mm and depth-150mm.
11. System should have a colour graphic LCD and keypad provides user interface and simple messages are displayed on the graphic LCD for the user.
12. Key management system should have separate industrial grade computing device for management and report generation.
13. Computing device should have features of Intel i5 processor, 3GHz CPU, 4GB RAM, 1TB storage, Windows 10, 22" LED Monitor HP pavilion 550-111of better, touch pad key board, OS independent with web browser based GUI.
14. All required software should be provided along with the system for database backup, restore & repair functionality & Compatible with IE8+, Chrome, Opera & Mozilla etc.
15. Two sets of operating manual should be provided.

sd/-

(Ramesh G. Nimje)