



# The Bhabha Atomic Research Centre Employee's Co-op. Credit Society Ltd., Mumbai

(Registration No. 29770)

Ref. No. : BARC / CS / 4181

Date: 15/12/2025

To,

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.....

**Subject:** Invitation to submit your quotation

Dear Sir,

You are requested to submit your quotation, in sealed envelope for supply, installation and configuration of Optical Fingerprint Scanner for authentication process for the BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai. The complete quotation shall reach to the undersigned by Speed Post/Registered post/Normal post/hand delivery on or before 26/12/2025

Sr. no.	Description of work	Work completion period
1	Supply, installation and configuration of Optical Fingerprint Scanner for authentication process	15 days

**The terms and conditions are given below:**

1. The quotation envelope shall be superscripted with **Description of the work and the Tender Ref. No.**, mentioned above.
2. The complete quotation shall reach the following address on or before **26/12/2025 up to 14.00 hrs.** by **Registered Post/ Speed post/Normal Post/ Hand delivery**

Chairman  
The BARC Employees Co Op Credit Society Ltd.  
Old R-5 Shed, BARC, Trombay, Mumbai-400085

3. **Offer of Firm:** Offer of those firms, who do not submit their quotation as per the details given in the technical specification and incomplete quotations in any respect shall not be considered.
4. **The BARC Employees Co Op Credit Society Ltd.** reserves right to extend the date of opening the quotations.
5. **Payment Terms:** The BARC Employees Co Op Credit Society Ltd. shall make full and final payment only after only work completion and submission of delivery challan and Invoice.
6. **Income Tax Recovery Clause:** Income tax as applicable will be deducted from the bill.
7. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 5 %) to be imposed on contractor.
8. **GST/VAT/PAN Number:** Quotation shall consist of GST Registration Number, PAN number of the firm, etc.
9. **Quantity Variation Clause:** Quantity variation of  $\pm 10\%$  is possible during the execution of the job. Actual payment shall be made based on the actual work carried out by the contractor after completion of entire job.



**(B. K. Chougule)**  
**Hon. Secretary**

**For, The BARC Employees Co Op Credit Society Ltd.**  
**Old R-5 Shed, BARC, Trombay, Mumbai-400 085.**

**Annexure - I**  
**Technical Specification Sheet**

**1. Title:**

Supply, installation and configuration of Optical Fingerprint Scanner for authentication process for the BARC Emp. Co Op Cr. Society Ltd. Trombay Mumbai.

- Make: M/s. Mantra Softech
- Model: MFS500

**2. Scope of work:**

It involves supply, installation and configuration of Optical Fingerprint Scanner unit for authentication process.

The scope of job also involves following.

- a) Supply of items in sealed condition and installation at user's site.
- b) Configuration with existing hardware and software system.

**3. Installation Site:**

Site - 1. The BARC Emp. Co. Op. Cr. Society Ltd. Old R- 5 Shed, BARC, Trombay, Mumbai 400085

Site -2. The BARC Emp. Co. Op. Cr. Society Ltd. Ground floor, Mandakini Building, Anushaktinagar Mumbai - 400094

**4. Quantity Required: 30 Nos.**

**5. Technical specification:** As per enclosed Annexure sheet.

**Terms and Condition**

1. **Packing:** All items shall be packed in properly to avoid damage during transportation, user's department will not be responsible of any damage, during transportation.
2. **Board of Directors** reserves the right to cancel the contract in case company is failing to provide services up to the satisfaction level or on security grounds.
3. Late submission of tenders will not be accepted. Tenders by Telex/Telegram/Fax/e-mail" will not be accepted. Tenders may be submit by Registered Post/speed post/Normal post/ Hand delivery only.
4. Quotation received after due date will not be accepted. Board of Directors reserves the right to reduce or increase the number of items offered.
5. **Interested bidders may be contact the undersigned on Phone No. 25596341/43/33(Ext. No. 26341/43/33) for further any query.**
6. **The BARC Employees Co Op Credit Society Ltd.** reserves right to extend the date of opening the quotations.

Checked by Shri R.K.More, Adhoc Manager\_\_\_\_\_

7. **Payment Terms:** The BARC Employees Co Op Credit Society Ltd. shall make full and final payment only after submission of the warrantee certificate, delivery challan and Invoice. No advance payment is admissible.
8. **Income Tax Recovery Clause:** Income tax as applicable will be deducted from the bill.
9. **Penalty:** Any delay which attributable to the contractor is liable for penalty @ 0.5 % per week (max 5 %) to be imposed on contractor.
10. **GST/VAT/PAN Number:** Quotation shall consist of GST Registration Number, PAN number of the firm, etc.



A handwritten signature in purple ink, appearing to read "B. K. Chougule", written over a horizontal line.

**(B. K. Chougule)**  
**Hon. Secretary**

**For, The BARC Employees Co Op Credit Society Ltd.**  
**Old R-5 Shed, BARC, Trombay, Mumbai-400 085.**

# Optical Fingerprint Scanner

Model : MFS500 | OEM Module / Sensor : MOPv2.0

# MANTRA

## Benefits

- Easy to integrate
- Offers high accuracy
- Easier and faster to use
- USB 2.0 interface



## Features



Supports Window , Android & Linux System



Scratch free sensor surface



Latent Finger detection



High speed USB 2.0 interface with plug and play



Support 180 Degree rotation authentication



Lowest FAR and FRR



500 DPI optical fingerprint sensor



MINEX Compliance extractor



Auto Finger Detection

# Optical Fingerprint Scanner

Model : MFS500 | OEM Module / Sensor : MOPv2.0



MFS500 is a high-quality fingerprint scanner for accurate fingerprint authentication process. MFS500 is devised with an optical scratch free sensor for efficient recognition of poor quality fingerprint. MFS500 can be used for the process of identification, verification and authentication that captures the fingerprint images in a faster and reliable manner.

## At a Glance

### Sensor Characteristics

Parameters	Specification
Fingerprint Sensor Type	: Optical Scratch-Free Sensor
Spatial Resolution	: 500 DPI +/- 2%
Platen size	: 16.4 mm x 20.0 mm
Sensing Area	: 15 mm x 18 mm
Image Size	: 296 x 354 Pixels
Image Grayscale	: 256 (8 - Bit Gray Level)
Light Source	: RED LED
Approx Dimensions (L x W x H)	: 85 x 51 x 54 mm (Module: 61 x 23 x 28.5 mm)
Approx Weight.	: 0.123 Kg (Module : 0.025 Kg)
Maximum Acquisition Time (Placement to Template)	: < 2 Sec
Capture mode	: Auto Finger detection functionality & Auto capture with built-in quality check (incorporates NIST quality considerations)

### Electrical Characteristics

Parameters	Specification
Operating Voltage	: 5V +/- 5% (USB Powered Device)
Operating Current (max)	: <= 85 mA
Stand by Current (max)	: <= 40 mA
Interface	: USB 2.0

### Environmental Characteristics

Parameters	Specification
Operating Temperature	: 0 to 50 °C
Storage Temperature	: 0 to 50 °C
Humidity (Operating / Storage)	: < 90% RH, Non-condensing

### Compliant to Following Standard

Parameters	Specification
Biometric Data Interchange Format	: ISO 19794-2, ISO 19794-4, ANSI 378, WSQ3.1, JPEG2000
Environmental, Health and Safety	: RoHS
BIS	: IS 13252 (Part 1)
Safety	: EN / IEC 60950
EMI / EMC Compliance	: CE & FCC Part 15 B class A
Image Quality	: FBI PIV Certification, Mobile-ID FAP10
IP Rating	: IP54
Device Driver	: WHQL Certified with Unique Serial Number
Operating System	: Windows x80 & x04, Linux, Android