

Rate Contract Tender

**Supply, Installation and Commissioning of
Biometric Systems**

Tender Ref. ELCOT/Proc/OT/33146/Biometric Systems
/RC/2018-19

Corrigendum No.3 to the Tender Document

CORRIGENDUM TO THE TENDER DOCUMENT

The following Corrigendum to the Tender Document is hereby issued:-

S. N	Title of the clause	Existing	To be read as
1	Page No: 14, Section No. 4 – Eligibility Criteria, 4.1- Eligibility - S.No. 6	The Bidder/OEM shall have executed Single order for supply, installation and commissioning of BIOMETRIC SYSTEMS for a value of at least Rs. 5 Lakhs and above for any Government Departments / Organisations / Public Sector Undertakings in Tamil Nadu in the last 3 years.	The Bidder/OEM shall have executed Single order for supply, installation and commissioning of BIOMETRIC SYSTEMS for a value of at least Rs.15 Lakhs and above for any Government Departments / Organisations / Public Sector Undertakings in India in the last 3 years.
2	Page No: 14, Section No. 4 – Eligibility Criteria, 4.1 - Eligibility - S.No. 8	Bidder / Manufacturer should have ISO 9001:2008 certified manufacturing facility and ISO 14001:2008 certified for handling hazardous products.	Bidder / Manufacturer should have ISO 9001:2008 certified manufacturing facility.
3	Page No: 14, Section No. 4 – Eligibility Criteria, 4.1 - Eligibility - S.No.7	The bidder/OEM should have atleast one service centre (Own Service centre) in each region (North, East, South and West as given in the Tender Document).	The bidder/OEM should have atleast one service centre (Own Service centre) in each region (North, East, South and West as given in the Tender Document) Undertaking letter shall be submitted by the bidder for establishing the service centre, in case they do not have service centre in zones. The service centre should be established as per tender conditions, within 30 days from the date of issuance of LOA and before the issuance of first purchase order.

4	Page No: 57, Section No. 9 - Scope of Work, 9.10 -Minimum Stock Maintenance – Point a.	To tackle such conditions, the successful Bidder should maintain an ex-stock of about 10 units of all items in the premises as confirmed by ELCOT.	To tackle such conditions, the successful Bidder should maintain an ex-stock of about 10 units of all items at bidder premises.
5	Page No. 15-Section no.5, Specification: - 33146-001 - Android Tablet based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner – S.No: 3 Processor	Quad core 1.3 Ghz Processor or above	Quad core 1.2 Ghz Processor or above
6	Page No. 15 -Section no.5, Specification - 33146-001 -Android Tablet based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner S.No. 11 - GSM SIM Slot	Minimum two GSM SIM card slots	Single GSM SIM slot
7	Page No. 15 -Section no.5, Specification - 33146-001 -Android Tablet based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner – S. No. 14- Wi-Fi & Lan	Wi-Fi IEEE 802.11b/g/n	Wi-Fi IEEE 802.11b/g/n, LAN – 10/100/1000 Mbps
8	Page No. 16 -Section no.5, Specification - 33146-001 -Android Tablet based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner – S.No: 18- Fingerprint scanner- point No.2	The device should meet the UIDAI guidelines from time to time. The bidder has to submit a letter from OEM on OEM's letter head stating that FP Scanner is approved by UIDAI for Level 0/Level 1 compliance, as applicable.	No Change

9	Page No. 17 -Section no.5, Specification - 33146-002 - Android Tablet based Biometric Attendance Systems (Non Aadhaar integrated with STQC Certified Finger Print Scanner - S.No. 3 -Processor	Quad core 1.3 Ghz Processor or above	Quad core 1.2 Ghz Processor or above
10	Page No. 18 –Section no.5, Specification - 33146-002 - Android Tablet based Biometric Attendance Systems (Non Aadhaar integrated with STQC Certified Finger Print Scanner -- S.No. 11 - GSM SIM Slot	Minimum two GSM SIM card slots	Single GSM SIM slot
11	Page No. 18 -Section no.5, Specification - 33146-002 - Android Tablet based Biometric Attendance Systems (Non Aadhaar integrated with STQC Certified Finger Print Scanner - S. No. 14 Wi-Fi & Lan	Wi-Fi IEEE 802.11b/g/n	Wi-Fi IEEE 802.11b/g/n, LAN – 10/100/1000 Mbps
12	Page No. 19 -Section no.5, Specification - 33146-002 - Android Tablet based Biometric Attendance Systems (Non Aadhaar integrated with STQC Certified Finger Print Scanner - S.NO. 18 - Fingerprint scanner Point No.2	The device should meet the UIDAI guidelines from time to time. The bidder has to submit a letter from OEM on OEM's letter head stating that FP Scanner is approved by UIDAI for Level 0/Level 1 compliance, as applicable.	No change.
13	Page No. 29-Section no.5, Specification - 33146-011 - Finger Print Reader for Entry & Exit. – S.No. 4 Voice Prompt	Yes	Voice and LED indication

14	Page No. 29 -Section no.5, Specification - 33146-012 - Card Reader for Entry & Exit – S.No. 3- Voice Prompt	Yes	Voice and LED indication
New Items Added in Annexure - I			
15	Linux based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner		New Item Added
16	Linux Based Fingerprint and Card based Time-Attendance and Door Access Device with POE		New Item Added
17	Optical Fingerprint and Card based Door Controller for Access Control and Time-Attendance with STQC certified		New Item Added
18	Fingerprint and Mifare Smart Card based Exit Reader with STQC certified		New Item Added
19	Card Based Enrollment Station		New Item Added
20	Card Based Personality module		New Item Added
21	Application Software for Access Controller/Attendance System – 100 users (Expandable up to 500 users)		New Item Added
22	Time and Attendance Module Software for 500 users		New Item Added
23	Access Controller Module Software for 500 users		New Item Added
24	Visitor Management Module Software for 500 users		New Item Added
25	Power Supply Battery Backup for Access Controller		New Item Added
26	New Add On Item added in Annexure-II		Application Software for Access Controller/ Attendance System – Additional 100 users License
			Huawei E3351 Data Card or equivalent
			Power adapter for the items, 33146-001 & 33146-002

Note: (The above corrigendum is applicable to all other clauses which contains the respective terms in the tender document)

Annexure-I

Code:3146-015 - Linux based Aadhaar Enabled Biometric Attendance Systems integrated with STQC Certified Finger Print Scanner		
S.No.	Description	Specification
1	Display	3.5 Inch Touch Screen TFT Color LCD with 320x240 pixels Virtual Keypad on LCD
2	Micro Processor	ARM Cortex A8 @ 1 Ghz or above
3	Memory	1GB RAM or above, 8GB Flash or above
4	Operating System	LINUX OS (3.0.35) or above
5	Keyboard	Physical integrated QWERTY Keypad; Alpha Numeric (A-Z;0-9); Function keys (F1-F10)
6	Interfaces/Connectors	a) 1x RS-232 (RJ45 connector for console/Serial port) b) USB Device -1 c) USB Host-1
7	Speaker	1W Audio Speaker supporting MP3 and WAV file
8	Finger Print Scanner	1) Inbuilt Finger Print Scanner , STQC Certified single fingerprint Bio-Metric device for Aadhaar authentication with driver, in-built template extractor software/SDK (mandatorily with license, if required) (STQC Certificate for the device must be submitted) 2) The device should meet the UIDAI guidelines from time to time. The bidder has to submit a letter from OEM on OEM's letter head stating that FP Scanner is approved by UIDAI for Level 0 compliance, as applicable. 3) API and SDK if required 4) Vendor has to provide all necessary technical support for integration of their device drivers with attendance software and associated UIDAI applications
9	Contact less card reader	ISO1443, NFC Inbuilt proximity card/Mifare. Supports read and write.
10	Communication Module	A) LAN 10/100/1000 BASE-T (Ethernet) B) DUAL SIM CARD with 3G & 4G data support. C) Wi-Fi IEEE 802.11b/g/n
11	GPS	Optional
12	Power Adaptor	AC input 10-240V,50/60Hz,DC output 9V.2.2A
13	Battery	Minimum battery backup upto 4 hours, with minimum 2000 mAh battery or above

14	Enclosure	Rugged casing made up of ABS+PC Complying to IP51 Standards.
15	Operating Temperature	0°C to 55°C
16	Safety	CE certified
17	Drop Test	3-4 Feet Drop test
18	Certifications	1) BIS 2) RoHS 3) IP 51 4) STQC certified 5) CE
19	SD Card Provision	Provision Micro SD Card Reader (upto 32GB)
20	Application Compatibility	1) The device should be compatible with NIC's AEBAS attendance software application. The Device should be Listed in www.attendance.gov.in 2) Bidder should install Biometric Attendance System (BAS) Software (available for free download from NIC) at Vendor level before delivery. Vendor has to provide all necessary technical support for integration of AEBAS with NIC software.
21	Accessories	Power Adapter, USB cable

Code:3146-016 - Linux Based Fingerprint and Card based Time-Attendance and Door Access Device with POE			
Sl.No	Parameters		Technical Details
1	GENERAL	Application	Time- Attendance and Door Access
2		Integration	AEBAS Server (AADHAAR Enabled Biometric Attendance System)
3		Credential Support	Finger, RFID Card and AADHAAR Number
4		Card Support	Mifare Smart Card (Read/Write Supported)
5		Sensor	Suprema Optical Sensor (STQC Certified)
6		Keypad	Touch Screen Based
7	DISPLAY	Display	3.5" TFT Display with Capacitive Touch Panel
8		Display Size	320 x 240 Pixels
9	COMMUNICATION	Ethernet	Yes (10/100 Mbps on Ethernet)
10		Wi-Fi	Yes (802.11 b/g/n)
11		PoE	Yes (IEEE 802.3 af)
12		Mobile Broadband	Yes (3G/4G Support) Through USB dongle
13	AUDIO-VISUAL	User Photo Display	Yes

14		Buzzer	Yes
15	CONFIGURATION	Platform (Operating System)	Embedded Linux
16		CPU	800 MHz ARM Cortex A8 based Processor
17		Flash Memory	256 MB Flash
18		RAM Memory	512 MB DDR3 RAM
19		Micro SD Card	Yes (Inbuilt 4 GB)
20	ELECTRICAL	Input Power	12 VDC @ 2A
21		Tamper Detection	Yes
22	ENVIRONMENTAL	Humidity	5% to 85% RH Non-Condensing
23		Operating Temperature	0°C to + 50°C (32°F to 122°F)
24	INTERFACES	Exit Switch	Yes
25		Door Status Sense	Programmable NO, NC, Supervised
26		Door Lock Relay	Form C, SPDT Relay (Max 2A@30 VDC)
27		Door Lock Power	Internal 12VDC @ 0.5A or External
28		Aux-IN	Programmable NO, NC, Supervised
29		Aux-OUT	Form C, SPDT Relay (Max 2A@30 VDC)
30		Reader Interface types	RS 232, and Wiegand IN/OUT
31		Reader Types – Features	1 Port for Card Reader / Finger Reader / Card Finger Combo Reader / Third Party Wiegand reader

Category – 2

<u>Code:3146-017</u>		Optical Fingerprint and Card based Door Controller for Access Control and Time-Attendance with STQC certified	
S.No.	Parameters		Technical Details
1	GENERAL	Credential Support	Card, PIN and Finger
2		Display	128 x 64 Dot Matrix Display
3		Keypad	16 Touch Sense Keys
4	CAPACITY	User Capacity	50,000 (Max. 9600 in 1:N Mode)
5		Template Per User	Up to 10 (Single Template per Finger Mode), Up to 5 (Dual Template per Finger Mode)
6		Template Storage Capacity	9600 in 1:N Mode and 1 lac in 1:1 Mode
7		Cards Per User	Upto 2
8		Event Buffer	5,00,000
9		Types of Cards Support	Proximity Card (EM Prox) & Smart Card (Mifare and HID iClass) (Card Module Required)
10	COMMUNICATION	Mobile Broadband	Yes (2G/3G Support)
11		RS-485	Yes (115.2 Kbps)

12		Ethernet	Yes (10/100 Mbps on Ethernet)
13	INTER-FACES	Exit Switch	Yes
14		Door Status Sense	Programmable NO, NC, Supervised
15		Door Lock Relay	Form C, SPDT Relay (Max 2A@30 VDC)
16		Door Lock Power	Internal 12VDC @ 0.5A or External
17		Aux-IN	Programmable NO, NC, Supervised
18		Aux-OUT	Form C, SPDT Relay (Max 1A@30 VDC)
19		Reader Interface types	RS 232, and Wiegand IN only
20		Reader Types	1 Port for Card Reader / Finger Reader / Card Finger Combo Reader / Third Party Wiegand reader
21		USB	2 USB Ports (1 for Data Transfer and 1 for 2G-3G Dongle)
22	AUDI-O-VISUAL	Buzzer	Yes
23		LED	4 LEDs (Status, Alarm, Allowed, Denied)
24	CONFIG-URATION	CPU	400 MHz ARM 9 based Processor
25		Flash Memory	256 MB Flash
26		RAM Memory	128 MB DDR2 RAM
27	ELECTRIC-AL	Input Power	12 VDC @ 2A
28		Reader Power Output	Internal 12 VDC @ 0.5 A or External
29		Battery Backup	No
30	ENVIRON-MENTAL	Humidity	5% to 85% RH Non-Condensing
31		Operating Temperature	0°C to + 50°C (32°F to 122°F)
32		Certification	CE and RoHS
33	OTHERS	System Integration	Software API for Software Integration
34		Real Time Clock	Rechargeable RTC with NTP Server/ GPS Clock
35		Operational Mode	Direct Door with Server
36		Tamper Detection	Yes
37	SENSOR SPECIFICA-TIONS	Sensing Area	15.9mm x 17.9mm (0.62" x 0.70")
38		Sensor Technology	Suprema Optical Sensor with STQC certified
39		Image Size in Pixels	288 x 288
40		Image Resolution in DPI	500
41		Identification Time	< 1sec
42		Equal Error rate (ERR)	< 0.1%
43		Water-proof	IP65, Scratch free
44		Verification Time	< 1sec (less than 3000 templates)
45		Template Size	384 bytes
46		Fingerprint Module	ISO 19794-2 Compliant
47	ISO Card Support	Proximity - 125 KHz	No ISO Standards
48		Mifare Card - 13.56 MHz	ISO 14443 A Supported
49		HID iCLASS Card - 13.56 MHz	ISO 14443 A and ISO 15693 Supported
50		DesFire Card - 13.56 MHz	ISO 14443 A Supported (Read Only)

Code:3146-018		STQC Certified Controller	
Fingerprint and Mifare Smart Card based Exit Reader with STQC certified			
S.No.	Parameters		Technical Details
1	GENERAL	Credential Support	Finger and Card
2		Sensor	Optical
3		Type of Cards	Mifare Smart
4	COMMUNICA-TION	RS 232	Yes
5	AUDIO-VISUAL	Buzzer	Yes
6		LED	Single LED (Tri-Color)
7	ELECTRICAL	Input Power	12 VDC @ 0.1A
8	ENVIRON-MENTAL	Humidity	5% to 85% RH Non-Con-densing
9		Operating Temper-ature	0°C to + 50°C (32°F to 122°F)
10	OTHERS	Tamper Detection	Yes
11		IP 65	Verified
12	SENSOR SPE-CIFICATIONS	Sensing Area	15.9mm x 17.9mm (0.62" x 0.70")
13		Sensor Technology	Suprema Optical Sensor with STQC certified
14		Image Size in Pixels	288 x 288
15		Image Resolution in DPI	500
16		Identification Time	< 1sec
17		Equal Error rate (ERR)	< 0.1%
18		Water-proof	IP 65, Scratch Resistance
19		Verification Time	< 1sec (less than 3000 tem-plates)
20		Template Size	384 bytes
21		Fingerprint Module	ISO 19794-2 Compliant

Code no.019		Card Based Enrollment Station	
S.N o.	Parameters		Technical Details
1	GENERAL	Credential Sup- port	Card
2		User Capacity	10,000
3		Type of Card	Mifare Smart Card
4	CAPACITY	Cards Per User	2
5		Events Buffer	50,000
6	COMMUNICATION	RS-485	Yes (115.2 Kbps)
7		Battery Backup	No
8		Ethernet	Yes (10/100 Mbps)
9		PoE	Yes (IEEE 802.3 af)

10	INTERFACES	Exit Switch	Yes
11		Door Status Sense	Programmable NO, NC, Supervised
12		Door Lock Relay	Form C, SPDT Relay (Max 1A@30 VDC)
13		Door Lock Power	Internal 12VDC @ 0.5A or External
14		Reader Interface types	RS 232, and Wiegand IN/OUT
15	AUDIO-VISUAL	Buzzer	Yes
16		LED	Single LED (Tri-Color)
17	CONFIGURATION	CPU	32 Bit Micro-controller
18		Flash Memory	512 KB Internal Memory + 4 MB External Flash
19		RAM Memory	128 KB SRAM
20	ELECTRICAL	Input Power	12 VDC @ 2A
21	ENVIRONMENTAL	Humidity	5% to 85% RH Non-Condensing
22	OTHERS	System Integration	Software API for Software Integration
23		Operational Mode	Direct Door with Server
24		IP65	Verified
25		Real Time Clock	Rechargeable RTC with NTP Server/ GPS Clock
26		Tamper Detection	Yes
27		Certification	CE, BIS

Code No.020			Card Based Personality module
Sl No	Parameters	Technical Details	
1	Attachable Devices	Support door controllers	
2	Operating Temperature	00C to +500C (320F to 1220F)	
3	Humidity	5% to 95% RH Non-Condensing	

Code No.021			Application Software for Access Controller/Attendance System – 100 users (Expandable up to 500 users)
Sl No	Parameters	Technical Details	
1	No of users	100 users	
2	Expandable	Upto 500 Users	
3	Support Controller	65,000 Door Controllers	
4	Software Modules	Basic Access Control, Basic Time and Attendance, Visitor Management, Enroll Management	

<u>Code No.022</u>		Time and Attendance Module Software for 500 users
Sl No	Parameters	Technical Details
1	No of Users	500
2	Software Modules	Time-Attendance Module and Leave Management Module, Attendance and Leave Policy creation, Manual corrections, Leave / tour Application and approval.
3	Notifications	SMS and Email
4	Third Party Software Interface	Integration with Payroll, Tally, Active Directory and HRM
5	Reports	Reports with charts

<u>Code No.023</u>		Access Controller Module Software for 500 users
Sl No	Parameters	Technical Details
1	No of Users	500
2	Software Modules	Time, user and zone based Access Control, Anti Pass back, Guard Tour, Duress Detection, Time Stamping
3	Notifications	SMS and Email
4	Reports	Yes

<u>Code No.024</u>		Visitor Management Module Software for 500 users
Sl No	Parameters	Technical Details
1	No of Users	500
2	Software Modules	Visitor Pre-Registration with Detailed information E-Pass and Paper pass Creation Visitor Photo and Signature Capturing Live Visitor Monitoring from a Single Window Access Rights
3	Notifications	Email
4	Reports	Yes

<u>Code No.025</u>		Power Supply Battery Backup for Access Controller
Sl No	Parameters	Technical Details
1	Attachable Devices	Door Controllers
2	Battery Type	12V, 3.2Ah Sealed Lead Acid, Rechargeable
3	Mounting	Wall

4	Power Switch	Yes
5	Operating Temperature	00C to +500C (320F to 1220F)
6	Humidity	5% to 95% RH Non-Condensing

Annexure-II

S. No	Add on
1	Application Software for Access Controller/Attendance System – Additional 100 users License
2	Huawei E3351 Data Card or equivalent
3	Power adapter for the items, 33146-001 & 33146-002