

**GOVERNMENT OF WEST BENGAL**  
**Government College of Engineering & Ceramic Technology**  
(An Autonomous Institute under M.A.K.A.U.T.)  
73, Abinash Chandra Banerjee Lane, Kolkata – 700 010  
Tel: (033) 2350-5235 | Website: www.gcect.ac.in

Ref. No. GCECT/140/1-P (4)/26-27

Date: 29th May 2026

**NOTICE INVITING QUOTATION**

**Annual Maintenance Contract (AMC) of RFID System**

Central Library, Government College of Engineering and Ceramic Technology, Kolkata

The Principal, Government College of Engineering and Ceramic Technology (GCECT), Kolkata, on behalf of the Government of West Bengal, invites sealed quotations from reputed, experienced, and financially sound Companies / Firms / Agencies for the Annual Maintenance Contract (AMC) of the RFID System installed at the Central Library of this College.

The contract shall be for a period commencing from 1st July 2026 and ending on 31st March 2027 (09 months), extendable further based on satisfactory performance and mutual agreement.

Eligible bidders are requested to submit their sealed quotations in the prescribed format to the Tender Drop Box placed at the Office of the Principal, GCECT, within the stipulated date and time as mentioned below.

**Important Dates at a Glance**

Particulars	Details
Last Date of Submission of Quotation	2nd June 2026 (up to 2:00 PM)
Mode of Submission	Sealed Envelope in Tender Drop Box at Principal's Office
Date of Opening of Quotation	5th June 2026 at 2:00 PM
Contract Period	01st July 2026 to 31st March 2027 (09 Months)
Validity of Quotation	90 Days from the date of submission

**1. Scope of Work**

The AMC shall cover the maintenance of the following RFID components installed at the Central Library of GCECT:

Sl. No.	Name of Component	Specification Reference	Qty.
01	UHF Staff Station Reader	Annexure – A, Sl. 01	01
02	Self-Issue / Return Kiosk	Annexure – A, Sl. 02	01
03	RFID Gate Antenna	Annexure – A, Sl. 03	01
04	Middleware Software and RFID System	Annexure – A, Sl. 04	01 Set

**ANNEXURE – A: Technical Specifications of RFID Components**

Bidders must comply with all the technical specifications mentioned below. The Compliance column must be filled in (Yes / No) and submitted along with the quotation.

Sl.	Technical Specifications	Compliance (Yes / No)
01	<p><b>UHF Staff Station Reader</b></p> <ul style="list-style-type: none"> <li>• UHF mid-range integrated reader</li> <li>• Frequency: 860 MHz – 868 MHz (CE)</li> <li>• Protocol: ISO 18000-6B, EPC G2</li> <li>• Reading Range: 5 – 8 metres</li> <li>• Power Supply: DC +9V / +12V</li> <li>• Biometric scanner for easy circulation management</li> </ul>	
02	<p><b>Self-Issue / Return Kiosk</b></p> <ul style="list-style-type: none"> <li>• Self-Check-in / Check-out kiosk with touch screen interface</li> <li>• Integrated UHF RFID reader and thermal printer</li> <li>• 22" LCD screen, 32-bit true colour display</li> <li>• Processor: Intel Dual-core, 1.6 GHz or higher</li> <li>• RAM: 4 GB   Storage: 320 GB SSD</li> <li>• Interfaces: RS-232, USB, Video Card, Ethernet</li> </ul>	
03	<p><b>RFID Gate Antenna</b></p> <ul style="list-style-type: none"> <li>• Frequency: 860 MHz – 868 MHz (CE)</li> <li>• Protocol: ISO 18000-6B, EPC G2</li> <li>• Reading Range: 3 metres</li> <li>• Power Supply: DC +9V / +12V</li> <li>• Interface: TCP/IP</li> <li>• Sound alarm and LED indicator for theft detection</li> <li>• Powered by Impinj Speedway reader</li> <li>• Gate must be compatible with both RFID Software and ILMS via SIP protocol</li> <li>• Generates log report (date, time, barcode) for improperly issued books</li> <li>• No embedded database credentials in software</li> <li>• Software must remain functional after future ILMS upgrades</li> <li>• Tag authentication via ILMS through API only</li> <li>• Book circulation through RFID software using SIP only</li> <li>• Patron fine payment supported via SIP</li> <li>• At the time of circulation, patron fine and image displayed via API</li> <li>• Books with pending fines highlighted in red colour at check-in</li> <li>• Compatible with and without Library Card</li> <li>• Patron profile to display image, fine status, and circulation history via API</li> <li>• Circulation history accessible from both RFID and ILMS software</li> </ul>	
04	<p><b>Middleware Software and RFID System</b></p> <p>The middleware software shall be purely web-centric and hybrid in architecture, designed to seamlessly communicate between the Koha Library Management System (ILMS) and the RFID hardware components. All RFID transactions shall be pushed to Koha's database in real time. The software shall fully comply with all circulation rules configured within Koha ILMS.</p>	

## **2. Eligibility and Qualification Criteria**

The following are the mandatory eligibility conditions. Bidders who do not fulfil all criteria shall be summarily disqualified.

1. The bidder must be a registered Firm / Company / Establishment under applicable laws.
2. The bidder must submit valid Income Tax Return Certificate / PAN Card, GST Certificate, and other statutory tax clearance documents as applicable.
3. The bidder must have a minimum of three (03) years of proven experience in providing similar AMC services to Government Institutions or Educational Institutes.
4. Documentary proof of past performance in the form of Purchase Orders / Work Orders / Completion Certificates must be submitted.
5. The bidder must have adequate and qualified technical manpower and post-installation service support infrastructure.
6. The bidder must maintain a functional office in the Eastern Region of India for prompt support.
7. The bidder shall be the sole supplier and service provider of all components (both hardware and software). No third-party, joint venture, or subsidiary arrangements shall be entertained.
8. The bidder must have a minimum annual turnover of Rs. 80 Lakhs (Rupees Eighty Lakhs) for each of the last three (03) consecutive financial years. Relevant audited financial documents must be submitted.
9. The bidder must have successfully implemented and automated at least 50 (fifty) libraries of Higher Education Institutes using Koha ILMS across India, of which a minimum of 05 (five) must be Government Universities. Valid Purchase Orders or Completion Certificates must be attached. No third-party credentials will be accepted.
10. The bidder must have successfully implemented UHF RFID systems in at least 25 (twenty-five) libraries (Institutes / Colleges / Universities) across India.
11. The bidder must furnish contact details of existing clients for verification and feedback purposes.

## **3. Documents Required to be Submitted**

All the following documents must be self-attested by the authorised signatory and submitted along with the sealed quotation:

12. Copy of Establishment Registration Certificate / Valid Trade Licence in the relevant field.
13. Copy of PAN Card.
14. Copy of Income Tax Return (ITR) for the last three financial years.
15. Copy of GST Registration Certificate.
16. Audited Balance Sheet / Turnover Certificate for the last three financial years (to establish minimum turnover of Rs. 80 Lakhs per annum).
17. Purchase Orders / Completion Certificates proving implementation of at least 50 Koha libraries (including 5 Govt. Universities) and 25 UHF RFID libraries.
18. List of existing clients with their names, institution addresses, and contact numbers for feedback.
19. Detailed office address of the agency along with telephone number, fax number, mobile number, and name of the authorised contact person.
20. All pages of the bid document duly signed and stamped by the authorised signatory.

#### **4. Terms and Conditions of the Contract**

##### **(a) Contract Period**

The AMC shall be effective from 01st July 2026 and shall remain in force until 31st March 2027 (09 months). The contract may be extended further on the basis of satisfactory performance and mutual consent, subject to approval by the competent authority.

##### **(b) Service Obligations**

The selected service provider shall be available on-call round-the-clock (24x7) throughout the contract period. All complaints and service requests must be attended to within 24 hours, or earlier in the case of emergencies. Failure to respond within the stipulated timeframe may result in penalty as deemed fit by the college authority.

##### **(c) Payment Terms**

Payment shall be made on a quarterly or half-yearly basis, subject to a satisfactory service certification issued by the designated authority of the college. All statutory deductions shall be made as per applicable Government rules.

##### **(d) Responsibility for Damages**

Any damage caused to the equipment or the college property during the course of maintenance or servicing shall be rectified or replaced by the agency entirely at their own cost. The College shall not be responsible for any loss, damage, theft, or pilferage of goods or materials brought to the site by the agency.

##### **(e) Evaluation and Award**

Quotations shall be evaluated on the basis of technical compliance and the quoted price. The contract shall be awarded to the bidder whose quotation is found technically compliant, properly signed, and offers the lowest evaluated price. No preference of any kind will be given to any bidder or class of bidder.

##### **(f) Validity of Quotation**

The quotation submitted shall remain valid for a minimum period of 90 (ninety) days from the last date of submission of bids.

##### **(g) Right to Accept or Reject**

The Principal, GCECT, reserves the right to accept or reject any or all quotations at any stage of the process, without assigning any reason thereof. The decision of the purchaser in this regard shall be final and binding.

##### **(h) Postponement / Cancellation**

The college reserves the right to postpone or cancel the tender process at any time before award of contract. Bidders shall have no claim whatsoever on account of such postponement or cancellation.

##### **(i) Submission Format**

Quotations may be submitted on the printed letterhead of the bidder in the prescribed format appended to this notice. The sealed envelope must be clearly marked with the reference number and date of the tender.

## 5. How to Submit the Quotation

Interested bidders are requested to submit their sealed quotations in a properly sealed and labelled envelope, addressed to:-

To

**The Principal**

Government College of Engineering and Ceramic Technology  
73, Abinash Chandra Banerjee Lane, Kolkata – 700 010

The envelope must be labelled:

"Quotation for AMC of RFID System – Central Library | Ref. No. GCECT/140/1-P(4)/26-27 dated 29.05.2026 "

The sealed envelope should be dropped in the Tender Drop Box placed at the Office of the Principal, GCECT, on or before 2nd June 2026 (up to 2:00 PM). Quotations received after the stipulated deadline shall not be entertained under any circumstances.

Bidders or their authorised representatives who wish to be present at the time of opening of tenders may do so on 5th June 2026 at 2:00 PM in the Principal's Office.

The bid document may also be downloaded from the College website: <https://gcect.ac.in/>

### **CHECKLIST FOR BIDDERS**

Bidders must ensure that all documents submitted are duly authenticated by the authorised signatory under their signature with office seal (wherever applicable). Please verify the following before submission:

Sl. No.	Document / Requirement	Submitted (Y / N)
01	All pages of bid document signed & sealed by authorised signatory	
02	Self-attested copy of GST Registration Certificate (GSTN)	
03	Self-attested copy of PAN Card	
04	Self-attested copy of latest ITR / Income Tax Clearance	
05	Audited Turnover / Balance Sheet for last 3 financial years	
06	Establishment Registration Certificate / Valid Trade Licence	
07	Purchase Orders / Completion Certificates for 50 Koha libraries (incl. 5 Govt. Univ.)	
08	Purchase Orders / Completion Certificates for 25 UHF RFID library implementations	
09	Client list with contact details for feedback	
10	Quotation on agency's letterhead in prescribed format with office seal	

K. Chakrabarti  
29-05-26  
Principal

### **Copy forwarded to:**

1. The Registrar, GCECT, Kolkata
2. The Accounts Officer, GCECT, Kolkata
3. The Pay and Accounts Office – I (PAO-I), Kolkata
4. Notice Board, GCECT
5. College Website: <https://gcect.ac.in/>
6. Office Copy