CENTRE FOR DEVELOPMENT OF IMAGING TECHNOLOGY (C-DIT)

Chitranjali Hills, Thiruvallam, Thiruvananthapuram-27
Phone: 0471-2380910, 912

No. C-DIT/11/GEN-BioFRS/2026-27/T895 Date: 03.11.2026

TENDER NOTICE

TENDER FOR THE SUPPLY AND INSTALLATION OF BIOMETRIC FACE RECOGINTION SYSTEM

Sealed tenders are invited for the **Supply and installation of Biometric Face Recognition System with inbuilt software at three different Offices of C-DIT, in Thiruvananthapuram**. The envelopes containing the tender should bear the superscription **"Supply and installation of Biometric Face Recognition System"** and should be addressed to The Registrar, Centre for Development of Imaging Technology (C-DIT), Chithranjali Hills, Thiruvallam, Thiruvanathapuram 695027. Intending tenderers may submit the tenders on their own papers by post/hand along with a duly signed copy of this tender notification or confirmation of the terms and conditions. Last date for receipt of tenders is **13.11.2026, 3.00 PM**. The tenders will be opened at **3.10 PM on the same day** in C-DIT office in the presence of the tenderers or their authorized representatives who may be present at that time.

Thiruvananthapuram
03.11.2026

Sd/
REGISTRAR

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TENDER TERMS

I) GENERAL TERMS AND CONDITIONS

1. This Tender is invited for the Supply and installation of **4 Nos of Biometric Face Recognition System with inbuilt software at three Office in C- DIT, Thiruvananthapuram.**
2. C-DIT reserves the right to cancel any or all tenders at any time if so required, without assigning any reason whatsoever

II) ELIGIBILITY CRITERIA OF BIDDER

1. Bidder should be a registered company or registered business firm as per Indian Law, doing similar business (**Documentary evidence shall be attached)**.

2. Bidder must have a currently valid PAN and GST registration (**Copy of the documents shall be attached)**.

3. An undertaking to the effect that the bidder has not been blacklisted by any of the department/organizations/PSUs/institutions of the Govt. of India/State Govt

III) SPECIFICATIONS

QUANTITY - 4 NOs

Sl No.	Particulars	Specification
1	**Authentication Methods**	
	Face Recognition	Mandatory
	Fingerprint Authentication	Mandatory
	RFID / Smart Card	Optional
	Password / PIN Authentication	Optional
2	**Face Recognition Specifications**	
	Face Template Capacity	Minimum 10,000 users

	Recognition Distance	0.3 m to 2 m
	Recognition Speed	Less than 1 second
	Recognition Accuracy	≥ 99%
	Mask Detection	Supported
	Glasses Detection	Supported
	Anti-Spoofing	Mandatory (Protection against photo/video replay attacks)
3	**Fingerprint Specifications**	
	Fingerprint Capacity	Minimum 10,000 fingerprints
	Sensor Technology	Optical / Capacitive
	Fingerprint Matching Speed	Less than 1 second
	False Acceptance Rate (FAR)	≤ 0.0001%
	False Rejection Rate (FRR)	≤ 0.01%
4	**Attendance Data Storage**	
	Attendance Transaction Storage	Minimum 500,000 logs
	Offline Attendance Storage	Mandatory
	Network Failure Handling	Automatic local storage during network failure
	Data Synchronization	Automatic synchronization after network restoration
5	**Display and User Interface**	
	Display Type	Color Touch Screen
	Display Size	Minimum 5 inches
	User Interface	Graphical User Interface (GUI)
	Language Support	Multi-language support including English
6	**Communication Interfaces**	
	Ethernet	TCP/IP through RJ45 port (Mandatory)
	Wi-Fi	Optional
	USB Port	USB Host support for data backup/export
7	**Network and Security Requirements**	
	Secure Communication	HTTPS support
	Encryption	SSL/TLS encrypted communication
	Device Authentication	Supported
	Access Control	Supported
	User Management	Role-based access control (Admin/User)

8	**API Integration Requirements**	
	The biometric attendance system shall provide open API access for integration with external applications such as:	HRMS systems
		ERP systems
		Payroll systems
		Custom enterprise applications
8.1	**Supported API Standards**	
	REST API	Mandatory
	Data Format	json format
	Webhook / Push API	Preferred
	API Authentication	API Key / Token Based Authentication
	OAuth2 Support	Preferred
9	**Mandatory API Endpoints**	
	User List Retrieval	Mandatory
	Attendance Log Retrieval	Mandatory
	Device Status Monitoring	Mandatory
	Real-time Attendance Events	Mandatory
	Employee Registration	Mandatory
	Employee Update	Mandatory
10	**Application Integration Compatibility**	
	The proposed solution shall support integration with applications developed using:	Linux-based servers
		Windows-based servers
		Laravel / PHP applications
		Node.js applications
		Python applications
		Java applications
		.NET applications
11	**The vendor shall provide:**	**API documentation**
		SDK documentation
		Sample integration code/examples
		Technical assistance during integration
12	**Power Requirements**	
	Input Voltage	100-240V AC
	Protection	Surge protection and power fluctuation protection

13	**Environmental Specifications**	
	Operating Temperature	0°C to 45°C
	Relative Humidity	20% to 80% (Non-condensing)
14	**Warranty and Support Requirements**	
	Warranty	Minimum 3 years onsite warranty
	Firmware Updates	Included during warranty period
	Technical Support	Required
	API Integration Support	Required
	Defect Resolution	Onsite support
15	**Sample API Requirements**	
	Get Attendance Logs	GET/api/v1/attendance?from=2026-07-01&to=2026-07-31

	Response	{
		"employee_id": "EMP001",
		"name": "John Doe",
		"device_id": "BIO-TRV-01",
		"timestamp": "2026-07-23T09:12:45+05:30", "mode": "FACE",
		"status": "IN"
		}

IV) OTHER TERMS AND CONDITIONS

1. The bidders will be responsible for effecting supply to the entire satisfaction of the undersigned or his authorized representatives.
2. The undersigned does not bind himself to accept the lowest tender and reserve himself the rights of accepting the whole or a part of the tender and the bidder shall be bound to supply the accepted item at the rates quoted.
3. No advance payment will be made against supplies.
4. **The rate quoted by the bidder shall be inclusive of all charges.** Rates quoted by the bidder shall be valid for a period of three months from the date of opening of the tender.
5. The Bidder with GST registration should quote rate for the unit shown in the list including GST and tenders which do not indicate this essential information will not be considered.

6. The bidder shall quote the rates for the supply and installation of **Biometric Face Recognition System in** "FORM A". The tenders which do not indicate price information for all the listed items in the tender will not be considered.

7. The bidders shall submit the rate in "FORM A" in a sealed envelope.

8. Supply and installation period shall be specifically indicated in the work order and shall be strictly adhered to. In general, the supply and installation shall be arranged within **7 days** on receipt of the confirmed work order. Any delay in the delivery after placing the supply order may result in cancellation of the supply order or payment of liquidated damages @ ½% per day of the value of the supply order subject to a maximum of 10% of the price of the supply order.

9. The bidder shall invariably be accompanied by manufacturer's catalogues and leaflets giving full specifications. Technical particulars and other details of the items offered, 'brand make' and complete specification should be mentioned in the tender. In the absence of full details and technical specification the tenders for the items will be rejected

10. **The quoted rate shall be inclusive of all accessories, transportation, installation, and commissioning charges. No additional payment shall be made separately for any item required for completing the work.**

11. The rate quoted for the items/Services shall be firm and no enhancement will be allowed under any circumstances.

12. C-DIT reserves the right to cancel any or all tenders without assigning any reasons whatsoever.

13. **Agreement:** The successful bidder has to enter an agreement with C-DIT in Rs. 200 worth non judicial stamp paper immediately on getting confirmed work order to ensure warranty and quality of the product installed.

14. The successful bidder shall furnish a **Performance Bank Guarantee (PBG)** equivalent to **5% of the contract value** within **7 days** from the date of issue of the Work Order. **The PBG shall be valid for period of 12 months from the date of commissioning of the work at C-DIT.**

15. **Warranty: The bidder should provide One year OEM warranty for the product offered.**

16. **The bidder shall also provide three years after sale support service for the product installed**.

17. **Authority:** The authority for the acceptance of the tender rests exclusively with the C- DIT. The C-DIT does not undertake to accept the lowest or a particular tender or to assign any reason whatsoever for the rejection of any tender.

18. The undersigned does not bind himself to accept the lowest tender and reserve the rights of accepting the whole or any part of the tender and the tenderer shall be bound to supply the items/materials at the rates quoted. C-DIT reserves the right to split the orders among one or more bidders, at the sole discretion.

19. If at any stage it is found that there is some discrepancy in the tender offer or the bidder has furnished wrong and/or misleading information/ statement(s), their tender offer will be liable to be ignored or rejected.

20. Any dispute / differences between the parties arising out of and in connection with the contract shall be settled amicably by mutual negotiations. Unresolved disputes/ differences, if any, shall be settled by Arbitration and the arbitration proceedings shall be conducted at Thiruvananthapuram (India) in English language, under the relevant Act and Rules. Unsettled disputes will be referred to courts and the courts in Thiruvananthapuram will have exclusive first jurisdiction over the subject matter.

21. Payment terms: 100% Payment against the satisfactory supply and installation of the Equipment and submission of actual invoice.

22. At any time prior to the deadline for submission of tenders, the C-DIT may, for any reason deemed fit by it, modify/amend the tender documents by issuing suitable amendment(s)/ corrigendum's to it. Corrigendum to this tender shall be published in the site www.cdit.org. Prospective bidders are advised to regularly visit the website: www.cdit.org to keep track of corrigendum, if any.

23. In Case of doubt:

If the bidder has a doubt on technical specifications stipulated above, please contact **Sri Afsal Rahman, TL (Cloud service) Mob:.8891960354.**

24. The last date for submission of tender 13.11.2026, 03.00 PM. The tender will be opened the same date at 03.10 PM

Sd/
REGISTRAR, C-DIT
Dated 03.11.2026

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No. C-DIT/11/GEN-BioFRS/2026-27/T895 Date 03.11.2026

Quote No:

FORM – A

(COMMERCIAL BID)

THE SUPPLY AND INSTALLATION OF BIOMETRIC FACE RECOGNITION SYSTEM

Sl.No	Item with description	Quantity	Unit Rate	TOTAL
1	Supply, installation and commissioning of Biometric Face Recognition System	**4 Nos**		
	Sub Total			
	GST at applicable rate			
	Grand Total			

DECLARATION

I /We have gone through the tender notification and the terms and conditions are acceptable to me /us. I also understand that if any discrepancy/wrong word or misleading information is found at any stage, the tender offer will be ignored/rejected.

Name of the Bidder/Firm/Agency:

Address:

Phone No:

e-mail id: **Signature**

Date:

Office Seal