

TERMS OF REFERENCE

(NEGOTIATED PROCUREMENT)

FOR THE PROCUREMENT OF A QUALIFIED SERVICE PROVIDER TO INSTALL, SUPPLY AND CONFIGURE A RADIO FREQUENCY IDENTIFICATION (RFID)-BASED ACCESS CONTROL MANAGEMENT MONITORING SYSTEM FOR THE PHILIPPINE PORTS AUTHORITY, PMO-BATAAN/AURORA, PORT OF LAMAO, BRGY. LAMAO, LIMAY, BATAAN.

1. RATIONALE

- 1.1 This Terms of Reference is prepared to guide prospective bidders in a public and competitive bidding through alternative mode for the procurement of a qualified service provider to install, supply and configure a RFID-Based Access Control Monitoring Management System for the Philippine Ports Authority Port Management Office-Bataan/Aurora, Port of Lamao, Barangay Lamao, Limay, Bataan.
- 1.2 This is in consistent with existing Philippine regulations on competitiveness, transparency, streamlining and use of technology in procurement, accountability, and public monitoring under Republic Act No. 9184 and its Revised Implementing Rules and Regulations.

2. PURPOSE

- 2.1 To appoint a qualified service provider and procure using competitive bidding process through negotiated procurement method to install, supply and configure an RFID-Based Access Control Monitoring Management System for the Philippine Ports Authority Port Management Office-Bataan/Aurora, Port of Lamao, Barangay Lamao, Limay, Bataan;
- 2.2 To monitor the entry/exit of persons/vehicles through a dependable technology-based approach; and
- 2.3 To reduce human intervention on access control measures for Port of Lamao using a fool-proof RFID technology.

3. SCOPE OF WORK AND DELIVERABLES' SPECIFICATIONS

- 3.1 Bidders are invited to supply, install and configure the following access monitoring control systems:
 - 3.1.1 Access Control Monitoring Management System
Can detect, monitor and record access of persons and vehicles in Port of Lamao using technology-based approach (RFID system) and in real-time
 - 3.1.2 Point Over Ethernet (POE) switch for computer wireless network
Enclosure Type: Desktop
Subtype: Gigabit Ethernet
Ports: 5x10/100/1000 (PoE)

Power Consumption Operational: 60 Watt
Remote Management Protocol: HTTP
Status Indicators: 1000M device connected, link/activity
Features: 24KV ESD Protector, Jumbo Frames support, Rapid Spanning Tree Protocol (RSTP); wall mountable casing
RAM: 64MB

3.1.3 WIFI CPE Bridge Antenna

Processor Specs: Theros MIPS 24KC, 400MHz
Memory : 64MB SDRAM, 8G Flash
Networking Interface: 1x10/100 BASE-TX (Cat 5, RJ-45) Thernet Interface
Features: Specifically designed for outdoor Point to Point bridging and PTMP Airmax base-station applications; Rugged, hi-power, very linear 2x2 MIMO radio with enhanced receiver performance
Power Supply: 24V,1A POE Supply Included
Max. Power Consumption: 8 watts
Power Method: Passive Power over Thernet (pairs 4,5; 7,8 return)
Operating Temperature: -30C to 75C
Operating Humidity: 5 to 95% Condensing
Operating Frequency: 5470-5825 MHz

3.1.4 Network Video Recorder (NVR)

Supports Two Channels of IP Video, at 4MP Reso (2688x1520); 2-ch up to 4MP resolution; VGA, 1-ch 30 Hz: 4K (3840x2160)/ 1-ch, 60 Hz: 2K (2560 x 1440), 1920x1080, 1280x1024, 1280x720, 1024x768

Mainstream: 3MP@15fps; 1080p/720p/WD1/4CIF/VGA/CIF@25fps(P)/3030 fps(N)

3.1.5 RFID PVC Card Printer

Print Technology: 300dpi dye sublimation/rewritable
Card Thickness: 0.51mm to 1.02mm (20 mil to 40 mil)
Printer interface: USB rev.1.1/USB 2.0, Ethernet
Drivers/software max: windows 10
Operating environment: sheltered office environment 10C-30C

3.1.6 Access Control Monitoring Management System Layout Plan in original copy (duly prepared/signed by a licensed Professional Electronics Engineer (PECE)).

4. MINIMUM TRACK RECORD

- 5.1 In consideration of the basic role of the proposed project in the operation, management and administration of seaport access control and monitoring, the PPA PMO-Bataan/Aurora desires a bidder who has completed at least a single contract (whether small value, negotiated or regular) that is similar to the bid. A similarly awarded contract must be a port security-related monitoring contract and technology-based.

5. OBLIGATIONS AND RESPONSIBILITIES

Bidder/s shall:

- 5.1 Conduct a physical site-inspection / assessment in Port of Lamao, Brgy. Lamao, Limay, Bataan prior submission of bids;
- 5.2 Describe and explain the operational and administrative concepts on:
 - 6.2.1 Vehicle and Pedestrian Access
 - 6.2.2 Conceptual Diagram
 - 6.2.3 Alarm and Monitoring
 - 6.2.4 Violation System
 - 6.2.5 System Illustration
 - 6.2.6 Operation and Maintenance
- 5.3 Provide and submit an original copy of Access Control Monitoring Management System Lay-out Plan duly prepared and signed by a PECE upon completion of the project;
- 5.4 Deploy a licensed PECE to oversee the project;
- 5.5 Provide their own tools and supplies related to the project;
- 5.6 Constantly coordinate with the Port Police Division on the duration of the project;
- 5.7 Ensure a high-level confidentiality of all processes, concepts of the project, and voluntarily cause the turnover, without delay of all documents (softcopy and hardcopy) used on the duration of the project after its completion;
- 5.8 Comply with all the provisions of the contract and contract documents. Non-compliance with or violations of any of its obligations and responsibilities shall be a ground for rescission, cancellation and/or termination of the Contract after due notice.

PPA PMO-Bataan/Aurora shall:

- 5.9 Issue a Certificate of Actual Site-Inspection (Port Police Division);
- 5.10 Award the project contract to the bidder pursuant to Republic Act No. 9184 and its IRR;
- 5.11 Ensure the availability of funds for the project; and
- 5.12 Provide free electricity on related activities like on testing and operation the proposed project.

6. EVALUATION METHODOLOGY

- 6.1 A best and final offer for the project are presumed to be VAT-included and shall not exceed the adjusted ABC of 1,700,000.00 Philippine currency; and shall meet the minimum technical specifications indicated item 4.1.
- 6.2 Sealed bids shall also contain a valid and current Mayor's/Business Permit, PhilGEPS Registration Number, Income/Business Tax Return and Omnibus Sworn Statement. It shall be submitted in person, through mail or courier to PPA PMO Bataan/Aurora Port Operations Bldg. Port of Lamao addressed to Mr. Gualberto E. Angeles, BAC Chairman

7. COMMITMENT TO DELIVER THE REQUIRED ACCESS CONTROL MONITORING MANAGEMENT SYSTEMS

- 7.1 The successful bidder must complete the project within ninety (90) days from the date of the awarding of the contract; and
- 7.2 The concepts described in item 6.2 shall be complied with.

8. CLOSING DATE

- 8.1 Sealed Bids/RFQs/RFPs shall be submitted within the given deadline. No late bids/proposals will be accepted.


9. MAINTENANCE SERVICE LEVEL AGREEMENT

- 9.1 In case of defects/damages, winning bidder are required availability of spare parts and software as indicated in item 4 of this Terms of Reference within six (6) months after expiration of warranty; and
- 9.2 Participating bidder/s must indicate the required ten (10) days maximum response time upon notice of immediate repair and technical support to service the structured cabling related problems and peripherals.


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