



वस्त्र मंत्रालय
MINISTRY OF
TEXTILES



रेशमकीट अंडा परिरक्षण केंद्र SILKWORM EGG PRESERVATION CENTRE

राष्ट्रीय रेशमकीट बीज संगठन, केंद्रीय रेशम बोर्ड

National Silkworm Seed Organization, Central Silk Board

वस्त्र मंत्रालय, भारत सरकार Ministry of Textiles Govt. of India

मैसूर-MYSURU-570008

**Tender document for the procurement of IoT Monitoring Device for
Temperature and Humidity for Cold Rooms at SEPC, Mysore**

Sirs,

Sub: Inviting tender for the Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC, Mysore in **TWO BID SYSTEM**–reg

1. INVITATION FOR TENDER OFFERS

The Silkworm Egg Preservation Centre, Mysore hereinafter referred to as SEPC, invites bid/tender offers (Technical Bid and Financial bid) for the Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC, Mysore from eligible reputed firms for the in TWO BID SYSTEM at SEPC, Mysore-570008. The details of tender process is below. All documents should be submitted by post/courier or by hand to the Silkworm Egg Preservation Centre, JLB Road Vidyaranyapuram Mysore 570008 or send an email to cspmysore@gmail.com.

Bid Collection and Submission Details	
Tender Reference Number	No.CSB/NSSO/SSPC/SEPC/Purchases/2025-26 Date 02.01.2026
Date of Publishing on CSB portal	02.01.2026
Seek Clarification Start Date	02.01.2026
Seek Clarification End Date	14.01.2026
Bid Submission Start Date	02.01.2026
Last Date for sending the tender	15.01.2026
Date of opening of Technical bids	16.01.2026
Earnest Money Deposit	-Nil-
Address for Communication	Silkworm Egg Preservation Centre, JLB Road, Vidyaranyapuram, Mysore 570008
E-mail	cspmysore@gmail.com
Telephone	0821-2486690

2. PROJECT SCOPE

Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC, Mysore

The bidder must provide all the necessary support in the Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC, Mysore. The firm should be technically sound to carry out the said work.

Name of the work	Quantity	Destination	EMD
Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC, Mysore (The required specification is indicated in the Annexure – I)	15 cold rooms	SEPC, Mysore	Nil

Time lines & Duration/Milestones

The firm has to clearly mention the time lines for the work to be carried out starting installation to demonstration of the work. The time lines should not exceed beyond 15days from the date of acceptance of work order at SEPC Mysore. Changes in duration if any, may be indicated.

3. MAINTENANCE AND SUPPORT

- SEPC shall not be responsible for any damage to the sensors or items due to shipping or external circumstances.
- The firms support strategy should have a 24X7 support. Support from vendor should be onsite whenever required till the completion of the work.

4. SPECIFICATIONS

The technical specifications are the minimum requirements of the purchaser is mentioned in **Annexure - I**. The Tenderer is at liberty to indicate higher specifications than the minimum level. The purchaser reserves the right to place order at the higher specifications offered by the Tenderer.

5. COST OF TENDER DOCUMENT

Tender document may be downloaded from the website at free of cost.

6. NON TRANSFERABLE TENDER

Neither the contract nor any rights granted under the contract may be sold, leased/sublet, assigned, or otherwise transferred, in3whole or in part, by the vendor, and any such

attempted sale, lease, assignment or other wise transfer shall be void and of no effect without the advance written consent of the SEPC Mysore

9. OFFER VALIDITY PERIOD

Tender should remain valid for 180 days

10. COMPLETENESS OF TENDER OFFER

The Tenderer is expected to examine all instructions, forms, terms, conditions and specifications in the Tender document. Failure to furnish all information required by the Tender document or submission of a tender offer not substantially responsive in every respect to the tender documents will be at the Tenderer's risk and may result in rejection of its tender offer. The tender offer is liable to be rejected out right without any intimation to the Tenderer if complete information as called for in the tender document is not given therein, or if particulars asked for in the Forms/Performa in the tender are not fully furnished.

11. TWO BID SYSTEMS TENDER

1. The Technical as well as the financial offer should be submitted as two separate parts through post/courier or by hand.
2. All pages in technical and commercial/Financial bid shall be numbered, stamped with the official company seal and duly signed by the authorized signatory.
3. The bidders should use the formats prescribed by the SEPC for submitting both technical and commercial/financial bids.
4. All the attachments should be in a sequence specified in the checklist form (Annexure-D) and flagged.

12. TECHNICAL OFFER

1. The technical bid should not contain any price information.
2. The Technical offer should include all items asked for in **Annexure-I**.
3. The Technical bids should be complete in all respects with all the columns filled in including "Accepted /Deviations".

4. The Technical offers should be complete to indicate that all services asked for are quoted and should give all required information including technical brochure, manuals if any, technical specifications, timelines/milestones in an organized and neat manner. No documents, brochures, leaflets, etc. should be submitted in loose form.
6. Filling up of the Technical Detail Form using terms such as ok, acceptable, noted, as given in brochure/manual is not acceptable. The Purchaser may treat offers not adhering to these guidelines as unacceptable.
7. Any additional accessories, services for Hardware and Software which can be supplied should be included separately indicating their need/use. Those additional accessories, services which are essential for basic functional use of the equipment in the overall system should be marked as essential and others as optional.

13. COMMERCIAL/FINANCIAL OFFER

Commercial/Financial Offer as per **Annexure II (BOQ.xls)** shall be submitted

1. It should give all relevant price information and should not contradict the Technical Offer in any manner.
2. The price mentioned in the financial bid must be inclusive of the applicable taxes & transportation etc. No extra charges will be borne by the institute after bid is awarded.
3. The prices quoted in the commercial/Financial bid should be without any conditions.
4. The price schedule must be filled in completely, without any error, erasures or alterations.
5. The commercial/Financial offer shall be on a fixed price basis, inclusive of all taxes, no price variation should be asked for relating to any variations.
6. Tenderer should indicate separately the cost of additional accessories, services of essential and optional nature.

14. EVALUATION PROCESS

The Tender Evaluation Committee (TEC) will evaluate and compare the bids determined to be substantially responsive. A substantially responsive bid is one which conforms to all the requirements, terms, conditions and specifications of the tender without any

material deviations. Deviations from or objections or reservations to critical provisions such as EMD will be rejected.

15. BASIS OF SELECTION

Scrutiny of the technical bids will be based on the performance and experience as above and list of recent major clients for whom similar works have been executed. Financial Bids of only those bidders will be opened whose Technical Bids are accepted. Final selection will be based on the lowest rates quoted (Grand Total) in the Financial Bid and not on the split charges.

16. AWARD CRITERIA

Contract will be awarded to the Tenderer whose commercial/Financial offer has been determined to be lowest evaluated offer with the right of SEPC to negotiate still for a better price. If sufficient number of bids are not obtained from the parties, A single tender fulfilling the required technical specifications and administrative conditions mentioned in the tender document will be considered for giving the final work order. However, SEPC reserves the right to take appropriate decisions in such case and shall not be binding on the SEPC to award the contract.

17. COMPLETION OF COMPLIANCE OF TENDER CONDITIONS AND STIPULATIONS AND PRICE COMPARISON

1. The Purchaser will evaluate the commercial/Financial offers of Tenderers previously short-listed and determined to be substantially responsive.
2. After opening of the commercial/Financial offers of the short-listed Tenderers, if there is a discrepancy between words and figures, the amount indicated in words will prevail.

18. NO COMMITMENT TO ACCEPT LOWEST OR ANY TENDER

1. SEPC shall be under no obligation to accept the lowest or any other offer, including those received late or incomplete offers, without assigning any reason whatsoever.
2. SEPC reserves the right to make any changes in the terms and conditions of the tender.

19. CORRUPT AND FRAUDENT PRACTICES

The Buyer will reject a proposal for award if it determines that Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

20. TERMS AND CONDITIONS OF CONTRACT

A. PAYMENT TERMS

- I. The Following documents are to be furnished by the contractor along with the technical bids as per the tender documents
- II. Signed and scanned copy of valid registration certificate (TIN/VAT/CST/GST).
- III. Scanned copy of PAN, Copy of Income tax Return (Last year) and annual turnover of the firm.
- IV. Declaration that the firm /tender is not blacklisted by any department of central/State government/PSUs or any public institution owned by Central Govt.
- V. Signed and sealed tender document (All Pages)
- VI. If GST exemption is claimed, certificate in this regard should have to be furnished.
- VII. Bidders shall submit a copy of the tender document and addenda thereto, if any, with each page of this document should be signed and stamped to confirm the acceptance of the entire terms and conditions as mentioned in the tender enquiry document.
- VIII. Quotation should be valid for at least 180 days from the date of its opening.
- IX. Full specifications of the article quoted for shall be given in the quotation along with literature/pamphlet/drawing etc. User list of the quoted document may also be additionally provided for reference.
- X. If taxes, duties or any other charges, over and above the rates quoted leviable, actual percentage of such taxes/duties/other charges should be clearly indicated.
- XI. If the bid submitted by the authorized dealer on behalf of the manufacturer/OEM, valid authorization certificate must be attached with the bid.(applicable only for equipment/instruments/machineries)
- XII. Post analysis support as indicated in the Annexure I is mandatory and should also be indicated.
- XIII. **TIN/PAN/C.S.T/G.S.T. Nos. May be given on the quotation.**
- XIV. Pertaining to the final payment, the payment of **total cost will be made** after successful & satisfactory completion of the work as per specifications & as per terms and conditions.

- XV. The vendor should give the valid bank account number, branch and, IFSC code to enable online money transfers through PFMS.

25. APPLICABLE LAW AND JURISDICTION OF COURT

The Contract with the selected bidders shall be governed in accordance with the Laws of India and will be subject to the exclusive jurisdiction of Courts at Bangalore (with the exclusion of all other Courts).

26. ANNEXURES TO THE TENDERS:

The tender comprises of following schedules /Annexure:

Annexure-I	Specifications For Technical Offer
Annexure-II	Financial Bid
Annexure-III	Self-Declaration
Annexure-IV	Enclosures
Annexure-V	Checklist

Sd/-
Dr.Chandrashekharaiiah
Scientist-D

Note : Any clarifications further regarding the tender process please contact the office landline during office hours 9.00AM-5.00 PM

Technical Specifications for the Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms

HARDWARE SPECIFICATIONS

Component	Specification
Processor	32-bit ARM IoT Microcontroller
Connectivity	Wi-Fi + GSM (optional), MQTT-based secure communication
Display	2.4" TFT digital screen with live T/H reading & connectivity indicators
Power Supply	230V AC input with inbuilt surge protection
Sensor Type	Industrial-grade Digital Temp & RH Sensor. The sensors must be calibrated preferably from NABL accredited laboratories and should be IP67 or above
Temperature Range	0°C to 60°C
Temperature Accuracy	±0.2°C
Humidity Range	0% to 100% RH
Humidity Accuracy	±1.5% RH
Casing	ABS Industrial Enclosure (IP54 rating optional)
Data Logging	Every 30 sec / 1 min customizable
Memory	Local caching up to 10,000 records in case of internet loss
Mounting	Wall-mount brackets included

SOFTWARE SPECIFICATIONS

Feature	Description
Mobile Application	Android + iOS dashboard
Web Dashboard	Cloud-based analytics platform
Live Monitoring	Real-time Temperature & RH graph
Data Retention	Lifetime cloud storage
Alerts	SMS + App Push + Email (optional)
User Accounts	Multi-user / multi-location support
API Support	REST API for ERP/CRM integration
Data Backup	Automated hourly cloud backup 24*7

Core Features of the customized IoT sensors Monitoring Device should have the following features which is essential but not exhaustive.

The customization should cater to the **needs of the sericulture industry** accordingly the vendors may discuss the work before sending the tender.

IoT & Network Security	Firm has to mention the detailed network security server information.
Real-Time Temperature & Humidity Monitoring	Live environmental reading every second, displayed on device + app.
Mobile-Controlled Dashboard	Check all cold rooms temperature and humidity from anywhere round the clock.
Intelligent Alerts	Alerts when environment crosses threshold (Min/Max set by SEPC). Sensor fault detection alert etc
Multi-Room / Multi-Device Support	All sensor data visible under one login.
Power Cut & Internet Disconnection Alerts	Instant notification when the device goes offline.

	Device Tamper Detection	Device cover is opened or Device is unplugged
	Graphs, History, Data logger system	Hourly, daily, weekly, and seasonal analytics.
	QR-Based Device Linking	Fast installation
	Maintenance	The firm is responsible for maintenance of the sensors for a minimum period of 5 years including cloud services



(ON LETTER HEAD)

Financial bid document for the Customization of IoT Temperature and Humidity Monitoring Device for Cold Rooms at SEPC Mysore 570008

FINANCIAL BID

Note: Please submit the Financial Bid separately . **DO NOT** include the Financial Bid with Technical Bid.

Name and Address of the firm		
Contact person		
Contact Details		
Description		Rate
Quantity		
	Transportation, Insurance and Other Local cost incidental to delivery	
	*Total Price as per schedule for delivery at final destination(SEPC)including applicable GST	
	GRAND TOTAL	

Note: *The financial bid will be evaluated based on the final total cost including GST

(ON LETTER HEAD)

SELF-DECLARATION

I/we do hereby declare that I/we have read and understood the terms and conditions entailed in the tender notification, tender document, and agree to abide by them. I/we also declare that the rates quoted by me/us are inclusive of all costs, and are in accordance with the specifications, detailed in the document.

Place:

Date:



(Authorized Signatory)
Name and Address of the Firm/Bidder

(ON LETTER HEAD)

SELF-DECLARATION	
Ref.....	Date: -
To,	
The Scientist-D,	
Silkworm Egg preservation Centre	
JLB Road, Vidyaranyapuram	
Mysore-570005	
In response to the tender No.CSB/NSSO/SSPC/SEPC/Purchases/2025-26 Date 02.01.2026 as a owner/partner/Director of I/We hereby declare that our Firm is having unblemished past record and was not declared ineligible for corrupt and fraudulent practices either in definitely or for a particular period of time.	
I/ We M/s (Name of the Company) are not blacklisted in any Department of Government of India or any State Government.	
I/We further undertake that our partner M/s (Name of Vendor) having office area l so not blacklisted in any Department of Government of India or any State Government.	
I/We hereby declare that there are no pending cases against M/s (Name & Address of Bidder) with Department of Government of India or any State Government or any court of law	
I/We hereby declare that Bidders company or Director/Owner of the company have not been declared by any Court or Competent Authorities in solvent or involved in any fraudulent mean (Economical &Criminal) as on the date of Notification of Tender.	
Name of the Bidder: -	
Signature: -	
Seal of the Organization:-	

Annexure-IV Checklist

SrNo		Description	Yes/No/NA	Page Number
1.	Annexure-I	Specifications For Technical Offer		
2.	Annexure-II	Financial Bid		
3.	Annexure-III	Self-Declaration		
4	Annexure-IV	Enclosures: Company registration Certificate, GST, PAN, Company Profile, Past Experience of same work carried out preferably in govt sector/R&D/Universities etc.		
5.	Annexure-V	Checklist		

Vendors are request to arrange support documents as per checklist.

Place:

Date:

(Authorized Signatory)

Name and Address of the Firm/Bidder