

## GSR

### **CATH LAB BIOMETRIC ACCESS AND INTERCOM SYSTEM** **(Last Date of Submission: 23 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.

<u>Ser</u>	<u>Eqpt &amp; Type of Revision</u>	<u>Qty</u>	<u>Specifications</u>	<u>Remarks</u>
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 CVAcces/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>	
		<ol style="list-style-type: none"> <li>1. Two way intercom to be inclusive in the system</li> <li>2. Electrical opening button (at least provision of two)</li> <li>3. Display of 14 inch for viewing the visitor from inside the room</li> <li>4. The system to be provided along with Bio time software</li> <li>5. Bell mechanism on entrance door for intimating of visitor, inside the room</li> </ol>	

2.	Display screen	1	<p>Size: 21 Inch</p> <p>To be used for displaying the visitor video inside the room</p> <p>To be Integrable with the overall biometric access and intercom system</p>
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<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

<u>Ser</u>	<u>Supporting Document</u>
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

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

Compliance Sheet

<u>Ser</u>	<u>Eqpt &amp; Type of Revision</u>	<u>Qty</u>	<u>Specifications</u>	<u>Fully complaint/ Partially complaint/ non complaint</u>
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		8,000 (1:N) (Standard)	
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