

**GSR**

**CATH LAB BIOMETRIC ACCESS AND INTERCOM SYSTEM**

**(Last Date of Submission: 16 Jan 26)**

A biometric access control system with all types of recognition till facial recognition including a two way intercom is required by our organization. The detailed specifications and terms and conditions are as follows:-

Submit all documents in soft copy to : [gso2it@afic.gov.pk](mailto:gso2it@afic.gov.pk)

Submit all documents in hard copy to the address: IT Department, main AFIC building, AFIC, Rawalpindi.

<b><u>Ser</u></b>	<b><u>Eqpt &amp; Type of Revision</u></b>	<b><u>Qty</u></b>	<b><u>Specifications</u></b>	<b><u>Remarks</u></b>
1.	BIOMETRIC ACCES MACHINE AND INTERCOM SYSTEM	1	<b>Model</b>	
			Zktecho SenseFace 4A Zktecho SenseFace 4B or EQUIVALENT	
			<b>Display</b>	
			4.3"@ TFT Color Touch LED Screen (272*480)	
			<b>Camera</b>	
			WDR Binocular Camera @ 1MP	
			<b>Operation System</b>	
			Linux	
			<b>Hardware</b>	
			CPU: Dual Core@1GHz RAM: 512MB; ROM: 8GB Speaker: 8ohm @1W Microphone: *1 (Sensitivity: -42 dB/ Omni-directional/ Signal-to-Noise Ratio: 58 dB/ Impedance: 2.2kΩ) Supplement Light: No Fingerprint Sensor: In-Glass Fingerprint (Z-ID) (SenseFace 4A)	
			<b>Authentication Method</b>	
			SenseFace 4A: Fingerprint / Face / Card / Password (Virtual Keypad) SenseFace 4B: Face / Card / Password (Virtual Keypad)	
			<b>Fingerprint Template Capacity</b>	
			SenseFace 4A: 8,000 (1:N) (Standard)	

		SenseFace 4B: /	
		<b>Face Templates Capacity</b>	
		6,000 (1:N) (Standard)	
		<b>Card Capacity</b>	
		8,000 (1:N) (Standard)	
		<b>User Capacity</b>	
		8,000 (1:N) (Standard)	
		<b>Transaction Capacity</b>	
		200,000 (1:N)	
		<b>Max. User Password Length</b>	
		8 Digits	
		<b>Biometric Verification Speed</b>	
		SenseFace 4A: less than 0.5 sec (Fingerprint) ; less than 0.35 sec (Facial Authentication) SenseFace 4B: less than 0.35 sec (Facial Authentication)	
		<b>Touchless Biometric Recognition Distance</b>	
		30cm to 200cm (Facial Authentication)	
		<b>False Acceptance Rate (FAR) %</b>	
		SenseFace 4A: FAR ≤ 0.01% ( Visible Light Facial Authentication); FAR ≤ 0.0001% ( Fingerprint ) SenseFace 4B: FAR ≤ 0.01% ( Visible Light Facial Authentication)	
		<b>False Rejection Rate (FRR) %</b>	
		SenseFace 4A: FRR ≤ 0.02% ( Visible Light Facial Authentication); FRR ≤ 0.01% ( Fingerprint ) SenseFace 4B: FRR ≤ 0.02% ( Visible Light Facial Authentication)	

			<b>Biometrics Algorithm</b>	
			SenseFace 4A: ZKFace V4.0 ZKFingerprint V13.0 (Standard) / V10.0 (Optional) SenseFace 4B: ZKFace V4.0	
			<b>Card Type</b>	
			ID Card@125 kHz (Standard) IC Card@13.56 MHz (Optional)	
			<b>Communication</b>	
			TCP / IP*1 Wi-Fi (IEEE802.11b/g/n/ax) @ 2.4 GHz (Optional) Wiegand (Input or Output)*1 RS485: ZKTeco RS485*1 USB: Type A (USB Drive Only)*1 Aux Inputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, 12V Output*1	
			<b>Standard Functions</b>	
			ADMS, DST, Photo Capture, Event Photo Capture, Up to 14-digit User ID, Access Levels, Groups, Holidays, Anti-Passback, Record Query, Schedule Bell, Tamper Switch Alarm, Automatic Status Switch, Multiple Authentication Methods, SIP Client (Version 2.0), ONVIF (Compatible with Profile S, Profile T, Profile G, Profile C, Profile Q & Profile A), AC Push and TA Push Protocol Switch, HTTPs / SSH Backend Access, T9 Keyboard (Input)	
			<b>Access Control Interface</b>	
			RS485 ( RS485 Card Reader / Biometric Reader)	
			<b>Power Supply</b>	
			DC 12V 3A	
			<b>Operating Temperature</b>	
			-5°C to 45°C	
			<b>Operating Humidity</b>	
			10% to 90% RH (Non-condensing)	
			<b>Dimensions</b>	
			175.00 mm * 84.50 mm * 21.65 mm (L*W*H)	
			<b>Net Weight</b>	

			0.264 Kg	
			<b>Supported Software</b>	
			Software: ZKBio CVAccess/ZKBioTime Mobile App: ZKBio Zlink Cloud Service: ZKBio Zlink	
			<b>Installation</b>	
			Wall-mount (Compatible with Asia Gang Box / Single Gang Box)	
			<b>Ingress Protection Rating</b>	
			IP65 (waterproof and dustproof)	
			<b>Certifications</b>	
			ISO14001, ISO9001, CE, FCC, RoHS	
			<b>Additional Features Required</b> 1. Two way intercom to be inclusive in the system 2. Electrical opening button (at least provision of two) 3. Display of 14 inch for viewing the visitor from inside the room 4. The system to be provided along with Bio time software 5. Bell mechanism on entrance door for intimating of visitor, inside the room	
2.	Display screen	1	Size: 21 Inch	
			To be used for displaying the visitor video inside the room	
			To be Integrable with the overall biometric access and intercom system	

<u>Warranty</u>	<ul style="list-style-type: none"> <li>1 x year replacement warranty</li> <li>The project will be installed and commissioned by the bidder on turnkey basis</li> </ul>
<u>Acceptance Criteria</u>	<ul style="list-style-type: none"> <li>The bidder shall compulsorily provide a compliance sheet mentioning full compliance/ partial compliance/ non-compliance against every feature mentioned in GSR.(format attached as Anx-C)</li> <li>The bidding firms can request for conducting a survey of the facility before finalizing the equipment/ design.</li> </ul>
<u>Quotation Submission Requirements</u>	<ul style="list-style-type: none"> <li>All bidders are required to compulsorily submit supporting documents with their bids (list attached as Anx-A). Any document missing will render the bidder unqualified.</li> <li>The bidding firms will be subjected to technical scrutiny of the equipment, design offered. Firms qualifying technically will be subjected to financial shortlisting basing on the financial bids submitted. 0</li> </ul>

**Anx-A**

**List of Supporting Documents**

<b><u>Ser</u></b>	<b><u>Supporting Document</u></b>
1.	Equipment offered along with price as per format given at Anx-B
2.	Compliance sheet as per Anx-C

**Anx-B**

**Equipment Offered with Price**

<b><u>Ser</u></b>	<b><u>Equipment/ Services</u></b>	<b><u>Specifications</u></b>	<b><u>Price</u></b>
1.			
2.			
3.	Total price		

Compliance Sheet

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