



# DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

At. Po. Lonere, Tal. Mangaon, Dist. Raigad 402 103 MS (www.dbatuonline.com)

## INVITATION FOR QUOTATION

Our Ref No. : DBATU/Store/Estab./Face Biometric Machine/2021/

Date: 17/08/2021

Quotation For: Face Biometric Machine

Due On: 25/08/2021

Date of Opening: 26/08/2021

Time: 11.30 am

To,

### Sub: QUOTATION FOR THE SUPPLY OF STORE

Dear Sir,

Your quotation for the items listed overleaf, may please be submitted to the under signed, so as to reach this Office not later than 25/08/2021.

While submitting your quotation, the following procedure may please be observed and other points borne in mind.

1. The maker's name must be specified.
2. The "Terms and Conditions" for supply and delivery of stores, should be clearly indicated in the quotation, stating whether rates are, inclusive of all taxes, Packing and forwarding charge,s Freight charges, etc. or not, however rates offered as including all taxes will be more welcome.
3. If packing and forwarding charges are to be charged separately, it should be so clearly stated in your quotation.
4. Please mention clearly whether consignment would be Ex-Godown, Ex-Shop, of F.O.R. dispatching stations. Preferably terms offered as "Delivery of consignment of stores, on F.O.R.
5. Envelope should be clearly marked with our reference No and date of this quotation. It should also be superscripted as per the format given above.
6. The quotation would be opened as per date and timing given above, if desired by you, you may depute an authorized representative with a letter of authority to be present at the time of opening of the quotation at this Office on the aforesaid day, date & time.
7. Your quotation must be valid for a minimum 30 (Thirty) working days from the date of it's opening.
8. Quotation received after the date of opening may not be taken into consideration.
9. Items tendered should confirm to the specification shown in the attached list when and where, full or no specifications are indicated against items in the list. Kindly furnish your full specification in accordance with accepted standards against each item tendered. Where reference to catalogue is made, the relevant catalogues/ Pamphlets/ Literature should accompany the quotation.
10. Your quotation should be for all new items and not for second hand.
11. Please state whether items will be available Ex-Stock. If not the minimum period for delivery, or for supplying the items or stores.



12. It should be clearly stated whether **GST**, Insurance, Freight or packing and forwarding charges, or any other taxes and duties, etc. leviable.
13. It would be appreciated if illustrated catalogues/Literature etc is furnished with the quotation.
14. Expression to as "Complete with standard Equipment" complete with standard accessories "Equipment to" As good as should be avoided. If at all their use is unavoidable then it should be very specifically indicated as to what exactly they mean and what exactly would be supplied under them. Any ambiguity or vagueness should be avoided.
15. For convenience, kindly adopt while quoting the same serial Nos. as given in the list detailed below.

Thanking You.

Yours faithfully,

Registrar

Dr. Babasaheb Ambedkar Technological University, Lonere

### List of Items

Sr. No.	Description / Specification	Make	Approx. Qty Req.	Rate per / Each / Unit	Remarks
1	<p>Face Recognition Technology : Local Server Based  Type of Face Recognition Biometric : Embedded Linux Based  Face Storage Capacity : 5000  Fingerprint Scanning Feature : No  If Yes, Fingerprint Storage Capacity : 500000  Maximum Attendance Log : 10000 Management Log</p> <p><b>Hardware Specification</b>  Screen Size ( Minimum ) : 7 inch  Screen Type : Touch  Screen resolution : 768 X 480  Processor Speed ( GHz ) : 1.3  RAM : 1024 megabyte  Storage : 2048 Megabyte  Micro SD Card Support : Yes  If yes, storage Expendability (through Micron 4  Number of USB Ports 1  Number of Micro USB Ports 1  Front Camera (Megapixel)  Network Connectivity : LAN+ Wi Fi  Audio Output Voice Interface: Yes</p> <p><b>Biometric Attendance System</b>  Identity Mode : Face and FP and Card and PIN (all  Display Language: English  Communication : TCP/IP  Encryption (AES)  Liveness Detection Method : Texture BAWs  Identification Time (Maximum) :1 second  Matching Modes: 1: N (1) 1:1(1  Enrolment Time: 1 second</p>		3		



<p>False Acceptance Rate (FAR):&lt;0.01%  False Rejection Rate (FRR) &gt;1%  Minimum Face Size for Detection (Pixel):50X50  Minimum Face Size for Recognition :100X100  Registration Face Template Size (KB)  Recognition Face Template Size (KB)  Partial Facial Occlusion Recognition : Yes  Beards and Hairstyles Recognition : Yes  Sunglasses Recognition : Yes  Irregular Lighting Recognition: No  STQP Certified Finger print Scanner: No  If Yes, STQC Certificate number for :R-41059382  If Yes, STQC Certificate Date &amp; Validity for  23.01.2023  Fool Proof System based on novel liveness : Yes  Application Supported on Device bundled: Yes  Device Operating System : Linux  <b>Casing</b>  Device Casing Material : Acrylic  Ingress Protection Rating(IP)  MISCELLANEOUS  RoHS Compliance: Yes  BIS Registration under CRS of Meity : Yes  If yes, BIS Registration under, date and its  R-41059382  Other Certifications available : CE,FCC  Minimum Operating Temperature:-20degree Celsius  Maximum Operating Temperature:-45degree Celsius  Minimum Storage Temperature:-20degree Celsius  Maximum Storage Temperature:60degree Celsius  Minimum Operating Humidity (RH)(%)  Maximum Operating Humidity (RH)(%)  Power Source : 230v+/-10%VAC,50Hz  Dimensions (mm X mm X mm) 220*95*35*  Weight : 180 gram  Type Test Certificate Covering all: Yes  If yes, TTC number and Date R-41059382  If yes, Name of the Lab : BIS  If Yes, Address of the Lab: NEW DELHI  <b>OTHER OPTIONS</b>  Availability of Mobile Device Management: Yes  Mobile Device Management (MDM) License: 1 Year  Mobile Device Management Hosting (MDM) : Cloud  Based  <b>STORAGE</b>  Cloud Storage : For 500 users  <b>INSTALLATION</b>  On Site installation: Yes  <b>WARRANTY</b>  On site OEM Warranty (Year)</p>				
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Quantity may vary

As Per Attached Annexure - I



## Face Reorganization Biometric

FEATURES	DESCRIPTION
Quantity	3
Face Recognition Technology	Local Server Based
Type of Face Recognition Biometric Attendance System	Embedded Linux Based
Face Storage Capacity	5000
If Yes, Fingerprint Storage Capacity	5000
Maximum Attendance Log	500000
Management Log	10000
<b>HARDWARE SPECIFICATION</b>	
Screen Size (Minimum)	7 inch
Screen Type	Touch
Screen Resolution	768 x 480
Processor Speed (GHz)	1.3
RAM	1024 megabyte
Storage	2048 megabyte
Micro SD Card Support	Yes
If Yes, Storage Expandability (through Micro SD Card)	4
Number of USB Ports	1
Number of Micro USB Ports	1
Front Camera (Megapixel)	2
Network Connectivity	LAN + Wi Fi
Audio Output Voice Interface	Yes
<b>Biometric Attendance System Specification</b>	
Identify Mode	Face and FP and Card and PIN (All Combination)
Display Language	English
Communication	TCP/IP
Encryption (AES)	256
Liveness Detection Method	Texture Based
Identification Time (Maximum)	1 second
Matching Modes	1:N(1)   1:1(1)



FEATURES	DESCRIPTION
Enrolment Time	1 second
False Acceptance Rate (FAR)	$\leq 0.01\%$
False Rejection Rate (FRR)	$\leq 1\%$
Minimum Face Size for Detection (Pixel)	50 x 50
Minimum Face Size for Recognition	100 x 100
Registration Face Template Size (KB)	8
Recognition Face Template Size (KB)	10
Partial Facial Occlusion Recognition	Yes
Beards and Hairstyles Recognition	Yes
Sunglasses Recognition	Yes
If Yes, STQC Certificate number for Fingerprint Scanner	R-41059382
If Yes, STQC Certificate Date & Validity for Fingerprint Scanner	23.01.2023
Fool Proof System based on novel liveness detection algorithms to avoid impersonation/fraud	Yes
Application Supported on Device bundled with Face Recognition Software	Yes
Device Operating System	Linux
<b>Casing</b>	
Device Casing Material	Acrylic
Ingress Protection Rating (IP)	54
<b>MISCELLANEOUS</b>	
RoHS Compliance	Yes
BIS Registration under CRS of Meity	Yes
If Yes, BIS Registratin number, date and its validity	R-41059382
Other Certifications available	CE,FCC
Minimum Operating Temperature	-20 degree Celsius
Maximum Operating Temperature	45 degree Celsius
Minimum Storage Temperature	-20 degree Celsius
Maximum Storage Temperature	60 degree Celsius
Minimum Operating Humidity (RH) (%)	20
Maximum Operating Humidity (RH) (%)	80



<b>FEATURES</b>	<b>DESCRIPTION</b>
Power Source	230 V +/- 10% V AC, 50 Hz
Dimensions (mm x mm x mm)	220*95*35
Weight	180 gram
Type Test Certificate Covering all parameters and Environmental tests from STQC certified lab	Yes
If Yes, TTC number and Date	R-41059382
If Yes, Name of the Lab	BIS
If Yes, Address of the Lab	NEW DELHI
<b>OTHER OPTIONS</b>	
Availability of Mobile Device Management (MDM) Support	Yes
Mobile Device Management (MDM) License and Support	1 Year
Mobile Device Management Hosting (MDM)	Cloud Based
<b>STORAGE</b>	
Cloud storage	For 500 users
<b>INSTALLATION</b>	
On site installation	Yes
<b>WARRANTY</b>	
On Site OEM Warranty (Year)	1