TOURISM PROMOTIONS BOARD PHILIPPINES

TECHNICAL SPECIFICATIONS

SUPPLY, DELIVERY, INSTALLATION, AND CONFIGURATION SERVICES FOR THE DOOR ACCESS CONTROL SYSTEM

I. BACKGROUND

The Tourism Promotions Board (TPB) office has historically relied on manual access controls, which present security, efficiency, and monitoring limitations. With increasing demands for robust security and streamlined management, there is a need to transition to an advanced electronic access control system.

This initiative aims to address the following issues with the current system:

- **Security Risks:** Manual locks and keys can be easily compromised.
- **Inefficiency:** Managing physical keys is time-consuming and prone to errors.
- **Lack of Monitoring:** Traditional systems do not provide real-time access logs or detailed tracking.

The Access Control System Initiative will introduce electronic access points, centralized software, and modern authentication methods to enhance security, improve operational efficiency, and provide better monitoring capabilities. This upgrade is essential for protecting TPB's assets and ensuring a secure working environment.

II. OBJECTIVES

General Objective:

Implementing an advanced electronic access control system that manages and monitors access to various areas within the premises will enhance the security and operational efficiency of the Tourism Promotions Board (TPB) office.

Specific Objectives:

1. **Enhance Security:** Implement advanced technologies to restrict access to authorized individuals and integrate with existing security systems.
2. **Streamline Management:** Automate access permissions and use centralized software for efficient control.
3. **Improve Monitoring:** Enable real-time access tracking and maintain detailed logs for accountability.
4. **Ensure Compliance:** Align with security standards and update policies as needed.
5. **Provide Flexibility:** Design a scalable system with various authentication methods to meet future needs.
6. **Promote Training:** Educate staff on the new system and provide ongoing support.
7. **Increase Efficiency:** Replace manual processes with automated solutions to boost productivity.

III. SCOPE OF WORK

A. Project Overview:

This project aims to enhance the security and operational efficiency of the Tourism Promotions Board (TPB) office by implementing an advanced electronic access control system.

B. Deliverables:

- **System Design and Planning: (Data Structured Network Cabling and Layout)**
  - *Assessment:* Evaluate current access control needs and security requirements.
  - *Design:* Develop a detailed design plan based on the general types of hardware and software provided.
- **Hardware Installation:**
  - *Access Control Devices:* Install access control devices such as card readers, biometric scanners, and keypads at designated entry and exit points.
  - *Installation Infrastructure:* Set up the necessary infrastructure, including power supplies, network cabling, and network connections. Including roughing-ins material
- **Software Deployment:**
  - *Access Control Software:* Deploy centralized software for managing user permissions and monitoring access events. Ensure the software integrates with existing systems if applicable.
- **Authentication Setup:**
  - *Types of Authentication:* Configure authentication methods, including RFID cards, biometric systems, PIN codes, or any updated new technology available on the market.
- **Integration and Testing:**
  - *Integration:* If applicable, integrate the new access control system with existing security systems and office infrastructure.
  - *Testing:* Perform thorough testing to ensure functionality, reliability, and security.
- **Training and Support:**
  - *Training:* Provide training sessions for TPB staff on using the new system.
  - *Support:* Offer ongoing technical support and maintenance for 1 year upon project completion and end-user acceptance.
- **Documentation:**
  - *Documentation:* Prepare comprehensive documentation, including system design, installation procedures, user manuals, and maintenance guides.

C. Project Phases and Timeline

- *Phase 1: Assessment and Planning (2 weeks)*
  - Conduct initial assessments and develop a project plan
- *Phase 2: Design (2 weeks)*
  - Finalize system design based on the defined specifications.

- *Phase 3: Installation and Integration (4 weeks)*
    - Install hardware, deploy software, and integrate with existing systems.
- *Phase 4: Training and Rollout (2 weeks)*
    - Train staff and roll out the system across the office.
- *Phase 5: Maintenance and Support (ongoing)*
    - Provide ongoing support and regular maintenance to ensure continued system functionality maintenance for 1 year upon project completion and end-user acceptance.

Overall, the Project Duration is 10 weeks, excluding ongoing support.

MINIMUM REQUIRED TECHNICAL SPECIFICATIONS

CONTROL PANEL **Quantity: 1 each of the Control Panel**

Details	**Control Panel**	
	A	**B**
Number of Doors Controlled	2 Door	4 Door
Number of Readers Supported	8 (4 RS-485 Reader, 4 26-bit wiegand reader)	12 (8 RS-485 Reader, 4 26-bit wiegand reader)
Types of Readers Supported	26-bit Wiegand and RS485 FR Series Reader	26-bit Wiegand and RS485 FR Series Reader
Number of Inputs	6 (2 Exit Button, 2 Door Status, 2 AUX)	12 (4 Exit Button, 4 Door Status, 4 AUX)
Number of Outputs	InBio-260 Pro: 4 (2-Form C Relay for Lock and 2-Form C Relay for Aux Output)	InBio-460 Pro: 8 (4-Form C Relay or Lock and 4-Form C Relay for Aux Output)
Card Holders Capacity	60,000	
Fingerprint Capacity	20,000	
Log Events Capacity	100,000	
Communication	TCP/IP	
Package Dimension	350(L) × 90(H) × 300(W)mm	
Package Weight	3.6kg	3.7kg
CPU	32 bit 1.2GHz CPU	
RAM	128MB	
Flash Memory	256MB	
Power Supply	9.6V - 14.4V DC	
Operating Temperature	0 - 45 °C	
Operating Humidity	20% to 80%	

BIOMETRIC **Quantity: 1**

Display	5-inch Touch Screen
Face Capacity	6,000
Palm Capacity	3,000
Fingerprint Capacity	6,000 (Standard); 10,000 (Optional)
Card Capacity	10,000
Transactions	200,000
Operation System	Linux
Standard Functions	ID Card, ADMS, T9 Input, DST, Camera, 9-digit User ID, Access Levels, Groups, Holidays, Anti- passback, Record Query, Tamper Switch Alarm, Multiple Verify Modes.
Hardware	900MHz Dual Core CPU, Memory 512MB RAM / 8G Flash, 2MP WDR Low Light Camera, Adjustable Light Brightness LED
Communication	WiFi, TCP/IP, Wiegand input / output, RS485
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button, Alarm output, Auxiliary Input
Optional Function)	13.56MHz IC Card (MF
Facial Recognition Speed	≤1s
Biometrics Algorithms	ZKFace V5.8 & ZKFinger V10.0 & ZKPalm V12.0
Power Supply	12V 3A
Operating Humidity	10% - 90%
Operating Temperature	-10°C ~ 45°C (14°F ~ 113°F)
Dimensions (W*H*D)	91.93 * 202.93 * 21.5 (mm)
Supported Softwares	ZKBioAccess

FINGERPRINT READER **Quantity: 6**

CPU	324MHz
Sensor	ZK small-sized sensor
Communication	RS485
Standard Function	ID Card Module
Optional Function	MF Card Module
Voice Prompt	Buzzer
Working Voltage	12VDC
Working Temperature	0°C ~ 45°C
Protection Grade	IP65
Size	Height: 102mm Width: 50mm Depth: 37mm

POWER SUPPLY **Quantity: 6**

- Power supply with battery leads
- Input: 220V AC, 50Hz (110V optional)
- Output: 12V DC, 5A
- 12V 7Ah battery not included

EMERGENCY BREAK GLASS **Quantity: 6**

Dimensions (L*W*H)	86*86*52 (mm) (±1mm)
Current Rating	AC 125 to 250V,3A
Material	Fireproof Material
Output Contact	NO/NC/COM
Operating Temperature	-10°C to 55°C
Operating Humidity	0% to 95% (relative humidity)

NO TOUCH EXIT SWITCH **Quantity: 6**

Dimensions	115Lx70Wx29H(mm)
Input	DC12V
Contact Rating	12-28V,3A
Output Contact	NO/NC/COM
Mechanical Life	500000 tests
Suitable for Door	Hollow Door
Operating temp	-20℃～+55℃(14-131F)
Detection range	0.1-10cm
LED Indicator	White LED indicator: Power OFF Blue LED indicator: Power ON(standby) Red LED indicator: Power ON(sensation)
Weight	0.18kg
Others	Remote Key

ELECTROMAGNETIC LOCK **Quantity: 6**

Working Voltage	DC12V/24V input
Working Current	500mA/250mA
Operating Temperature	-10~+55℃（14-131F）
Operating Humidity	0-90%
Holding Force	270kg
Weight	1.97kg
Size	253*25*48mm

BRACKET

Type	Quantity
L	**6**
Z	**6**

IV. PROJECT IMPLEMENTATION SCHEDULE

The project will commence upon receipt of the Notice to Proceed (NTP) by the Bidder, the Bidder's signed acknowledgment, and the document's return to TPB. The project will end upon the issuance of the final User Acceptance Test (UAT) of the end-user.

V. ADDITIONAL TECHNICAL REQUIREMENTS

- Must be an ICT Company operating for at least five (5) years, experienced in dealing with different government offices and private companies.
- Must provide a Reseller Certificate for the proposed product.
- Must provide brochures or images of the proposed product.
- Must have experience in integrating systems and servers using SangFor Technologies. Must provide Sangfor certification for the following
    - For the Personnel – must provide Sangfor Network or Server Certification
    - For the Bidder – must provide a reseller certificate of SangFor Technologies.

VI. APPROVED BUDGET FOR THE CONTRACT (ABC)

The ABC is **Six Hundred Eighty Thousand Pesos only (PhP680,000.00)** inclusive of all applicable fees and taxes.

VII. TERMS OF PAYMENT

Payment will be made through a send-bill arrangement and settled within thirty (30) calendar days of receipt of the statement's billing.

Payments will be made through a Landbank of the Philippines (LPB) deposit. If the supplier does not have an LBP account, the supplier will shoulder bank charges.

VIII. CONTRACT DURATION

The contract shall commence from the acceptance of the Notice to Proceed (NTP) until the full implementation of the project.

IX. PROJECT OFFICER AND ALTERNATE PROJECT OFFICER:

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