



Bid Notice Abstract

Request for Quotation (RFQ)

Reference Number 12463839
Procuring Entity DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES XII PENRO CO
Title Server Room Construction and Network Infrastructure Upgrade of PENRO Cotabato
Area of Delivery Cotabato

Solicitation Number:	2025-015	Status	Active
Trade Agreement:	Others		
Procurement Mode:	Shopping - Ordinary/Regular Office Supplies & Equipment (Sec. 52.1.b)	Associated Components	1
Classification:	Civil Works	Bid Supplements	0
Category:	Construction Projects		
Estimated Budget for the Contract:	PHP 1,370,000.00	Document Request List	1
Delivery Period:	30 Day/s		
Client Agency:		Date Published	08/10/2025
Contact Person:	RADZAK B SINARIMBO PENRO DENR Compound Quirino Drive Kidapawan City Cotabato Philippines 9400 63-64-5771412 63-64-5771412 pcotbacsecretariat24@gmail.com	Last Updated / Time	08/10/2025 00:00 AM
		Closing Date / Time	16/10/2025 12:00 PM

Description

Rehabilitation/construction of ICT Server Room and Network infrastructure upgrade
 Scope of Work

1. Server Room Construction and Partitioning

- Partitioning: Construct a new server room with dimensions of 10x7 Square Feet. The walls will be a glass partition to provide visibility while maintaining a secure environment.
- Access Control: Install an automated door lock (biometric/password unlock) system on the server room door for restricted access.
- Wall Repainting: Repaint the interior walls of the server room using two shades of gray: ANSI 49 and ANSI 61.

2. Physical Security and Surveillance

- CCTV Installation: Install a total of 16 IP Cameras (CCTV) at strategic locations around the PENRO Office to ensure comprehensive security coverage. The cameras will be integrated into the existing network. Additional DVR and NVR should be considered.

3. Network Infrastructure and Cabling

- Data Cabinet: Install one 24U data cabinet inside the new server room to house network equipment.
- Structured Cabling: Perform structured cabling for 60 network nodes. This includes both existing and proposed/additional nodes within the office, ensuring a clean and organized network layout.
- Access Points: Install and configure 6 Access Points (APs) at various locations throughout the PENRO Office to provide reliable Wi-Fi coverage.
- Network Switches: Install two network switches within the data cabinet:
 - o One 48-port distribution switch.
 - o One 24-port switch.
- Decommissioning: Decommission all old network cables to eliminate clutter and potential points of failure, ensuring a clean and efficient network environment.

4. Power and Connectivity

- Power Outlets: Install additional power outlets inside the server room to support new equipment, including switches, servers, and cooling systems.
- UPS Installation: Install and configure two Uninterruptible Power Supply (UPS) units to ensure continuous power for critical equipment:
 - o One 3kVA UPS.
 - o One 1000VA UPS.

- Fiber Optic Connection: Establish a new fiber optic connection between the new server room and the Technical Building to provide high-speed, reliable data transfer.
- SFP Transceivers: Install two SFP transceivers to facilitate the fiber connection—one in the server room and one in the Technical Building.

5. Network Equipment and Configuration

- Load Balancer: Install and configure a load balancer to efficiently distribute network traffic, improving system performance and reliability.
- System Configuration: All new equipment, including switches, access points, Network Attached storage and the load balancer, will be configured to integrate seamlessly with the existing network infrastructure.

Pre-bid Conference

Date	Time	Venue
14/10/2025	1:00:00 PM	DENR Compound Quirino Drive Kidapawan City Cotabato Philippines 9400

Created by RADZAK B SINARIMBO

Date Created 07/10/2025

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