Surat Smart City Development Limited

ADDENDUM AND CORRIGENDUM

RFP No.: SSCDL-BiometricAttendance-01-2017

The Bidders are requested to take note of the following changes made in the RFP document, which are to be taken in to account while submitting the RFP. They shall be presumed to have done so and submitted the RFP accordingly.

- This Addendum and Corrigendum shall be the part of the RFP documents.
- Content specified in this Addendum and Corrigendum supersede relevant content to that effect as provided in the original RFP documents. All other specifications, terms and conditions of the original RFP document shall remain unchanged.
- Bidders shall read and consider following points, which shall be a part of the RFP documents.

Highlighted Colour	What does it indicate?
No highlight	Indicates content as per original RFP document
Highlighted in Blue	Indicates amendment as per this Addendum and Corrigendum-2

Changes with respect to RFP Schedule
Please note that with respect to tendering schedules, the following changes have been effected. Bidders are requested to take note of the same and adhere to the dates specified hereunder with regards to Price Bid Submission and Technical Bid Submission:

Particular	Current Dates	Proposed Dates
Pre-bid Conference by Submission of queries by email	• Bidders shall have to post queries by email to it@suratsmartcity.com on or before 01/08/2017, 16:00 hrs.	• Bidders shall have to post queries by email to it@suratsmartcity.com on or before 14/08/2017, 16:00 hrs.
Price Bid Submission	• To be submitted online only on https://smc.nprocure.com on or before 14/08/2017 upto 18:00 hrs.	• To be submitted online only on https://smc.nprocure.com on or before 28/08/2017 upto 18:00 hrs.
Technical Bid Submission (in Hard Copy) filled-in Technical Bid along with Bid Fee, EMD, Solvency Certificate and other documents.	• In sealed envelope strictly by RPAD/Postal Speed Post on or before 19/08/2017 upto 18:00 hrs. to the Chief Accountant, Surat Municipal Corporation, Muglisara, Surat – 395003, Gujarat.	• In sealed envelope strictly by RPAD/Postal Speed Post on or before 01/09/2017 upto 18:00 hrs. to the Chief Accountant, Surat Municipal Corporation, Muglisara, Surat – 395003, Gujarat.

Sign & Stamp

Sr. No.	Tender Reference	Existing Clause	Amended / New Clause
1.	Section 3 Page No. 13	**3.3 SCOPE OF WORK IN DETAIL** 3. **Card Supply & Printing** The bidder shall be required to supply the cards meeting the minimum specification for issuance to the enrolled employees. The printing of the card is also within the scope of the agency. The agency will setup the card printing facility at SMC at the enrollment center. The card design will be proposed by the bidder and once approved the cards will be issued accordingly.	**3.3 SCOPE OF WORK IN DETAIL** 3. **Card Supply & Printing** The bidder shall be required to supply the cards meeting the minimum specification for issuance to the enrolled employees. The printing of the card is also within the scope of the agency. The agency will setup the card printing facility at SMC at the enrollment center till the complete rollout of the devices. Post this, the card printing support to be provided offline wherein necessary details for card printing will be provided to the bidder and the printed cards to be provided by the bidder within 5 working days.
2.	Section 4 Page No. 16	**4.4.1 Admin Module** 4 Created & Manage Contracts a. Create/Edit/Delete Contacts with details of SLA, payments and penalty	**4.4.1 Admin Module** 4 Created & Manage Contracts a. Create/Edit/Delete Contracts with manpower requirement details
3.	Section 4 Page No. 16	**4.4.2 Employee Enrollment & Management Module** Employee Enrollment Module will provide functionality for enrolling new employee and managing existing employees. Indicative list of requirements for the module is as under: 1. Capture Employee Master data like Employee No., Name, Designation, Class, date of joining, date of retirement, contact no., etc. 2. Capture Employee specific biometric templates. 3. Capture Employee transaction data like department, work time details/shift details, office location, etc. 4. There must be provision to maintain and retrieve historic data.	**4.4.2 Employee Enrollment & Management Module** Employee Enrollment Module will provide functionality for enrolling new employee and managing existing employees. Indicative list of requirements for the module is as under: 1. Capture Employee Master data like Employee No., Name, Designation, Class, date of joining, date of retirement, contact no., etc. 2. Capture Employee specific biometric templates. 3. Capture Employee transaction data like department, work time details/shift details, office location, etc. 4. There must be provision to maintain and retrieve historic data.

		5. Necessary audit trail must be maintained to track changes in the data. 6. Facility to enroll employees of SMC as well as other entity/company/contractor. 7. Should have provision for automatic transfer (Optionally manual) of data from the readers to the computer without any operator interface. 8. Should have provision to assign and update shifts and working days 9. There should be provision to assign individual or multiple employees to a specific device / multiple devices installed at one location/site for marking of the attendance. 10. There should be provision to group employees based on site / department / zone / etc. for assigning the employee management functionality to appropriate user for such group	5. Necessary audit trail must be maintained to track changes in the data. 6. Facility to enroll employees of SMC as well as other entity/company/contractor. 7. Should have provision for automatic transfer (Optionally manual) of data from the readers to the computer without any operator interface. 8. Should have provision to assign and update shifts and working days 9. There should be provision to assign individual or multiple employees to a specific device / multiple devices installed at one location/site for marking of the attendance. 10. There should be provision to group employees based on site / department / zone / etc. for assigning the employee management functionality to appropriate user for such group 11. Prior to complete enrollment process, there should be provision to check for duplicate records matching the biometric profile of the employee being enrolled.
4.	Section 4 Page No. 19	**4.4.8 Card Management** The module should provide the facility export and store the face & biometric template of a specific employee in his/her employee card.	**4.4.8 Card Management** The module should provide the facility export and store the face or finger template of a specific employee in his/her employee card.
5.	Section 4 Page No. 19	**4.4.9 Employee Attendance & Enrollment Data Transfer** 1. The data from the respective site must be transferred to central databased. There should be provision to define the interval for the transfer of the attendance data from the device to central database.	**4.4.9 Employee Attendance & Enrollment Data Transfer** 1. The data from the respective site must be transferred to central databased. There should be provision to transfer the data in realtime and in case of network unavailability the data should be transferred as soon as connectivity is restored.
6.	Section 4 Page No. 21	**4.4.13 Application Hosting** The solution shall be hosted in SMC data center. The selected bidder shall be required to install and configure the required database. The integrated data from all Attendance Devices installed at various location	**4.4.13 Application Hosting** The solution shall be hosted in SMC data center. SMC will provide the server to host the application and database. The selected bidder shall be required to install and configure the required database. The integrated

		should be available in a central database on a central server located at SMC datacenter i.e. all devices/application components should use a central database to store data. The data should be stored in such a way that whenever required it can be queried and made available in report format. The data should be stored in such a way that whenever required it can be queried and made available in report format.	data from all Attendance Devices installed at various location should be available in a central database on a central server located at SMC datacenter i.e. all devices/application components should use a central database to store data. The data should be stored in such a way that whenever required it can be queried and made available in report format. The data should be stored in such a way that whenever required it can be queried and made available in report format.
7.	Section 5 Page No. 25	**5. ELIGIBILITY CRITERIA** The bidder interested in being considered for "Bid for Implementation of Smart Biometric Attendance System at various offices of Surat Municipal Corporation" must meet the following minimum eligibility criteria:	**5. ELIGIBILITY CRITERIA** The bidder interested in being considered for "Bid for Implementation of Smart Biometric Attendance System at various offices of Surat Municipal Corporation" must meet the following minimum eligibility criteria:

Left column table:

#	Pre-Qualification Criteria	Proof Document Required
5.1	The Bidder should be manufacturer/OEM of the Biometric Device. In the case the bidder is not manufacturer, the bidder should be duly authorized by the manufacturer/OEM to supply the goods by submitting Manufacturer's Authorization as per "Form –1.7: Authorisation letter from OEM".	Manufacturer's Authorization Form document to be submitted for Biometric Device. (Form –1.7: Authorisation letter from OEM)
5.2	The bidder should have an average annual turnover of Rs. 50 lakhs in each of the last three financial years i.e. 2014-15, 2015-16 and 2016-17. The copies of Audited Annual Accounts for last three years shall be	Financial Capability Statement as in Appendix-1 Form – 1.4

Right column table:

#	Pre-Qualification Criteria	Proof Document Required
5.1	The Bidder should be manufacturer/OEM of the Biometric Device. In the case the bidder is not manufacturer, the bidder should be duly authorized by the manufacturer/OEM to supply the goods by submitting Manufacturer's Authorization as per "Form –1.7: Authorisation letter from OEM".	Manufacturer's Authorization Form document to be submitted for Biometric Device. (Form –1.7: Authorisation letter from OEM)
5.2	The bidder should have an average annual turnover of Rs. 50 lakhs in each of the last three financial years i.e. 2014-15, 2015-16 and 2016-17. The copies of Audited Annual Accounts for last three years to be submitted along with the bid	Financial Capability Statement as in Appendix-1 Form –1.4

	uploaded along with the bid [Financial Years of 2014-15, 2015-16 and 2016-17].		[Financial Years of 2014-15, 2015-16 and 2016-17]. ==If 2016-17 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2013-14 along with an undertaking letter from the bidder that the 2016-17 Statements are not audited is to be submitted.==
5.4	The bidder must have completed at least 5 years of experience/operation in the field of Supply, Installation and Implementation of Biometric based Time Attendance Systems as on bid start date.	Copy of work order / Completion certificate / Contract clearly indicating years in operation	
			5.4 The bidder must have completed at least 5 years of experience/operation in the field of Supply, Installation and Implementation of Biometric based Time Attendance Systems as on bid start date. Copy of work order / Completion certificate / Contract clearly indicating years in operation
5.5	The bidder or OEM (by OEM or its channel partner) shall have successfully completed the supply to PSU / Government Organization / Banks / Educational institutions [Financial Years of 2014-15, 2015-16 and 2016-17] - at least 80% of the tender quantity (480 nos.) of Biometric devices in one financial year during last three years out of which one order shall be of 50% of the tender quantity (300 nos.). OR - at least 60% of the tender quantity (360 nos.) of Biometric devices in each of two financial year during last three years out of which two order shall be of 33% of the tender quantity (198 nos.).	Copy of work order / Completion certificate / Contract clearly indicating quantity	5.5 **==If Type-A & Type-B devices are from same OEM==** The OEM (by OEM or its channel partner) shall have successfully completed the supply to PSU / Government Organization / Banks / Educational institutions [Financial Years of 2014-15, 2015-16 and 2016-17] - at least 80% of the tender quantity (420 nos.) of Biometric devices in one financial year during last three years out of which one order shall be of 50% of the tender quantity (263 nos.). OR - at least 60% of the tender quantity (315 nos.) of Biometric devices in each of two financial year during last three years out Copy of work order / Completion certificate / Contract clearly indicating quantity
5.6	The bidder must have supplied at least 100 Biometric Attendance Devices or biometric based access control devices in any two financial year out of last three years [Financial Years of 2014-15, 2015-16 and 2016-17].	Copy of work order / Completion certificate / Contract clearly indicating quantity	

5.7	The bidder must have at least one support/service center in Surat, please attach documentary evidence. In case the bidder is OEM and is providing after sales support through Franchisee and/or Service Provider, the Franchisee and/or Service Provider must have at least one service center in Surat. The undertaking in hard copy duly signed by the bidder OEM & the franchisee and/or Service Provider shall also be attached with the bid for after sales support. [Note: If bidder does not have the local presence, it should open a local office within 60 days from issuance of LOI / Work Order whichever is earlier.]	Proof of address for Service Center in Surat
5.8	The bidder should not be black-listed / debarred by any of the Government or Public Sector Units in India as on the date of the submission of the tender.	Anti-Blacklisting Affidavit as per as per "Form –1.5: Format for Declaration by the bidder for not being Blacklisted / Debarred"
5.9	The bidder should furnish Bid Fee and an Earnest Money Deposit (EMD) as specified in RFP and the bidder should furnish Solvency Certificate amounting minimum 20% of the consideration of the Contract from a scheduled/nationalized bank.	EMD & Bid Fee as per RFP along with Solvency Certificate

of which two order shall be of 33% of the tender quantity (173 nos.).

If Type-A & Type-B devices are from different OEM

OEM Criteria for Type-A

The OEM (by OEM or its channel partner) shall have successfully completed the supply to PSU / Government Organization / Banks / Educational institutions [Financial Years of 2014-15, 2015-16 and 2016-17]

- at least 80% of the tender quantity (200 nos.) of Biometric devices in one financial year during last three years out of which one order shall be of 50% of the tender quantity (125 nos.).
  OR

at least 60% of the tender quantity (150 nos.) of Biometric devices in each of two financial year during last three years out of which two order shall be of 33% of the tender quantity (83 nos.).

OEM Criteria for Type-B

The OEM (by OEM or its channel partner) shall have successfully completed the supply to PSU / Government Organization / Banks / Educational institutions [Financial Years of 2014-15, 2015-16 and 2016-17]

			- at least 80% of the tender quantity (220 nos.) of Biometric devices in one financial year during last three years out of which one order shall be of 50% of the tender quantity (138 nos.). OR at least 60% of the tender quantity (165 nos.) of Biometric devices in each of two financial year during last three years out of which two order shall be of 33% of the tender quantity (91 nos.).	
		5.6	The bidder must have supplied at least 100 Biometric Attendance Devices or biometric based access control devices in any two financial year out of last three years [Financial Years of 2014-15, 2015-16 and 2016-17].	Copy of work order / Completion certificate / Contract clearly indicating quantity
		5.7	The bidder must have at least one support/service center in Surat, please attach documentary evidence. In case the bidder is OEM and is providing after sales support through Franchisee and/or Service Provider, the Franchisee and/or Service Provider must have at least one service center in Surat. The undertaking in hard copy duly signed by the bidder OEM & the franchisee and/or Service Provider shall also be attached with the bid for after sales support. [Note: If bidder does not have the local presence, it should open a local office within 60 days from issuance of LOI / Work Order whichever is earlier.]	Proof of address for Service Center in Surat

5.8	The bidder should not be black-listed / debarred by any of the Government or Public Sector Units in India as on the date of the submission of the tender.	Anti-Blacklisting Affidavit as per as per "Form –1.5: Format for Declaration by the bidder for not being Blacklisted / Debarred"
5.9	The bidder should furnish Bid Fee and an Earnest Money Deposit (EMD) as specified in RFP and the bidder should furnish Solvency Certificate amounting minimum 20% of the consideration of the Contract from a scheduled/nationalized bank.	EMD & Bid Fee as per RFP along with Solvency Certificate

8.	Section 5 Page No. 38	**7.48 Delivery schedule:** The successful bidder shall deliver, install, configure and implement complete project as detailed in this RFP as per the below mentioned schedule:	**7.48 Delivery schedule:** The successful bidder shall deliver, install, configure and implement complete project as detailed in this RFP as per the below mentioned schedule:

Left column table:

#	Project Phase	Estimated Quantity	Delivery Days
1	Pilot Rollout at - One/two HQ Department - One Zone Office - Two Ward Offices in each of seven zones, health center, etc.	50	45 days
2	**Complete Rollout**	**550**	**75 days**
2.1	25% of the ordered quantity	138	30
2.2	50% of the ordered quantity	275	60
2.3	Remaining 25% of the ordered quantity	137	75

Right column table:

#	Project Phase	Estimated Quantity			Delivery Days
		Type-A Device	Type-B Device	Total	
1	Pilot Rollout at - One/two HQ Department - One Zone Office - Two Ward Offices in each of seven zones, health center, WTP, STP, WDS, SPS, etc.	25	25	50	60 days

Sign & Stamp

Note: SMC will test the devices and application for its performance and accuracy during the pilot phase. The pilot period will be of 30 days and may be extended if SMC desires to do so. On successful completion of pilot project the order for the complete rollout will be released.

Making available the Biometric Attendance System Software

The successful bidder shall be required to customize the web based Biometric Attendance System application. The complete customization as per SMC requirements shall be completed within 90 days of the work order. However, the covered devices shall be made available for monitoring and attendance thereof shall be available as soon as the installation activity is started.

2	**Complete Rollout**	**225**	**250**	**475**	**120 days**
2.1	25% of the ordered quantity			119	30
2.2	25% of the ordered quantity			119	60
2.3	25% of the ordered quantity			119	90
2.4	Remaining 25% of the ordered quantity			118	120

Note for Pilot Rollout:

1. Successful Bidder is required to do a Pilot Rollout of the quantities mentioned above as per the time limit specified from the date of issuance of LoA/Work Order. Service Provider shall have to develop and customize the software system as per the requirements specified in RFP.

2. After setting up the Pilot Rollout the successful bidder shall demonstrate the product and solution to show their conformity to technical and functional requirements of the RFP. The pilot rollout shall be checked for full functionality in an integrated environment for a period of 45 days.

3. On successful pilot rollout, the Work Order(s)/Request Order(s) will be issued for the further roll out of the project. The installation priority for Type-A and Type-B devices under this phase will be decided by SMC.

4. Delay in Pilot Demonstration in time period provided in RFP and beyond the extended Time Period from that the Parties have agreed upon and provided such delay is beyond control of the Service Provider or due to reasons attributed to Authority or due to Force Majeure, then the Authority shall have rights to cancel order and take up appropriate action.

Making available the Biometric Attendance System Software

The successful bidder shall be required to customize the web based Biometric Attendance System application. The complete customization as per SMC requirements shall be completed within 60 days of the work

			order. However, the covered devices shall be made available for monitoring and attendance thereof shall be available as soon as the installation activity is started.
9.	Section 5 Page No. 42	**7.75 Terms of Payment** - 80% after successful installation and commissioning - 10% after six month of the successful rollout of project - 10% on completion of 1st year of warranty - AMC charges will be paid on quarterly basis on completion of each quarter.	**7.75 Terms of Payment** - 80% after successful EQDC certification, installation and commissioning - 10% after six month of the successful rollout of project - 10% on completion of 1st year of warranty - AMC charges will be paid on quarterly basis on completion of each quarter.
10.	Form –1.4: Financial Capability Statement Page No. 57	Form –1.4: Financial Capability Statement (On Statutory Auditor's or CA letterhead by each consortium member) I hereby declare that I have scrutinized and audited the Financial statements of M/s_____. Turnover* of the bidder (name of the Bidder) as on 31st March as per Audited statement is as follows:	Form –1.4: Financial Capability Statement (On Statutory Auditor's or CA letterhead by each consortium member) I hereby declare that I have scrutinized and audited the Financial statements of M/s_____. Turnover* of the bidder (name of the Bidder) as on 31st March as per Audited statement is as follows:

Left table (item 10):

Financial year	Turnover (INR Crore)	Net Worth (INR Crore)
2016-17		
2015-16		
2014-15		

*To be provided from latest available Audited statement

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(Signed and Sealed by the statutory auditor or CA)

Right table (item 10):

Financial year	Turnover (INR Crore)	Net Worth (INR Crore)
2016-17		
2015-16		
2014-15		
2013-14**		

*To be provided from latest available Audited statement
** In case Financials for FY 2016-17 are not audited.

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(Signed and Sealed by the statutory auditor or CA)

Enclosure:

		Enclosure:	(1)	Copy of latest available Audited annual reports for last three years as applicable or as per Financial Year/Calendar Year followed by the bidder firm to be provided. If 2016-17 Financial Statements of any bidder is unaudited then the Audited Financial Statements of 2013-14 along with an undertaking letter from the bidder that the 2016-17 Statements are not audited is to be submitted.
		(1) Copy of latest available Audited annual reports for last three years as applicable or as per Financial Year/Calendar Year followed by the bidder firm.		

==The following changes have been added / revised and appended in this Addendum and Corrigendum document. The same supersedes relevant content to that effect as provided in the original RFP documents.==

4.4.15 Hardware Specifications

#	Feature	Descriptions
I. Biometric Device – TYPE A (minimum technical specification)	
1.	Authentication Method	Biometric authentication based of face recognition, finger print recognition, Card, Password and combinations (configurable) with the following priority 1. Face 2. Finger 3. Card
2.	Processor	1GHz Quad Core Processor or better for fast processing.
3.	Display	- Screen Size – 4" Touch Screen Colour Display - Resolution – Min. 800 X 600
4.	Memory	- Memory to store up to 5,000 Face and 20,000 Fingerprints on terminal itself. - Device Memory: RAM – 2 GB, Flash Memory – 4 GB - Memory to store minimum 10,00,000 transaction logs along with min 25,000 picture logs.
5.	Communication	- Built-in wired Ethernet connectivity - Protocol support DHCP/SSL/IPv4 - Connectivity using direct SIM card / USB Dongle preferred - Built-in Wireless connectivity with wifi preferred - Device must be capable to communicate with the central server (with fixed IP) through intranet/internet (device with/without fixed IP).
6.	Camera	- Built-in 1.3 MP camera with IR sensor - It should read a face in 0 lux conditions means extreme dark environments and even with considerable background light of 20,000 lux.
7.	Fingerprint Scanner	- 500 dpi optical sensor - Minimum sensor area 13 mm X 15 mm
8.	Keypad	Touch screen based
9.	RF Card Reader	- High Frequency Contactless Smart Card Reader - Read Range: Up to 10 cm. - Capability to read popular card technologies (EMV / MIFARE) - The protocol of data from the reader shall be an open format and non-proprietary.
10.	Authentication mode & speed	- System should be able to perform in 1:1 and 1:n authentication modes. And should support 1:3000 face authentication and 1:12000 for biometric authentication for 1:n modes. ○ For 1:1 mode: < 0.5 second ○ For 1:n mode: < 4 second

		- Support for authentication modes like Terminal only; Server only
11.	FRR / FAR for Face Recognition	FRR – 0.1% or better / FAR – 0.001% or better
12.	FRR / FAR for Finger print scanner	FRR – 0.1% or better / FAR – 0.001% or better
13.	Operating Temperature	Temp. 0 degree to 60 degree
14.	Indicator	- Indication through Sound and Display - Sound (24 bit). Sound should be audible to the users even after placement of the protective enclosure. - Provision to provide a unique tone for various status conditions such as successful attendance marking / failure to mark attendance, etc. - Appropriate visible display message should be shown based on the event type. - The display and sound should be synchronised. - In case of failure to reach the face, the system should show appropriate message for marking attendance through finger and subsequently card and pin. - Warning alarm in case of tampering with machine. - To display private message against a verified user / displaying global messages for all users.
15.	USB Support	- Support for connectivity using USB Dongle - Support for data export/import/backup
16.	Certificates	CE / FCC / ROHS Certifications
17.	Security	- Ability to detect live face and live fingerprint - Device must ensure that the person marking the presence is actually present. - Attendance should not be marked using image / video - Attendance should not be marked using fake fingerprints made of Rubber, Silicon, Gel, etc.
18.	Template on Card	Device should support the Template on card feature by reading the face or finger templates stored on card & comparing the same at the time of marking of presence.
19.	Finger Enrolment	Software shall be able to register any 4 fingerprints of an employee in software & terminal itself
20.	Software/firmware updates	- All software/firmware updates to be provided free of cost during the contract period. - There should be provision to update the software/firmware from the central console.
21.	Other features	The download punch information of employees from the readers should be transferred to the central server in real-time.
22.	Other features	To capture picture of authorized or unauthorized users & transfer the same to server on real time basis w/o any delay unless network is down. The device should have full functionality in off-line mode. It should be able to send all events once connectivity is re-established (employees must be able to punch in/out for shift, break, entry, exit, etc. while device is offline).

23.	Other features	Blacklist Employee configuration to send an alert to software if a blacklist employees punches.
24.	Other features	In the event of reader failure/ malfunction/ tempering, the central console should be able to identify the same and appropriate alarms shall be generated for such incidents.
25.	Other features	The devise must have built-in real-time clock and the same should be in sync with the server time.
26.	Other features	The reader should be rugged and should be capable to operate in diverse office/working environment. It should be capable to work for long period of time; it should be built within a tamper proof rugged body to make it more secure and rodent proof; device must be strong enough to sustain shock/drops from table heights etc.
27.	Power Supply	The device shall come with India style power plug and should work in standard power supply condition (230 V single phase power supply).

II. Biometric Device – TYPE B (minimum technical specification)		
#	**Feature**	**Descriptions**
1.	Authentication Method	Biometric authentication based of face recognition, finger print recognition, Card, Password and combinations (configurable) with the following priority 1. Face 2. Finger 3. Card
2.	Processor	1GHz Processor or better for fast processing.
3.	Display	- Screen Size – 3.5" Touch Screen Colour Display - Resolution – Min. 800 X 600
4.	Memory	- Memory to store up to 500 Face and 2000 Fingerprints on terminal itself. - Device Memory: RAM – 1 GB, Flash Memory – 2 GB - Memory to store minimum 1,00,000 transaction logs along with min 2500 picture logs.
5.	Communication	- Built-in wired Ethernet connectivity - Protocol support DHCP/SSL/IPv4 - Connectivity using direct SIM card / USB Dongle preferred - Built-in Wireless connectivity with wifi preferred - Device must be capable to communicate with the central server (with fixed IP) through intranet/internet (device with/without fixed IP).
6.	Camera	- Built-in 1.3 MP camera with IR sensor - It should read a face in 0 lux conditions means extreme dark environments and even with considerable background light of 20,000 lux.
7.	Fingerprint Scanner	- 500 dpi optical sensor - Minimum sensor area 13 mm X 15 mm
8.	Keypad	Touch screen based
9.	RF Card Reader	- High Frequency Contactless Smart Card Reader - Read Range: Up to 10 cm.

		- Capability to read popular card technologies (EMV / MIFARE) - The protocol of data from the reader shall be an open format and non-proprietary.

10.	Authentication mode & speed	- System should be able to perform in 1:1 and 1:n authentication modes. And should support 1:500 face authentication and 1:2000 for biometric authentication for 1:n modes.
		    o For 1:1 mode: < 0.5 second
		    o For 1:n mode: < 2 second
		 - Support for authentication modes like Terminal only; Server only

11.	FRR / FAR for Face Recognition	FRR – 0.1% or better / FAR – 0.001% or better
12.	FRR / FAR for Finger print scanner	FRR – 0.1% or better / FAR – 0.001% or better
13.	Operating Temperature	Temp. 0 degree to 60 degree
14.	Indicator	- Indication through Sound and Display - Sound (24 bit). Sound should be audible to the users even after placement of the protective enclosure. - Provision to provide a unique tone for various status conditions such as successful attendance marking / failure to mark attendance, etc. - Appropriate visible display message should be shown based on the event type. - The display and sound should be synchronised. - In case of failure to reach the face, the system should show appropriate message for marking attendance through finger and subsequently card and pin. - Warning alarm in case of tampering with machine. - To display private message against a verified user / displaying global messages for all users.
15.	USB Support	- Support for connectivity using USB Dongle - Support for data export/import/backup
16.	Certificates	CE / FCC / ROHS Certifications
17.	Security	- Ability to detect live face and live fingerprint - Device must ensure that the person marking the presence is actually present. - Attendance should not be marked using image / video - Attendance should not be marked using fake fingerprints made of Rubber, Silicon, Gel, etc.
18.	Template on Card	Device should support the Template on card feature by reading the face or finger templates stored on card & comparing the same at the time of marking of presence.
19.	Finger Enrolment	Software shall be able to register any 4 fingerprints of an employee in software & terminal itself
20.	Software/firmware updates	- All software/firmware updates to be provided free of cost during the contract period. - There should be provision to update the software/firmware from the central console.

21.	Other features	The download punch information of employees from the readers should be transferred to the central server in real-time.
22.	Other features	To capture picture of authorized or unauthorized users & transfer the same to server on real time basis w/o any delay unless network is down. The device should have full functionality in off-line mode. It should be able to send all events once connectivity is re-established (employees must be able to punch in/out for shift, break, entry, exit, etc. while device is offline).
23.	Other features	Blacklist Employee configuration to send an alert to software if a blacklist employees punches.
24.	Other features	In the event of reader failure/ malfunction/ tempering, the central console should be able to identify the same and appropriate alarms shall be generated for such incidents.
25.	Other features	The devise must have built-in real-time clock and the same should be in sync with the server time.
26.	Other features	The reader should be rugged and should be capable to operate in diverse office/working environment. It should be capable to work for long period of time; it should be built within a tamper proof rugged body to make it more secure and rodent proof; device must be strong enough to sustain shock/drops from table heights etc.
27.	Power Supply	The device shall come with India style power plug and should work in standard power supply condition (230 V single phase power supply).

III. RFID Card Specification (minimum technical specification)		
#	**Feature**	**Descriptions**
1.	RFID Card (MIFARE-4K)	- Technology : Mifare 4K - Standard size : ISO 7810 (5.40 x 8.57 x 0.076 cm) - EEPROM Size : 4 Kbyte - Compliance : ISO 14443A - Color : White - Security features to avoid unauthorized reading - Suitable for Photo ID printing - Should have 10 years data retention. - Should be made of rugged, reliable, non-breaking plastic material - Must be integrated with the proposed solution to write the user face and finger template.

IV. Biometric Device Enclosure (minimum technical specification)		
#	**Feature**	**Descriptions**
1.	Device Enclosure	The reader to be mounted on walls with proper enclosures/ stands for ease of operation and accessibility. - Enclosure should be tamper proof and rugged to secure the device. - It should be rodent proof. - It should have sufficient space to accommodate Biometric Device and Power Supply. - Air Ventilation should be sufficient to avoid heating. - It should have lock and key provision for safety.

		- Provision for Wall Mounting is required. - It should be powder coated. - Should have sufficient thickness to withstand pressure.

4.4.16 Device Types

The operations of SMC span across different offices and the employee strength at these locations varies. Considering the employee strength, SMC is looking to have two types of devices:

- Type A device which will be installed at offices like HQ, Zone, SMIMER, etc.
- Type B devices which will be installed at other office locations like ward office, WTP, STP, etc.

The selected bidder can offer, Type-A device and Type-B device (meeting or exceeding the minimum specifications) from either the same OEM or different OEM. However the following criteria must be met:

- There should not be separate enrollment for Type-A and Type-B devices.
- The centralized application software and database must be same.
- The attendance should be reported on the single console.
- The employee templates should be transferrable to any type of device.
- Template on card feature should be supported seamlessly across both the types of devices where in if employee template is not available on local device, the attendance should be marked by reading the face or finger templates stored on card & comparing the same at the time of marking of presence.

7. Terms and Conditions

7.98 Review by Committee of Surat Municipal Corporation

The eligible bidder will be required to demonstrate Proof of Concept covering the device, application and solution to the review committee formed by the competent authority. The product and solution approved by the review committee will only be considered for further tender process i.e. commercial bid evaluation. The decision of review committee of SMC will be final and binding.

7.99 Inspection & Testing: The bidder will have to offer the inspection at EQDC, Gandhinagar & in the manner as decided by SSCDL/SMC immediately after delivering the product to SSCDL/SMC. The cost of the same has to be borne by the supplier. Any deviation found in the specification of the produced goods or delivered goods after inspection from the tender specifications will lead to the cancellation of the order, forfeiture of EMD and prohibition in the participation in the future purchase of SSCDL/SMC. SSCDL/SMC will not be responsible for any time delay which may arise due to any deviation from the bid technical specification found at the time of inspection and the bidder has to deliver the ordered goods within prescribed time limit. At the time of inspection, bidder is required to produce OEM's confirmation on OEM's Letter head with sr. nos. of Equipment supplied for back to back warranty support as per tender terms and conditions.

For EQDC testing, SMC/SSCDL will randomly select one (1) unit of Type-A device and one (1) unit of Type-B device at the time of pilot implementation and subsequently two (2) units of Type-2 devices and two (2) units of Type-B devices. Any deviation found in the specification of the produced goods or delivered goods after inspection from the tender specifications will lead to the cancellation of the order and rejection of the supplied goods.

The details of the modalities and charges for Quality testing at EQDC

1. The quality testing of Biometric Device will be carried out by EQDC-Gandhinagar. The charges for the same are to be paid directly to EQDC by the supplier(s).

2. In case, the ordered quantity varies from the tendered quantity, then the final sampling plan will be decided by SSCDL/SMC.

3. In case of rejection of the sample(s), the entire order of that item may be rejected and the equal nos. of sampling will be again taken from the new produced lot. The extra cost for the same has to be borne by the supplier/ bidder.

Inspection/ Test parameter(s)
I.   General Inspection
1. Visual examination
2. Dimensions ·   Screen Size ·   Minimum Sensor area of Fingerprint scanner
II.   Verification of Marking Requirement
1.   Manufacturer's name or trademark
2.   Model designation and serial no.
3.   Country manufacture etc.
4.   CE/ FCC/ RoHS mark
III. Verification of interface & communication Requirement
1.   Built-in wired Ethernet connectivity

2.	Capability to communicate with server through intranet/ internet (with/without fixed IP)
3.	USB Support
IV. Environmental Tests (In Operating Condition)	
1.	Damp Heat Test @40°C, 90% R.H. for the period of 4 Hours
2.	Cold Test @0°C for the period of 4 Hours
3.	Dry Heat @ 60°C for the period of 4 Hours
V. Safety and EMI/EMC Tests	
1.	Dielectric Strength/ IR test as per IS 13252-1/IEC 60950-1
2.	Conducted Emission Test as per CISPR 22, Acceptance criteria - B
3.	Radiated Emission Test as per CISPR 22, Acceptance criteria - B
4.	Radiated Susceptibility Test [Radiated, Radio Frequency, Electro-magnetic Field Immunity Test] as per IEC 61000-4-3 @ 10V/m, Acceptance criteria - C
5.	Electric Fast Transient Immunity Test as per IEC 61000-4-4 @ 4kV, Acceptance criteria - C
6.	Surge Immunity Test as per IEC 61000-4-5 @ 2kV, Class C limit
7.	Electro Static Discharge Immunity test as per IEC 61000-4-2 @ 15kV, Acceptance criteria – C
8.	Power Frequency Magnetic Field Immunity Test as per IEC 61000-4-8 @ 15kV, Acceptance criteria – C
VI. Verification of Performance Requirements	
1.	Verification of Authentication based on face recognition, finger print recognition, card, password and combinations
2.	Key pad
3.	RF card Reader - Read range of RF Card reader
4.	Camera – should read a face in 0 lux conditions/ in extreme dark environment
5.	Indicator feature
6.	Security
7.	Template on card
8.	Finger Enrolment
VII. Power Consumption Test	

Sign & Stamp

8. TECHNICAL SPECIFICATIONS

- The Bidder may participate in the bid by quoting items meeting or exceeding the minimum technical specification detailed as under.
- Bidders needs to clearly specify the make & model of the product offered.
- The bidder must clearly specify the compliance of the offered product vis-à-vis specification and deviation if any in the Column-D and Column-E respectively.
- The technical spec sheet and the product brochure of the product offered should also be submitted along with technical bid.
- In case the space provided is not sufficient then a separate paper as per the format below can be annexed to the bid. The same must be duly signed and stamped.

TECHNICAL (MINIMUM) SPECIFICATIONS

#	Feature	Descriptions	Compliance (Yes/ No)	Deviation from Specification / Remarks if Any
A	B	C	D	E
I. Biometric Device – TYPE A (minimum technical specification) [Quantity – 250 units]				
[Specify the Make & Model of the product proposed] _____				
1.	Authentication Method	Biometric authentication based of face recognition, finger print recognition, Card, Password and combinations (configurable) with the following priority 1. Face 2. Finger 3. Card		
2.	Processor	1GHz Quad Core Processor or better for fast processing.		
3.	Display	- Screen Size – 4" Touch Screen Colour Display - Resolution – Min. 800 X 600		
4.	Memory	- Memory to store up to 5,000 Face and 20,000 Fingerprints on terminal itself. - Device Memory: RAM – 2 GB, Flash Memory – 4 GB - Memory to store minimum 10,00,000 transaction logs along with min 25,000 picture logs.		

5.	Communication	- Built-in wired Ethernet connectivity - Protocol support DHCP/SSL/IPv4 - Connectivity using direct SIM card / USB Dongle preferred - Built-in Wireless connectivity with wifi preferred - Device must be capable to communicate with the central server (with fixed IP) through intranet/internet (device with/without fixed IP).		
6.	Camera	- Built-in 1.3 MP camera with IR sensor - It should read a face in 0 lux conditions means extreme dark environments and even with considerable background light of 20,000 lux.		
7.	Fingerprint Scanner	- 500 dpi optical sensor - Minimum sensor area 13 mm X 15 mm		
8.	Keypad	Touch screen based		
9.	RF Card Reader	- High Frequency Contactless Smart Card Reader - Read Range: Up to 10 cm. - Capability to read popular card technologies (EMV / MIFARE) - The protocol of data from the reader shall be an open format and non-proprietary.		

10.	Authentication mode & speed	- System should be able to perform in 1:1 and 1:n authentication modes. And should support 1:3000 face authentication and 1:12000 for biometric authentication for 1:n modes.
		   o For 1:1 mode: < 0.5 second
		   o For 1:n mode: < 4 second
		- Support for authentication modes like Terminal only; Server only		

11.	FRR / FAR for Face Recognition	FRR – 0.1% or better / FAR – 0.001% or better		
12.	FRR / FAR for Finger print scanner	FRR – 0.1% or better / FAR – 0.001% or better		
13.	Operating Temperature	Temp. 0 degree to 60 degree		
14.	Indicator	- Indication through Sound and Display - Sound (24 bit). Sound should be audible to the users even after placement of the protective enclosure.		

		- Provision to provide a unique tone for various status conditions such as successful attendance marking / failure to mark attendance, etc. - Appropriate visible display message should be shown based on the event type. - The display and sound should be synchronised. - In case of failure to reach the face, the system should show appropriate message for marking attendance through finger and subsequently card and pin. - Warning alarm in case of tampering with machine. - To display private message against a verified user / displaying global messages for all users.		
15.	USB Support	- Support for connectivity using USB Dongle - Support for data export/import/backup		
16.	Certificates	CE / FCC / ROHS Certifications		
17.	Security	- Ability to detect live face and live fingerprint - Device must ensure that the person marking the presence is actually present. - Attendance should not be marked using image / video - Attendance should not be marked using fake fingerprints made of Rubber, Silicon, Gel, etc.		
18.	Template on Card	Device should support the Template on card feature by reading the face or finger templates stored on card & comparing the same at the time of marking of presence.		
19.	Finger Enrolment	Software shall be able to register any 4 fingerprints of an employee in software & terminal itself		
20.	Software/firmware updates	- All software/firmware updates to be provided free of cost during the contract period. - There should be provision to update the software/firmware from the central console.		
21.	Other features	The download punch information of employees from the readers should be transferred to the central server in real-time.		
22.	Other features	To capture picture of authorized or unauthorized users & transfer the same to server on real time basis w/o any delay unless network is down.		

#	Feature	Descriptions		
		The device should have full functionality in off-line mode. It should be able to send all events once connectivity is re-established (employees must be able to punch in/out for shift, break, entry, exit, etc. while device is offline).		
23.	Other features	Blacklist Employee configuration to send an alert to software if a blacklist employees punches.		
24.	Other features	In the event of reader failure/ malfunction/ tempering, the central console should be able to identify the same and appropriate alarms shall be generated for such incidents.		
25.	Other features	The devise must have built-in real-time clock and the same should be in sync with the server time.		
26.	Other features	The reader should be rugged and should be capable to operate in diverse office/working environment. It should be capable to work for long period of time; it should be built within a tamper proof rugged body to make it more secure and rodent proof; device must be strong enough to sustain shock/drops from table heights etc.		
27.	Power Supply	The device shall come with India style power plug and should work in standard power supply condition (230 V single phase power supply).		
II. Biometric Device – TYPE B (minimum technical specification) [Quantity – 275 units] **[Specify the Make & Model of the product proposed]** _____				
#	**Feature**	**Descriptions**		
28.	Authentication Method	Biometric authentication based of face recognition, finger print recognition, Card, Password and combinations (configurable) with the following priority 1. Face 2. Finger 3. Card		
29.	Processor	1GHz Processor or better for fast processing.		
30.	Display	- Screen Size – 3.5" Touch Screen Colour Display - Resolution – Min. 800 X 600		
31.	Memory	- Memory to store up to 500 Face and 2000 Fingerprints on terminal itself. - Device Memory: RAM – 1 GB, Flash Memory – 2 GB - Memory to store minimum 1,00,000 transaction logs along with min 2500 picture logs.		

32.	Communication	- Built-in wired Ethernet connectivity - Protocol support DHCP/SSL/IPv4 - Connectivity using direct SIM card / USB Dongle preferred - Built-in Wireless connectivity with wifi preferred - Device must be capable to communicate with the central server (with fixed IP) through intranet/internet (device with/without fixed IP).		
33.	Camera	- Built-in 1.3 MP camera with IR sensor - It should read a face in 0 lux conditions means extreme dark environments and even with considerable background light of 20,000 lux.		
34.	Fingerprint Scanner	- 500 dpi optical sensor - Minimum sensor area 13 mm X 15 mm		
35.	Keypad	Touch screen based		
36.	RF Card Reader	- High Frequency Contactless Smart Card Reader - Read Range: Up to 10 cm. - Capability to read popular card technologies (EMV / MIFARE) - The protocol of data from the reader shall be an open format and non-proprietary.		

37.	Authentication mode & speed	- System should be able to perform in 1:1 and 1:n authentication modes. And should support 1:500 face authentication and 1:2000 for biometric authentication for 1:n modes.
		   o For 1:1 mode: < 0.5 second
		   o For 1:n mode: < 2 second
		- Support for authentication modes like Terminal only; Server only		

38.	FRR / FAR for Face Recognition	FRR – 0.1% or better / FAR – 0.001% or better		
39.	FRR / FAR for Finger print scanner	FRR – 0.1% or better / FAR – 0.001% or better		
40.	Operating Temperature	Temp. 0 degree to 60 degree		
41.	Indicator	- Indication through Sound and Display - Sound (24 bit). Sound should be audible to the users even after placement of the protective enclosure.		

		- Provision to provide a unique tone for various status conditions such as successful attendance marking / failure to mark attendance, etc. - Appropriate visible display message should be shown based on the event type. - The display and sound should be synchronised. - In case of failure to reach the face, the system should show appropriate message for marking attendance through finger and subsequently card and pin. - Warning alarm in case of tampering with machine. - To display private message against a verified user / displaying global messages for all users.		
42.	USB Support	- Support for connectivity using USB Dongle - Support for data export/import/backup		
43.	Certificates	CE / FCC / ROHS Certifications		
44.	Security	- Ability to detect live face and live fingerprint - Device must ensure that the person marking the presence is actually present. - Attendance should not be marked using image / video - Attendance should not be marked using fake fingerprints made of Rubber, Silicon, Gel, etc.		
45.	Template on Card	Device should support the Template on card feature by reading the face or finger templates stored on card & comparing the same at the time of marking of presence.		
46.	Finger Enrolment	Software shall be able to register any 4 fingerprints of an employee in software & terminal itself		
47.	Software/firmware updates	- All software/firmware updates to be provided free of cost during the contract period. - There should be provision to update the software/firmware from the central console.		
48.	Other features	The download punch information of employees from the readers should be transferred to the central server in real-time.		
49.	Other features	To capture picture of authorized or unauthorized users & transfer the same to server on real time basis w/o any delay unless network is down.		

		The device should have full functionality in off-line mode. It should be able to send all events once connectivity is re-established (employees must be able to punch in/out for shift, break, entry, exit, etc. while device is offline).		
50.	Other features	Blacklist Employee configuration to send an alert to software if a blacklist employees punches.		
51.	Other features	In the event of reader failure/ malfunction/ tempering, the central console should be able to identify the same and appropriate alarms shall be generated for such incidents.		
52.	Other features	The devise must have built-in real-time clock and the same should be in sync with the server time.		
53.	Other features	The reader should be rugged and should be capable to operate in diverse office/working environment. It should be capable to work for long period of time; it should be built within a tamper proof rugged body to make it more secure and rodent proof; device must be strong enough to sustain shock/drops from table heights etc.		
54.	Power Supply	The device shall come with India style power plug and should work in standard power supply condition (230 V single phase power supply).		
III. RFID Card Specification (minimum technical specification) [Quantity – 22,000 units] **[Specify the Make & Model of the product proposed]** _____				
1.	RFID Card (MIFARE-4K)	- Technology : Mifare 4K - Standard size : ISO 7810 (5.40 x 8.57 x 0.076 cm) - EEPROM Size : 4 Kbyte - Compliance : ISO 14443A - Color : White - Security features to avoid unauthorized reading - Suitable for Photo ID printing - Should have10 years data retention. - Should be made of rugged, reliable, non-breaking plastic material Must be integrated with the proposed solution to write the user face and finger template.		

IV. Biometric Device Enclosure (minimum technical specification) [Quantity – 525 units]				
[Specify the Make & Model of the product proposed] _____				
1.	Device Enclosure	The reader to be mounted on walls with proper enclosures/ stands for ease of operation and accessibility. - Enclosure should be tamper proof and rugged to secure the device. - It should be rodent proof. - It should have sufficient space to accommodate Biometric Device and Power Supply. - Air Ventilation should be sufficient to avoid heating. - It should have lock and key provision for safety. - Provision for Wall Mounting is required. - It should be powder coated. - Should have sufficient thickness to withstand pressure.		

Price Bid

[Note: **Must be submitted online, not to be sent physically**]

PRICE BID						
Item No.	Description	Quantity	Unit Rate (w/o Taxes)	Amount (w/o Taxes)	Tax (%)	Amount inclusive of all taxes
A	B	C	D	E= C*D	F	G= E*(100+F)%
I.	**Biometric Devices Type A** as per Technical Specification including installation charge with 1 year warranty	250 nos.				
II.	**Biometric Devices Type B** as per Technical Specification including installation charge with 1 year warranty	275 nos.				
III.	Time Attendance System as per Technical Specification	1 nos.				
IV.	Biometric Device Enclosure	525 nos.				
V.	RFID Card	22000 nos.				
VI.	Colour printing of the card	22000 nos.				
VII.	Yearly Comprehensive AMC Charges for the complete system	5 years				
Total						

Note :

Sign & Stamp

1. The Prices mentioned in the Price Bid should include all applicable taxes & duties as applicable. The L1 evaluation will be done exclusive of taxes but inclusive of any duties applicable to the products. The bidder to quote the duties along with the rate of products proposed for L1 evaluation.

   However, the bidder is expected to provide the tax components in commercials. The payment of taxes to the selected bidder will be done on actuals. In this regard, selected bidder is required to submit documents describing the total tax paid for this Project (for each component). The payment for tax component will be made in the subsequent billing cycle. Further, SSCDL shall be entitled to deduct tax at source or any other taxes/ cess as may be applicable.

2. The quantity mentioned above is indicative in nature and may vary at the time of implementation. The rate should be valid for quantity which may lower/higher than the specified quantity. The rate will also be valid during the contract period for additional purchases if any.

3. All rates/Amount should be quoted in INR

4. The Authority shall be entitled to deduct tax at source as may be applicable. The TDS certificate(s) shall be submitted as per the due date specified in the Income Tax Act.

Place :   **Signature of Authorized Person :**

Date :   **Designation :**

Company stamp :   **Name :**

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