

PR Name: New Centralized Biometric System
ABC: 929,007.00
Purpose: To modernize the Biometric System by transitioning to a Centralized and Real-time structure, ensuring Mobile Readiness for enhanced accessibility and functionality.

I. Bill of Materials

Item No.	Description	Quantity	OUM	Price	Sub-total
1.0	Biometric Face and Fingerprint Device	25	Unit		
2.0	600VA Uninterruptible Power Supply (UPS)	19	Unit		
3.0	Router/LTE OUTDOOR	7	Unit		
4.0	Router/LTE INDOOR	1	Unit		
5.0	Web Based Time Attendance Software	1	Unit		
6.0	SIM (16gb per month) Two Years	24	Unit		
7.0	Mobile Biometric Workstation Laptop	2	Unit		
8.0	Installation/Deployment and Training on Biometric System Software/Hardware	1	LOT		
	Total				

II. TECHNICAL REQUIREMENTS

1.0 Biometric Face and Fingerprint Device

Feature	Must be Compatible with the Web Based Attendance Software
Face Capacity	1,500
Fingerprint Capacity	2,000
Record Capacity	100,000
Display	2.8-inch TFT Screen
Communication	Ethernet LAN TCP/IP, USB-Host, Wi-Fi (Optional)
Dimension	167.5x148.8x32.2 mm (Length*Width*Thickness)
Net Weight	380g
Warranty	1-Year

2.0 600VA Uninterruptible Power Supply (UPS)

Power Rating	600VA
Input	230 Volts
UPS Type	Line Interactive
Voltage Tolerance	140 – 300 Volts
Protection	Overload, Significant Discharge and Short Circuit
Full Load	360 Watts
Waveform	Step Wave
Connections	2 x Universal Standard Sockets (6A)
Warranty	1 Year

3.0 Router/LTE OUTDOOR

Architecture	ARM 64bit
CPU	88F3720
CPU core count	2
Size of RAM	256 MB
Storage size	16 MB
LTE Category	18 (1.2Gbps Downlink, 150Mbps Uplink)
10/100/1000 Ethernet ports	1
Number of SIM slots	1 Modem (Micro SIM)

4.0 Router/LTE INDOOR

Architecture	ARM 64bit
CPU	IPQ-6010
CPU core count	4
Size of RAM	1 GB
Storage size	128 MB
LTE Category	6 (300Mbit/s Downlink, 50Mbit/s Uplink)
WiFi speed	Wi-fi 6 AX1800
Number of SIM slots	1 Modem (Micro SIM)
10/100/1000 Ethernet ports	4
Number of 2.5G Ethernet ports	1

5.0 Web Based Time Attendance Software

System Architecture	Web-based software that is Compatible with the supplied Biometric Device
Supported Devices	Standalone Device with Attendance PUSH Protocol
Added Features	Customized Printed Duty Hour (Please See Attached in next page)
Authentication Options	Fingerprint / Face / Palm / RFID / Pin
Max. Supported Devices	50
Max. Supported Users	2000
Database	PostgreSQL (Default), MSSQLServer, MySQL
License Type	Perpetual

Civil Service Number .48

Daily Time Record

Name

for the month of: 2023-09-01 -2023-9-30

Official hours for arrival and departure

Regular days:

Saturdays:

DATE	AM		PM		OVERTIME		OT Total	REMARKS
	Arrival	Departure	Arrival	Departure	Arrival	Departure	Hours	
1 Fri								
2 Sat								
3 Sun								
4 Mon								
5 Tue								
6 Wed								
7 Thu								
8 Fri								
9 Sat								
10 Sun								
11 Mon								
12 Tue								
13 Wed								
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21 Thu								
22 Fri								
23 Sat								
24 Sun								
25 Mon								
26 Tue								
27 Wed								
28 Thu								
29 Fri								
30 Sat								
31 Sun								

I Certify on my honor that the above is true and correct report of the work I performed, record in which was made my daily time record of which my daily at the time of arrival at and from department from office.

Signature

Verified as to prescribed office hours

In-Charge

6.0 Sim with Data for Two Years

Sim Type	MicroSim
Data Allocation	16Gb per month
Validity	24 Months (2 Years)
Communication Type	LTE

7.0 Mobile Biometric Workstation Laptop

Generation	Gen 2 or Later
Mil-Spec Test	MIL-STD-810H military test passed
Dimension	324 x 220 x 18.9mm (12.76 x 8.66 x 0.74 inches)
Weight	1.69kg
Case Material	Aluminum (Top) PC + ABS (Bottom)
Color	Black
Processor	Intel Core i5-1135G7 or Higher
Chipset	Intel B560 chipset
Memory	8GB SO-DIMM DDR4- 4200
STORAGE	512GB SSD M.2 2242 PCIe 3.0 x 4 NVMe
Optical Drive	None
Finger Reader	Touch Style
Camera	HD720p
Operating System	Windows 10 Pro 64, English
Display	14" FHD (1920 x 1080) TN 220nits Anti-glare
Graphics	Integrated Intel UHD Intel AX201
Audio	Dolby Audio, Skype for Business-certified mic, 2 x 2W Speakers by Harman Kardon
Ethernet (NIC)	Integrated 100/1000M
WLAN & Bluetooth	Intel AX201 11ax, 2x2 + BT5.2
Keyboard	Full-sized, Backlight
Ports	USB 3.1 Gen 1 (USB-C, with Power Delivery and Display Port Alt mode), USB 3.1 Gen 1, USB 2.0, HDMI 1.4b, RJ45, Headphone/Mic combo
Security	Discreet TPM 2.0 Kensington lock slot, ThinkShutter physical webcam cover
Office	MS Office 2019 Home and Student
Battery	3 Cell 45WH internal
Max Battery Life	MobileMark 2014: 11.9Hr, MobileMark 2018: 8.7Hr
AC Adapter	65W USB-C
Warranty	3 year Onsite

8.0 Installation/Deployment and Training on Biometric System Software/Hardware

Delivery Methods:

- The supplier must install, configure and deploy the Biometric System in all offices and facilities assigned.
- The supplier must configure a centralized Private Network via the Internet and Mobile Data using the Router and Sim Data included in the hardware items listed for all offices and facilities.
- The supplier must provide On-site workshop for hands-on practical sessions.
- Comprehensive coverage of biometric system software and associated hardware.
- Emphasis on system configuration, data security, and best practices.
- Practical exercises on system integration, database management, and performance optimization.
- Real-time Operation: Understanding real-time synchronization and utilization for accurate and updated information.
- Troubleshooting and Maintenance: Strategies for identifying and resolving system issues, along with routine maintenance guidelines.

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