

**BOSE INSTITUTE  
KOLKATA**

**BIDDING DOCUMENTS**

For Tender Notice No.

**BI/LIB/RFID/2015-16/E/1 dt. 11.01.2016**

**To be addressed to:**

**The Sr. Prof. & Incharge, Registrar's Office,  
Bose Institute, Centenary Building,  
P-1/12, CIT Scheme – VII -M  
Kolkata – 700054 (INDIA)**

**BOSE INSTITUTE**  
**Centenary Building,**  
**P-1/12, CIT Scheme – VII / M, Kankurgachi,**  
**Kolkata – 700054 (INDIA)**

**CHAPTER – I: INVITATION TO BIDS**

Director, Bose Institute, Kolkata, West Bengal, India invites *sealed* offers in **Single bid system** from **reputed vendors / suppliers** for the supply, installation, commissioning and project implementation of the following :

<b>Sl. No.</b>	<b>Name of the instrument</b>	<b>Bid security (EMD)</b>
1.	<b>RFID Automation System</b>	Rs. 20,000.00

**Tender Notice No.** : **BI/LIB/RFID/2015-16/E/1 dt. 11.01.2016**

**Last date & Time for Submission** : **08<sup>th</sup> February, 2016 upto 14:00 hours**

**Date/Time for opening of bids** : **08<sup>th</sup> February 2016 at 15:00 hours**

**Venue of Bid Opening** : **Centenary Building, Bose Institute, Seminar Room (Annexe Block), P-1/12, C.I.T. Scheme – VII / M, Kankurgachi, Kolkata – 700054**

**Submission of tender** : **Tender Box at Import Cell  
At 1<sup>st</sup> floor in Annexe Block  
Centenary Building, Bose Institute  
P-1/12, C.I.T. Scheme – VII / M**

**Serial no. and name of the instrument shall be mentioned on the envelope positively.**

The Techno-Commercial bids will be opened in the presence of representatives of tenderers who choose to attend. **If the date of opening happens to be a holiday, the bids shall be opened on the next working day at the same time.** Fax/email bids or Late/Delayed tenders shall not be considered.

**Director, Bose Institute reserves the right to accept or reject any or all tenders either in part or in full. The reasons for rejecting the tender of a prospective bidder will be disclosed only when enquiries are made.**

**Sr. Prof. & Incharge, Registrar's Office**

## **CHAPTER – II: INSTRUCTION TO BIDDERS**

### **A. INTRODUCTION**

#### **1. Eligible Bidders**

- 1.1 This Invitation for Bids is open to all manufacturers or their dealers specifically authorized by the manufacturers / service providers to quote on their behalf for this tender as per Manufacturer's Authorization form specified.

#### **2. Cost of Bidding**

- 2.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and "the Purchaser", will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

### **B. THE BIDDING DOCUMENTS**

#### **3. Cost of Bid Document**

Tender documents are available free of cost at Bose Institute website <http://www.jcbose.ac.in> Interested and eligible bidders may download the same directly from the website. No request for the tender document shall be entertained.

#### **4. Amendment To Bid Document**

- 4.1 At any time prior to the deadline for submission of bids, the Purchaser may, for any reason, make amendments, such amendments shall form an integral part of bid documents and it make to the bidding documents shall amount to an amendment of relevant clauses of the Bid Document.
- 4.2 Normally no interim queries will be entertained. However, for any specific **clarifications on any aspect of the tender, the prospective bidders may write to: The Convener, Tender Opening Committee ([bipurchase@jcbose.ac.in](mailto:bipurchase@jcbose.ac.in)). Request for clarifications, if any, should reach at least 08 days before the bid opening date.**
- 4.3 **All prospective bidders are required to keep a watch on the Bose Institute website <http://www.jcbose.ac.in> about any amendment to the tender document or any clarification to the queries raised by the bidders.** The Purchaser reserves the right to reject the bids if the bids are submitted without taking into account these amendments/clarifications. In order to allow prospective bidders reasonable time to make the amendments taking into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

### **C. PREPARATION OF BIDS**

#### **5. Language of Bid**

The Bid prepared by the Bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser shall be written in English language.

- 5.1 Provided that any printed literature furnished by the bidder may be written in another language but it is to be accompanied by an English translation of its pertinent passage(s) duly signed and verified as true English translation. The

responsibility for the correctness of the translation will be solely and completely on the bidder and the Purchaser will not be responsible for any loss/likely loss due to error in translation whatsoever. In such cases, for the purpose of interpretation of the bid, the English translation shall only prevail.

**5.2** Techno-Commercial Bid shall also include the following :

- (i) Bid Security/ EMD as specified in the invitation to bids;
- (ii) Manufacturer's Authorization Form (Chapter III) ;
- (iii) The Comprehensive Annual Maintenance Contract (CAMC) terms & conditions detailing the exclusions, if any.

**6. Bid Prices**

**6.1** Bidders are requested to give their final and best offer. Techno-Commercial Discussions may be held with the Lowest Bidder only, if necessary.

- (i) The price of the goods, quoted should be (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), inclusive of all duties and sales and other taxes already paid or payable. For foreign bidders who would quotes through their authorized Indian agents, prices should be quoted as CIF/CIP, Kolkata.
- (ii) **Taxes:** The amount payable on account of Excise Duty, Customs Duty and other applicable taxes (VAT/CST/Service) should be mentioned clearly. **If there is no explicit mention of taxes in your offer then quoted price will be deemed inclusive of such taxes. No other charges except those mentioned clearly in the quotation will be paid.**
- (iii) For indigenous bidders rates should be quoted FOR, Bose Institute, Kolkata inclusive of packing, forwarding, installation and commissioning charges documentation, freight and insurance charges etc. If ex-works prices are quoted then packing, forwarding, transportation, freight, insurance, documentation charges etc. must be clearly mentioned separately. Vague terms like "packing, forwarding, transportation, freight, insurance, documentation charges etc. extra" without mentioning the specific amount/percentage of these charges will NOT be accepted. Such offers shall be treated as incomplete and rejected. **Where there is no mention of packing, forwarding, freight, insurance charges, documentation, freight and insurance charges such offers shall be summarily rejected as incomplete.**

**7. Documents Establishing Goods' Eligibility and Conformity to Bid Document**

- 7.1** The documentary evidence of the goods and services eligibility shall consist of a statement of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin at the time of shipment.
- 7.2** The bid security may be forfeited, if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form.

## **D. SUBMISSION OF BIDS**

### **7.3 The inner and outer envelopes shall:**

Be addressed to the Purchaser at the following address:

**Sr. Prof. & Incharge, Registrar's Office,  
Bose Institute,  
Centenary Building,  
P-1/12, CIT Scheme-VII/M,  
Kankurgachi,  
Kolkata – 700054 (WB) INDIA**

**7.4** If the outer envelope is not sealed and marked, the Purchaser will assume no responsibility for the bid's misplacement or premature opening.

**7.5** Telex, Cable, Fax or e-mail bids will be rejected.

**7.6** Envelopes containing the bids shall be dropped in the Tender Box earmarked for the relevant tender notification, envelopes dropped in places other than the Tender box will not be considered. It will be the sole responsibility of the bidder to ensure that the bids are dropped at the specified box only.

**7.7** Name of the instrument with Sl. No. shall be mentioned in the envelop without fail.

### **8. Deadline for Submission of Bids**

Bids must be received by the Purchaser at the address specified here not later than the time and date specified in the Invitation for Bids. In the event of the specified date for the submission of Bids being declared a holiday for the Purchaser, the Bids will be received upto the appointed time on the next working day or at any other date and time to be specified by the purchaser in it's website.

### **9. Late Bids**

Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser will be rejected.

## **E. OPENING AND EVALUATION OF BIDS**

### **10. Opening of Bids by the Purchaser**

**10.1** The Purchaser will open all Bids received within due date and time - as per the schedule given in invitation to bid.

**10.2** The firm is at liberty to be present or authorise a representative to be present during opening of bid at the time and date as specified.

### **11. Warranty**

**11.1** The Supplier shall warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier shall further warrant that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the

design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination. The warranty should be comprehensive and on site.

**11.2** **This warranty shall remain valid for 36 months** after the Goods or any portion thereof as the case may be, have been delivered to and accepted at the final destination and installed indicated in the Contract.

**12. Bid Security or Earnest money deposit (EMD)**

**12.1** The Bidder shall furnish, as part of its bid, a bid security for an amount as specified in the Invitation for Bids/NIT. The bid security is required to protect the Purchaser against the risk of Bidder's conduct, which would warrant the security's forfeiture.

**12.2** (i) Pay order / demand draft on any nationalized bank ; **OR**

**12.4** ***Bid Security should be submitted in a separate envelope superscribed with 'Bid Security' for the Equipment -----' 'Tender Notice No. -----'***

**12.5** Unsuccessful bidder's bid security will be discharged as promptly as possible but not later than 15 days after the expiration of the period of bid validity or placement of order which ever is later. **No interest shall be paid on the EMD.**

**12.6** The successful Bidder's bid security will be discharged upon the Bidder furnishing the performance security in cases where it is mentioned in the purchase order.

**12.7** The bid security may be forfeited :

(i) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or

(ii) In case of a successful Bidder, if the Bidder fails to furnish order acceptance within 30 days of the order and/or fails to furnish Performance Security.

(iii) ***Bid Security should be submitted in favour of "Director, Bose Institute".***

**13 Payment**

**13.1** The general conditions of payment for any indigenous items are 100% payment after successful installation & commissioning of the equipment. In case the equipment does not need any installation & commissioning the period shall be reckoned from the date of delivery & inspection.

**13.2** The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and the Services performed, and by documents and upon fulfilment of other obligations stipulated in the contract.

**13.3** Payments shall be made promptly by the Purchaser after submission of the invoice or claim by the Supplier.

**13.4** Payment shall be made in currency as indicated in the order.

**14. Performance Security**

**14.1** **Performance security amounting to 10% of the order value has to be submitted within 10 days of receipt of the notification of contract award/purchase order, in the form of Bank Guarantee issued by a Nationalized/Scheduled bank located in India on the format provided in the bidding documents. OR**

(i) Indian manufacturers/suppliers or Authorized Indian Agents of the Foreign

Principals can submit the performance security on behalf of their foreign principals in the form of Bank Guarantee

- (ii) Foreign Principals can submit performance security directly in the form of bank guarantee on the format provided in the bidding documents from any bank but the same has to be certified by a scheduled bank having branch in Kolkata, India.

14.2 The performance security shall be valid for a period of 60 days following the date of completion of the Supplier's performance and warranty obligations. The performance Security shall be discharged by the Purchaser and returned to the Supplier on expiry.

15. **Period of Validity of Bids**

15.1 **Bids shall remain valid for 90 days after the date of bid opening prescribed by the Purchaser.** A bid valid for a shorter period may be rejected by the Purchaser as non-responsive.

16. **Order Acceptance**

16.1 The successful bidder should submit acceptance of the Purchase Order immediately but not later than 30 days in any case from the date of issue of the Purchase Order failing which it shall be presumed that the vendor is not interested and his bid security is liable to be forfeited.

17. **Delivery and Documents**

17.1 Delivery of the goods should be made within a maximum of **8 weeks from the date of placement of purchase order.**

**CHAPTER – III: MANUFACTURERS' AUTHORIZATION FORM /  
CERTIFICATION FORM**

No. \_\_\_\_\_

Dated \_\_\_\_\_

**The Director,  
Bose Institute,  
P-1/12, CIT Scheme-VII/M,  
Kolkata – 700054 (W.B.) India**

Dear Sir: \_\_\_\_\_

I/We \_\_\_\_\_ who are established and reputable manufacturers of \_\_\_\_\_ having factories at -----  
----- (*address of factory*) do hereby authorize M/s. -----  
(*Name and address of Agent*) to submit a bid, negotiate and receive the order from you against your tender enquiry.

No company or firm or individual other than M/s. \_\_\_\_\_ is authorized to bid, and conclude the contract in regard to this business.

I/We hereby extend our full guarantee and warranty for the goods and services offered by the above firm.

Yours faithfully,

(Name)

(Name of manufacturers)

**Note:** This letter of authority should be on the **letterhead of the manufacturer** and should be signed by a person competent and having the power of attorney to bind the manufacturer.



**CHAPTER – IV: PERFORMANCE SECURITY FORM**

(To be executed by a scheduled Bank in India on non-judicial stamp paper)

**To  
The Director,  
Bose Institute,  
P-1/12, CIT Scheme-VII/M,  
Kolkata – 700054 (W.B.) India**

Dear Sir,

Sub: Your Contract No. -----dated -----for  
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1. You have entered into a contract with reference no as given above with \_\_\_\_\_ (herein after referred to as the contractor) for the supply, installation, and commissioning of \_\_\_\_\_ (herein after referred to as stores) for the price and on the terms and conditions contained in the said contract.
2. In accordance with the terms of said contract, the contractor has undertaken to produce a bank guarantee for Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_ only) being 10 % of the total value of the said stores supplied to you, for the due fulfilment of its obligations to you for due performance as per the contract during warranty period.
3. In consideration thereof, we hereby expressly, irrevocably and unconditionally undertake and guarantee as principal obligator on behalf of the contractor that in the event you submit a written demand to us that the contractor has not performed according to the contractual obligations included in the said contract, we will pay you on written demand, without demur and without reference to the contractor any sum up to a maximum amount of Rs \_\_\_\_\_ (Rupees \_\_\_\_\_ only). Your demand shall be conclusive evidence to us that such payment is due under the terms of the said contract. Payment by us to you will be made within thirty (30) days from receipt of your request making reference to this guarantee and on demand.
4. This guarantee shall not be revoked without your express consent and shall not be affected by your granting any indulgence to the contractor, which shall include but not be limited to postponement from time to time of the exercise of any powers vested in you or any right which you may have against the contractor and to exercise the same in any manner at any time and either to forbear or to enforce any covenant contained or implied in the said contract or any other course or remedy or security available to you, and our Bank shall not be released from its obligations under this guarantee by your exercising any of your rights with reference to matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on your part or any

other indulgence shown by you or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving our Bank from its obligation under this guarantee.

5. Notwithstanding anything herein contained, our liability under this guarantee is restricted to Rs \_\_\_\_\_(Rupees \_\_\_\_\_ only) and the guarantee shall remain in force up to and including the \_\_\_\_\_ day of being reported to us by you and returned to us duly discharged.
6. Unless a demand or claim under this guarantee is made on us in writing on or before the aforesaid expiry date as provided above or unless this guarantee is extended by us all your rights under this guarantee shall be proscribed and we shall be discharged from the liabilities hereunder.
7. This guarantee shall not be affected by any change in the constitution of our Bank or of the contractor or for any other reason whatsoever.

Date:

Signature.....

Place:

Seal of Bankers

(Complete Address/Contact Details with Tel./Fax/email etc)

Witness:

1. ....

2. ....

## **CHAPTER – V : DETAILED TECHNICAL SPECIFICATION**

Specification ::

### **Specifications for RFID Components**

#### **RFID TAGS:**

- Operating Frequency: 13.56MHz,
- Dimensions 81mm x 49mm (L x W),
- Memory 1204 bits, with self-adhesive backside.
- The RFID chip used in the tag should have three sections--- 1> Lockable Section, 2> Re-writable Section, 3> Security function (EAS) for item anti-theft
- Tags should be ISO standards ISO 1593/18000-3 compliance
- With Lifetime Warranty
- Tags should be sensed by scanner at a minimum distance of one(1) metre
- RFID tags have to be programmed as per international data base standard model.
- Proposed system should integrate with smart card system/barcode system as standalone interface.
- The RFID equipment should support both protocols like SIP2 and NCIP.

#### **Staff Station:**

- Should provide option of having reader with Table top or underneath table/desk
- Should provide option of shielded reader for restricted antenna fields
- Power consumption: Max 30w
- Communication port: IP and Ethernet for communication over web service
- Operation Temp: +10/+40°
- Frequency: 13.56MHz
- Antenna Power: Max 1 w
- Identification through ISO 15693/ISO 18000-3.1†
- EAS/AFI function: Using EAS bit (NXP-IC)/AFI
- Certificate: CE/EMC, third party testing certificate to be submitted.
- The staff station to be connected with existing PC and LMS without SIP2 or NCIP.†
- Middleware (if used) should be open source.
- Unauthorized users of LMS should not be permitted to change the reader's performance only trained professional should be able to change it on/off site.
- RFID system should compatible with ISO 28560, ISO 15693, etc standards.
- RFID System should be compatible and integrate with standard existing ILMS, Institute Management System, material management/delivery automated system and surveillance/security system using CCTV/Webcams to ensure possibility of expansion/modification in the operating environment in future.

- Staff Station should read and integrate with smart card system/barcode system as standalone interface.
- Overall system configuration shall be open in terms of Modularity, Expandability and Upgradeability for future expansion/requirements.
- Vendor / partner should have minimum 3 RFID installations in India at Govt. Academic Institutions
  - Preference will be given to vendor who has done integration with Koha, library management software used by client.
  - Live demo of the RFID with Koha is mandatory
- Third party certification for FCC/UL/CE. certificate. Self-certification will not be accepted
- Certificate to be submitted for RFID hardware for ISO Certification.
- Vendor should integrate advance RFID hardware (self-checkout Kiosk, smart trolley, etc) only via SIP2/NCIP protocol, no middle ware application to be used during the integration.
- All RFID hardware should come with their inbuilt software.
- RFID tag programming should be based data model like DM, NEDAP, French, NBD, etc. RFID tag programming should read on other branded RFID hardware. Any proprietary tag programming would not be accepted.
- Comprehensive on-site warranty for three (3) years should be provided.

**Project Implementation:**

Project implementation includes installation of staff stations, programming of tags (40,000 nos.), pasting of tags in books, bibliographical record preparation in available LMS and training in the implemented system (in two phase).

Quantity	:	<b>RFID TAGS – 40,000 nos.</b> <b>RFID Staff Station: 02 nos.</b>
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Warranty	:	<b>RFID TAGS – Life Time Warranty</b> <b>RFID Staff Station: Comprehensive on-site warranty for three (3) years.</b>
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Sd/-  
Sr. Prof. & Incharge, Registrar's Office