



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Provincial Environment and Natural Resources Office
Agusan del Norte



REQUEST FOR QUOTATION/ PROPOSAL
(thru NEGOTIATED PROCUREMENT under SMALL VALUE PROCUREMENT , Sec. 53.9)
(GOODS)

PR NO: 2025-12-309
PR DATE: 12/02/2025
END-
USER: P-ADN (I.C.T)
ABC: P1,272,000.00

MODE OF PROCUREMENT: SMALL VALUE PROCUREMENT
RFQ NO: 2025-12-182
DATE PREPARED: 12-03-2025
CLOSING DATE: 12-08-2025
CLOSING TIME: 08:00AM

Dear Sir/Ma'am

The Department of Environment and Natural Resources PENRO-ADN, Brgy. Tiniwisan, Butuan City is inviting of known qualificationssuppliers/distributors/contractors for a bid proposals covering the hereunder project:

ITEM NO	ARTICLE DESCRIPTION	QTY	UNIT	DENR ABC		SUPPLIER'S QUOTED PRICE (Php)	
				UNIT COST	TOTAL COST	Unit Price	Total Price
	PROCUREMENT OF ICT SERVICES FOR THE INSTALLATION OF STRUCTURED CABLING AND ESTABLISHMENT OF THE NEW ICT ROOM WITH ADJACENT SERVER ROOM OF DENR-PENRO AGUSAN DEL NORTE						
	A. Civil Works, Architectural Finish, and Relocation Area Setup				197,000.00		
1	Glass Cubicle Partition for Server Room - Perimeter: 5m, Height: 3m - 1 Glass Swing Door (80x210cm) installed with Access Control Door System - Brown Aluminum-framed partition (1-3/4" x 3") with 1/4" thick clear glass tinted with smoke film design	1	lot				
2	Glass Partition for ICT Room - Fixed Glass, Brown Aluminum Frame with Smoke Film Design - Width: 8m, Height: 3m - 1 Glass Swing Door (90x210cm) installed with Access Control Door System - Note: Costing includes the removal of 1 Old Glass Door and transfer it to the adjacent room	1	lot				

3	Newly painted ICT Room - Two shades of gray - ANSI 61 (primary color) and ANSI 49 (accent/trim color) - Liquid Tile Finish - Wall Area: Approx. 64 sq.m.	1	lot				
4	Raised Flooring System for Server Room - Steel Framed 3/4 Marine Plywood Flooring with Anti-Static Matting - Dimension: 170cm x 190cm - minimum 200mm height (for cable management & equipment safety)	1	lot				
B. ICT Unit Office Space Outfitting					113,400.00		
1	Provision of Customized L-Shape Office Workstation Desks - 3/4" laminated plywood tabletop - Sturdy steel frame - Coated with black epoxy primer - Dimension: 140 x 100 x 60cm, height: 75cm	3	pcs				
2	Provision of the Modified Table for Repair Station - Made of sturdy steel frame (2x2" and 2x1" Tubular Steel) - Coated with black epoxy primer - 3/4" laminated plywood tabletop - With Steel Peg Board Attached - With 8 Gang Universal Outlet - With 2 Downlight Outlet - With Overhead shelf - Dimension: 240 x 60 x 130cm	1	lot				
3	Provision of Printing Station Cabinet/Table - suitable for Wide Format printers (A3) - Dimension: 120*35*60cm	1	lot				
4	Provision Ergonomic Office Chairs - High load bearing capacity	4	pcs				
5	Provision of CCTV Control Cabinet - suitable for housing the Network Video Recorder (NVR) and 25" Display Monitor - Dimension: 120*35*90cm	1	lot				
C. New Server Room Dedicated Infrastructure					716,500.00		
Power and Electrical Works							
1	Supply and Installation of a Dedicated Panel Board (DPB) - configured with six (6) specified branch circuits (LO, CO, PoE CO, ACU, Main, Spare) - Conforming to the latest Philippine Electrical Code						

	Integration to Existing Generator Set Line - Appropriate Wire Size for tapping	1	lot				
	Installation of Centralized Power Supply for PoE Switches						
	Installation of a Grounding and Bonding System for all racks and equipment.						
	Installation of appropriate lighting fixtures & electrical outlets - 4 Lighting Outlets - 6 Convenience Outlets - 8 PoE CO - 1 ACU Outlet						
2	Supply and Installation of 3KVA Uninterruptible Power Supply (UPS) – Critical Load - including all necessary wiring and battery setup - inverter, solar power ready	1	lot				
	Cooling System:						
3	Supply and installation of a 1.5 HP Air Conditioning Unit - Split-type unit that has the capacity to maintain 20°C to 22°C temperature and 40% to 50% humidity range.	1	lot				
	Fire Detection and Safety						
4	Installation Photoelectric Smoke Detectors - Smoke sensor alarm - Comes with long-lasting 9V Battery - Battery warranty: 2 Years	3	sets				
	Door Access						
5	Supply and Installation of Smart Access Control Door System - Multiple Unlocking Methods (Fingerprint, Password, RFID Card, Phone Remote Control & Mechanical Key) - Built-in Doorbell & Emergency Port, 4200mAH lithium battery, Aluminum alloy material	1	lot				
	Data Cabinets and Containment						
6	Supply and installation of Data Cabinets/Racks and all necessary components - 24U/27U with proper cable management accessories. - Floor Mounted - 2x Cat6A 24U Patch Panel - 2x Rack Mount Cable Manager (2U) - 1x Universal Tray - 2x Rack Mount Power Distribution Unit, 8 Universal Outlets	1	lot				
	Network Distribution Devices						

7	Distribution Switch 24 (Compatible with Unifi Controller) - Layer 3 switch, 24 Port (16 PoE+; 8 PoE++) - (2) 10G/1G SFP+ ports - 400W total PoE availability - DC power backup-ready - Layer 3 switching	1	pc				
8	10 Gbps Router (Compatible with Unifi Controller) - Ports: 8 (1GbE RJ45), 1 (2.5 GbE RJ45), 2 10G SFP+ - 10 Gbps Throughput, 5 Gbps IDS/IPS - 200+ Manage Devices - 2000+ Simultaneous Users Connected - Rack mount (1U) - Redundant NVR Storage	1	pc				
9	Fiber Optic Transceiver - 10G SFP+ Module, Multi-mode	4	pcs				
	Wireless Access Points						
10	Supply and installation of Wireless Access Points - (Compatible with Unifi Controller) with POE Adapter - Wifi6 AP, Dual-radio 2.4/5 GHz - 250+ Connected Devices - Coverage: 140 sq.m.	6	pcs				
	CCTV Security System						
11	Supply and installation 32CH Network Video Recorder (NVR)	1	pc				
12	4MP COLORVU Fixed Dome Network Camera (2.8mm)	8	pcs				
13	4MP COLORVU Fixed Bullet Network Camera (2.8mm)	8	pcs				
14	CCTV Display Monitor 55"	1	pc				
15	Display Monitor 25"	1	pc				
16	Dual Monitor Mount Stand	2	pcs				
17	8TB Surveillance HDD Storage	1	pc				
18	Waterproof CCTV Junction Box Enclosure	16	pcs				
19	8 Port PoE Switch	2	pcs				
	D. Structured Cabling System Implementation				245,100.00		
1	Supply and installation of the Fiber Optic Backbone Cable - Multimode fiber optic cables with necessary connectors - serve as the high-speed link from the main Server Room to any necessary Distribution Frames (IDFs). - 2" Slotted Cable Raceway	3	drops				

2	Supply and installation of heavy-gauge Copper Data Backbone - Category 6A Data Cable - serve as the high-speed link from the main Server Room to secondary switches	3	drops				
3	Supply and installation of Data Node Drop - individual Category 6 UTP cable runs from the Server Room patch panels to designated user workstations and permanent data points throughout the office. - RJ45 UTP Coupler Patch Panel - Information Outlet/Faceplate - Run through White PVC Moulding (1"-2", depends on the numbers of cable	42	drops				
4	Supply and installation of Access Point Drop - Category 6 (or better) UTP cable runs specifically for Wireless Access Points (WAPs). - These runs must be terminated and installed in locations suitable for ceiling/wall mounting of WAPs, capable of supporting Power over Ethernet (PoE).	6	drops				
5	Supply and installation CCTV Camera and VOIP Drop - Category 6 (or better) UTP cable runs dedicated for security and voice services. - These drops are intended to support CCTV Cameras and Voice over IP (VOIP) phones, and must be capable of supporting PoE as required by the devices.	34	drops				
6	Decommissioning and Disposal of Old Network Infrastructure - Cable Removal of obsolete/unused network data cables - Carefully remove all legacy network components - Patching/Repair of any holes or openings	1	lot				
	Total						
	Documentary Requirements: (to be submitted together with the proposal)						
	1. Mayor's/Business Permit;						
	2. PhilGEPS Reg. Number/PhilGEPS Certificate;						
	3. DTI Registration Certificate;						
	4. Land Bank Account						
	TOTAL					1,272,000.00	

The Procuring Entity is inviting all suppliers/distributors/contractors to submit on specified date, a FINAL PROPOSALS from a legally, technically and financially capable suppliers/distributors/contractors.

and should not exceed the ABC.

Interested suppliers/distributors/contractors may obtain application forms and further information from 8:00 A.M to 5:00 P.M., Monday to Friday at the BAC Secretariat's Office, DENR PENRO-ADN, Brgy. Tiniwisan Butuan City.

The deadline for the submission of bid proposals will be on Dec. 08, 2025 Qualified proposals will be notified of award and contract execution.

The Department of Environment and Natural Resources PENRO-ADN has the rights to reject any proposals, annul, or not award the contract at any time prior to contract award, without thereby incurring any liability to the affected suppliers/distributors/contractors in accordance with Sec.41 of Revised IRR9184


DMO-V/Chief TSD
BAC, Chair

Signature Over Printed Name

Company Name

Address

Canvass By:

Tel No. /Cellphone No. / e-mail address

TERMS AND CONDITIONS

1. Service Providers shall provide correct and accurate information required in this form
2. Service Providers may quote for any or all items, unless otherwise stated.
3. Price quotation/s must be valid for a period of sixty (60) calendar days from the closing date.
4. Price quotation/s, to be dominated in Philippine Pesos shall include all taxes, duties and/or levies payable.
5. Price quotations exceeding the Approved Budget for the Contract shall be rejected.
6. Award of Contract shall be made to the lowest calculated and responsive offer which complies with the minimum technical specifications and other terms and conditions stated herein.
7. Any alteration, erasures or overwriting shall be valid only if they are initialed by the authorized representative of the Service
8. The item/s and/or services shall be delivered according to the requirements specified herein/attached Terms of Reference.
9. The DENR shall have the right to review/examine submissions relative to the project to confirm conformity to the project requirements
10. Payment shall be made in accordance with the Terms of Conditions of the Contract.
11. Liquidated damages equivalent to one tenth of one percent (0.1%) of the value of contract not delivered within the prescribed completion period shall be imposed per day of delay. The DENR may rescind the Contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the Contract, without prejudice to other courses of action and remedies open to it





TERMS OF REFERENCE (TOR)

PROCUREMENT OF SERVICES FOR THE INSTALLATION OF STRUCTURED CABLING AND ESTABLISHMENT OF THE NEW ICT ROOM WITH SERVER ROOM OF DENR-PENRO AGUSAN DEL NORTE

I. ABSTRACT

Title of the Project : **PROCUREMENT OF ICT SERVICES FOR THE INSTALLATION OF STRUCTURED CABLING AND ESTABLISHMENT OF THE NEW ICT ROOM WITH ADJACENT SERVER ROOM OF DENR-PENRO AGUSAN DEL NORTE**

Approved Budget for the Contract (ABC) : **₱ 1,272,000.00**

Project Period : **90 Calendar Days**

II. BACKGROUND

The Department of Environment and Natural Resources - Provincial Environment and Natural Resources Office (DENR-PENRO) Agusan del Norte recognizes the critical role of a robust and secure Information and Communications Technology (ICT) infrastructure in fulfilling its mandate for effective environmental governance and public service delivery.

The current ICT Unit and facility are presently housed in a severely constrained space located on the ground floor, measuring approximately 3m x 5m. This inadequate setup presents several operational challenges, including:

- **Suboptimal Working Conditions:** The limited space hampers the ability of the ICT Unit personnel to function efficiently and collaboratively.
- **Lack of Dedicated Facilities:** The current room serves a dual purpose, lacking a separate, climate-controlled Server Room to safely house mission-critical data and network equipment. Furthermore, there is no dedicated repair or staging station, complicating equipment maintenance and deployment.
- **Security and Performance Risks:** The existing infrastructure arrangement does not meet current industry standards for data security, equipment longevity, and system performance required for continuous operation.

To address these critical deficiencies and ensure a future-proof ICT environment, the office has adopted the recommendation of the Network Infrastructure Management Division - Knowledge and Information Systems Service (NIMD-KISS) to relocate the entire ICT Unit to the upper floor (specifically the 2nd floor).

This Procurement of Services is therefore initiated to establish a new, standards-compliant ICT Room and a dedicated Server Room on the proposed 2nd-floor location, including the installation of a comprehensive structured cabling system throughout the office. This relocation and upgrade are essential to provide a secure, functional, and efficient backbone for all PENRO operations.

III. PROJECT OBJECTIVES

The primary objectives of this procurement are to ensure the successful and professional establishment of a modern, efficient, and secure ICT infrastructure for DENR-PENRO Agusan del Norte, specifically:

Establish a Standards-Compliant ICT/Server Facility:

- To design, construct, and fully equip a new, dedicated, and secure Server Room at the proposed 2nd-floor location, adhering strictly to international best practices concerning security, cooling, power, fire suppression, and environmental controls.
- To establish a separate, functional ICT Unit Office Space adjacent to the Server Room that provides adequate workspace, a dedicated equipment repair/staging station, and ergonomic conditions for personnel.

Achieve Interior Uniformity and Professional Finish:

- To ensure all newly constructed or renovated interior office spaces (including walls, ceilings, and architectural elements) are finished with a uniform office paint color scheme consisting of two shades of gray: ANSI 49 and ANSI 61.

Implement a Structured Cabling System:

- To supply, install, terminate, and test a complete, end-to-end Category 6 Structured Cabling System throughout the PENRO ADN facility, ensuring network establishment standards.
- To ensure the seamless integration of all new cabling components with the network equipment housed in the new Server Room.

Ensure System Reliability and Redundancy:

- To provide and install reliable power and cooling solutions within the Server Room to guarantee 24/7 continuous operation and safeguard critical government data and assets.

III. QUALIFICATION OF SERVICE PROVIDER

- A. Service Providers must be at least six (6) years in the field of structured/network cabling, and/or establishment / renovation/ rehabilitation of ICT facilities.
- B. Service Provider must have at least:
 - a. Two (2) Certified Fiber Optic Technician (NC II) all must be employed in the company at least one (1) year.
- C. Service Provider must have a project management team to assure smooth implementation of the project: composed of at least one (1) Project Manager with at least five (5) years' experiences in project management and employed in the company for three (3) years, and one (1) Assistant Project Manager with two (2) years' experiences in project management and employed in the company for two (2) years.
- D. Service Provider must have a 24/7 helpdesk system via phone and email support that includes:
 - a. Single point of Contact for Problem Reporting
 - b. Technical Engineer Dispatch Facility
 - c. Case Logging and Monitoring
 - d. Technical Support History and Reporting

IV – PROJECT DELIVERABLES

A. SCOPE OF WORK

The Contractor shall be fully responsible for the **Design, Supply, Delivery, Installation, Configuration, Testing, Commissioning, and Documentation** required to establish the new ICT infrastructure at the DENR-PENRO Agusan del Norte, 2nd-floor location.

1. Civil Works, Architectural Finish, and Relocation Area Setup

This section covers the physical construction and outfitting of the designated 2nd-floor area, encompassing both the secure Server Room and the adjacent ICT Unit Office Space.

No.	Description	QTY	UNIT
1	Glass Cubicle Partition for Server Room - Perimeter: 5m, Height: 3m - Glass Swing Door (80x210cm) installed with Access Control Door System - Brown Aluminum-framed partition (1-3/4" x 3") - 1/4" thick BROWN glass tinted with smoke film design	1	LOT
2	Glass Partition for ICT Room - Brown Aluminum-framed partition (1-3/4" x 3") - 1/4" thick clear glass tinted with smoke film design - Width: 8m, Height: 3m - 1 Glass Swing Door (90x210cm) installed with Access Control Door System - <i>Note: Costing includes the removal of 1 Old Glass Door and transfer it to the adjacent room</i>	1	LOT
4	Newly painted ICT Room - Two shades of gray - ANSI 61 (primary color) and ANSI 49 (accent/trim color) - Liquid Tile Finish - Wall Area: Approx. 64 sq. m.	1	LOT
5	Raised Flooring System for Server Room - Anti-Static Matting - Dimension: 170cm x 190cm - minimum 200mm height (for cable management & equipment safety)	1	LOT

2. ICT Unit Office Space Outfitting

No.	Description	QTY	UNIT
1	Provision of Custom L-Shape Technical Workstation Desks - 3/4" laminated plywood tabletop - Sturdy steel frame - Coated with black epoxy primer - Dimension: 140 x 100 x 60cm, height: 75cm	3	PCS
2	Supply and Custom Installation of the Modified Table for Repair Station - Made of sturdy steel frame (2x2" and 2x1" Tubular Steel) - Coated with black epoxy primer - 3/4" laminated plywood tabletop - With Steel Peg Board Attached - With 8 Gang Universal Outlet - With 2 Downlight Outlet - With Overhead shelf - Dimension: 240 x 60 x 130cm	1	LOT
3	Provision of Printing Station Cabinet/ Table - suitable for Wide Format printers (A3) - Dimension: 120*40*54cm	1	PC
4	Provision of CCTV Control Cabinet - suitable for housing the Network Video Recorder (NVR) and 25" Display Monitor - Dimension: 120*40*80cm	1	PC
5	Provision Ergonomic Office Chairs - High load bearing capacity - 135° leaning backward - widen pillow and comfortable cushion	4	PCS

3. New Server Room Dedicated Infrastructure

No.	Description	QTY	UNIT
	Power and Electrical Works		
1	Installation of dedicated, isolated electrical distribution system - Conforming to the latest Philippine Electrical Code	1	LOT
	Supply and Installation of a Dedicated Panel Board (DPB) - configured with six (6) specified branch circuits (LO, CO, PoE CO, ACU, Main, Spare)		
	Integration to Existing Generator Set Line - Appropriate Wire Size for tapping		
	Installation of Centralized Power Supply for PoE Switches		
	Installation of a Grounding and Bonding System for all racks and equipment.		

	Installation of appropriate lighting fixtures & electrical outlets - 7 Lighting Outlets - 6 Convenience Outlets - 8 PoE CO - 1 ACU Outlet		
2	Supply and Installation of 3KVA Uninterruptible Power Supply (UPS) – Critical Load - including all necessary wiring and battery setup - inverter, solar power ready	1	PC
	Cooling System:		
3	Supply and installation of a 1.5 HP Air Conditioning Unit (PACU) - Split-type unit that has the capacity to maintain 20°C to 22°C temperature and 40% to 50% humidity range.	1	LOT
	Fire Detection and Safety		
4	Installation of a Fire Detection and Alarm System (FDAS) - Photoelectric Smoke Detectors	1	PC
	Door Access		
5	Supply and Installation of Smart Access Control Door System - Multiple Unlocking Methods (Fingerprint, Password, RFID Card, Phone Remote Control & Mechanical Key) - Built-in Doorbell & Emergency Port, 4200mAh lithium battery, Aluminum alloy material	1	PC
	Data Cabinets and Containment		
6	Supply and installation of Data Cabinets/Racks and all necessary components - 24U/27U with proper cable management accessories. - Floor Mounted - 2x Cat6A 24U Patch Panel - 2x Rack Mount Cable Manager (2U) - 1x Universal Tray - 2x Rack Mount Power Distribution Unit, 8 Universal Outlets	1	LOT
	Network Distribution Devices		
7	Distribution Switch 24 (Compatible with Unifi Controller) - Layer 3 switch, 24 Port (16 PoE+; 8 PoE++) - (2) 10G/1G SFP+ ports - 400W total PoE availability - DC power backup-ready - - Layer 3 switching	2	PCS
8	10 Gbps Router (Compatible with Unifi Controller) - Ports: 8 (1GbE RJ45), 1 (2.5 GbE RJ45), 2 10G SFP+ - 10 Gbps Throughput, 5 Gbps IDS/IPS - 200+ Manage Devices - 2000+ Simultaneous Users Connected - Rack mount (1U) - Redundant NVR Storage	1	PC
9	Fiber Optic Transceiver - 10G SFP+ Module, Multi-mode	4	PCS

Wireless Access Points			
10	Supply and installation of Wireless Access Points - (Compatible with Unifi Controller) with POE Adapter - Wifi6 AP, Dual-radio 2.4/5 GHz - 350+ Connected Devices - Coverage: 140 sq.m.	6	PCS
CCTV Security System			
11	Supply and installation 32CH Network Video Recorder (NVR) - 80 Mbps, 2 SATA, IP Camera compatible	1	PC
12	4MP COLORVU Fixed Dome Network Camera (2.8mm)	8	PCS
13	4MP COLORVU Fixed Bullet Network Camera (2.8mm)	8	PCS
14	CCTV Display Monitor 55"	1	PC
15	Display Monitor 25"	1	PC
16	Dual Monitor Mount Stand	2	PCS
17	8TB Surveillance HDD Storage	1	PC
18	Waterproof CCTV Junction Box Enclosure	16	PCS
19	8 Port PoE Switch	2	PCS

4. Structured Cabling System Implementation

This covers the end-to-end data network installation throughout the DENR-PENRO office, ensuring connectivity from the new Server Room to all network locations. The specific drop counts must be strictly followed by the Contractor.

No.	Description	QTY	UNIT
1	Supply and installation of the Fiber Optic Backbone Cable - Multimode fiber optic cables with necessary connectors - serve as the high-speed link from the main Server Room to any necessary Distribution Frames (IDFs). - 2" Slotted Cable Raceway	3	DROPS
2	Supply and installation Backbone Data Line - Cat6e RJ45 Connector passthrough metal shielded (with Rubber boots) - serve as the high-speed link from the main Server Room to any necessary Distribution Frames (IDFs).	3	DROPS
2	Supply and installation of Data Node Drop - individual Category 6 UTP cable runs from the Server Room patch panels to designated user workstations and permanent data points throughout the office. - RJ45 UTP Coupler Patch Panel - Information Outlet/Faceplate - UTP Cat6 Patch Cords	42	DROPS
3	Supply and installation of Access Point Drop - Category 6 (or better) UTP cable runs specifically for Wireless Access Points (WAPs). - These runs must be terminated and installed in locations suitable for ceiling/wall mounting of WAPs, capable of supporting Power over Ethernet (PoE).	6	DROPS

4	Supply and installation/relocation of CCTV Camera and VOIP IP Phone Drop - Category 6 (or better) UTP cable runs dedicated for security and voice services. - These drops are intended to support CCTV Cameras and Voice over IP (VOIP) phones, and must be capable of supporting Power over Ethernet (PoE) as required by the devices.	34	DROPS
5	Termination, Labeling, and Testing - Proper termination of all 88 drops (42 Data + 6 AP + 34 CCTV/VOIP) and 6 Backbone drops into patch panels/FOTEs in the Server Room. - Implementation of detailed, standardized labeling for all components (cables, panels, outlets) per TIA/EIA 606 standards - Complete end-to-end certification testing of all copper data drops and Optical Loss Testing of the fiber backbone, with all test reports submitted to DENR-PENRO Agusan del Norte.	88	DROPS

5. Decommissioning and Disposal of Old Network Infrastructure

The Contractor shall be responsible for the complete and safe **decommissioning and removal** of the existing network infrastructure from the current ground-floor ICT Room and all associated horizontal runs throughout the office, prior to or concurrent with the installation of the new system.

- **Cable Removal:** Safely cut and remove all existing, obsolete, or unused network data cables (UTP and/or Fiber) from walls, ceilings, conduits, and cable trays within the DENR-PENRO Agusan del Norte office space.
- **Equipment Removal:** Decommission and carefully remove all legacy network components, patch panels, and mounting hardware (racks, shelves) from the current ground-floor ICT Room/Server Area.
- **Patching/Repair:** Professionally patch, seal, and repair any holes, openings, or damage in walls, ceilings, or floors resulting from the removal of old cabling and equipment.
- **Disposal:** Properly dispose of all decommissioned materials, cables, and e-waste in accordance with DENR's environmental and waste management policies. **All removed materials remain the property of DENR-PENRO Agusan del Norte**, unless otherwise instructed.

6. Provision of Maintenance for one (1) year of all support facilities and cables

Note: Please see Annexes for Floor Plans, Locations, Examples and Quantities. Prospective service provider/s are required to conduct site inspection to gauge the actual bill of materials, labor and services required for the project. Site inspection shall be conducted prior to the schedule of submission and opening of seal quotations.

VI. TERMS OF PAYMENT

DENR shall pay the service provider for its services. The payments for the services will be done in three (3) tranches as stated in the table below.

VII. PROJECT ACCEPTANCE

Final acceptance requires the submission and approval of all:

- As-Built Drawings (Layout, Electrical Single-Line, Server Room).
- 100% Cable Certification and Test Reports.
- Inventory List, Technical Manuals, and Warranties.
- Successful Completion of Training for ICT personnel on the new facilities.
- A final inspection will be conducted by the PENRO Agusan del Norte's Inspection Committee to ensure all work meets the specified requirements and quality standards.

Prepared by:


JOBERT C. AWA
Information System Analyst II
Chief, PENRO ICT Unit

Checked and Reviewed:


IRENE O. CADIZ
Planning Officer III
Chief, Planning Section

Noted by:


REYNALDO R. PLAZA
DMO IV/OIC Chief, MSD

Approved by:


ADELAIDA R. BORJA
PENR Officer



Republic of the Philippines
Department of Environment and Natural Resources
 Kagawaran ng Kapaligiran at Likas Yaman
 Caraga Region
 PENRO Agusan del Norte



INDIVIDUAL PROGRAM OF WORK

Project Description: **PROCUREMENT OF SERVICES FOR THE INSTALLATION OF STRUCTURED CABLING AND ESTABLISHMENT OF THE NEW ICT ROOM WITH SERVER ROOM OF DENR-PENRO ADN**

Appropriation: **SAA No.: CO-R13-101-2025-08-791**

Name and Location: **ICT Data Center of PENRO Agusan del Norte**
 Mode of Implementation:

Allotment: **PHP 1,272,000.00**
 Duration: **90 DAYS**

I. DIRECT COSTS

A. MATERIALS AND EQUIPMENT

Item No.	Description of Work	Unit	Qty.	Unit Cost (Php)	Total Cost (Php)
1.1	Anti-Static Raised Flooring/Matting (min. 300mm height)	sq.m.	3.4	2,500.00	8,500.00
1.2	L-Shape Technical Workstation Desks	set	3	5,500.00	16,500.00
1.3	Modified Repair Station Table (with 8-Gang Outlet, overhead shelf & Downlights)	set	1	7,500.00	7,500.00
1.4	Ergonomic Office Chairs	unit	4	5,500.00	22,000.00
1.5	Cabinet Supplies (Tubular, Laminate, Plywood, etc.)	lot	1	7,000.00	7,000.00
1.6	Dedicated Panel Board (DPB) and breakers (6 Branches)	set	1	6,000.00	6,000.00
1.7	Electrical Wires and Cables (THHN/THWN, sized per PEC)	box	4	5,500.00	22,000.00
1.8	Conduits, Fittings, Junction/Utility Boxes	lot	1	5,000.00	5,000.00
1.9	Lighting Fixtures, Convenience Outlets and Plates (LED, T8, Downlights, etc.)	lot	1	3,500.00	3,500.00
2.0	3 kVA True Online UPS and accessories (Critical Load-Inverter)	set	1	55,000.00	55,000.00
2.1	Cooling System AC Unit (Split-type)	set	1	35,000.00	35,000.00
2.2	Fire Detection/Alarm Device	set	3	2,200.00	6,600.00
2.3	Door Access Control System	set	1	20,000.00	20,000.00
2.4	Network Management Devices	lot	1	82,000.00	82,000.00
2.5	Data Cabinets and Containment	lot	1	64,000.00	64,000.00
2.6	Smoke Film, Aluminum and Glass Supplies (Partition and Doors of New ICT Room and Server Cubicle)	sq.m.	39	2,500.00	97,500.00
2.7	Paints, Primers, and Application Supplies	sq.m.	64	180.00	11,520.00
2.8	Complete set CCTV Security System (32CH NVR, 16 IP Cameras, 55" & 25" Display Monitors & Stand, 8TB HDD Storage, Enclosure Boxes & PoE Switches)	set	1	158,700.00	158,700.00
2.9	Wireless Access points (Ceiling Mounts and PoE Adapters)	set	6	16,000.00	96,000.00
3.0	Structured Cabling Components: Cat 6/6A Cable, Faceplates, Patch Panels, Patch Cords, etc.	lot	1	110,000.00	110,000.00
3.1	Fiber Optic Components: 12-Strand OM3 FOC, FOTEs, 10G SFP+ Transceivers (3 Pairs)	lot	1	6,500.00	6,500.00
TOTAL COST OF MATERIALS					840,820.00

B. LABOR COST (Direct Project Implementation)

Item No.	Description of Work	Unit	Qty.	Unit Cost (Php)	Total Cost (Php)
2.1	Civil Works Labor (Partitioning, Flooring, Fabrication, Painting & Installation)	man-day	15	2,400.00	36,000.00
2.2	Electrical Works Labor (DPB, UPS, Grounding, Wiring)	man-day	10	2,200.00	22,000.00
2.3	Installation & Configuration Labor of Network Management Devices	man-day	3	1,200.00	3,600.00
2.4	Structured Cabling Installation Labor (UTP/FOC Termination & Testing)	man-day	24	1,800.00	43,200.00
2.5	Installation Labor for ACU, Fire Safety and Access Control	man-day	3	1,400.00	4,200.00
2.6	Decommissioning and Disposal of Old Cables/Equipment	man-day	5	1,200.00	6,000.00
TOTAL COST OF DIRECT LABOR					115,000.00

Equipment Requirements:

Number	Nomenclature
2	Drilling Machine
1	Fiber Optic Splice Kit
2	Network Tester
4	Crimping/Splicing Tools
2	Punch Down Tool

Man Power Resources:

Number	Nomenclature
1	Project Manager
1	Fiber Optic Technician
1	Master Electrician
2	Skilled
2	Labor

TOTAL DIRECT COST (A + B) 955,820.00

II. INDIRECT COST

Item No.	Description of Work	Unit	Qty.	Unit Cost (PhP)	Total Cost (PhP)
3.1	Project Management, Supervision, and Site Engineering (30 Days)	lot	1	21,000.00	21,000.00
3.2	Tools, Equipment Rental, and Mobilization/Demobilization Costs	lot	1	5,500.00	5,500.00
3.3	Project Documentation, As-Built Drawings, and Training Costs	lot	1	10,000.00	10,000.00
TOTAL OVERHEAD/INDIRECT COST					36,500.00

TOTAL DIRECT & INDIRECT COST (I + II)	992,320.00
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III. PROFIT AND CONTINGENCY

Item No.	Description of Work	Amount
3.1	Contractor's Markup/Profit (10%)	95,582.00
3.2	Contingencies/OCM (5%)	47,812.29
TOTAL PROFIT & CONTINGENCY		143,394.29

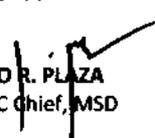
IV. TAXES AND GRAND TOTAL

Description of Work	Amount
VAT (12%)	136,285.71
TOTAL PROJECT COST	1,272,000.00

Prepared by:


JOBERT C. AWA
 ISA II

Recommending Approval:

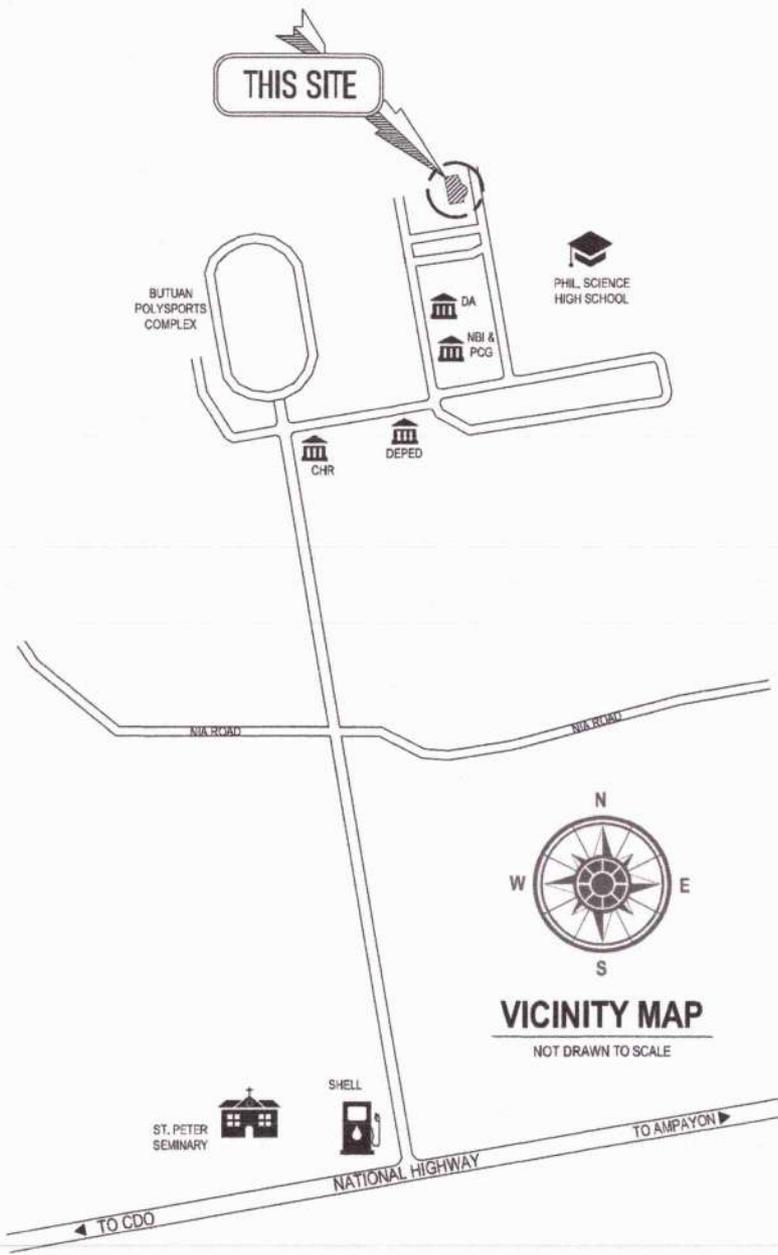

REYNALDO R. PLAZA
 DMO IV/OIC Chief, MSD

Checked & Reviewed by:


IRENE O. LADIZ
 PLO III/Chief, PS

Approved by:


ADELAIDA R. BORJA
 PENR Officer

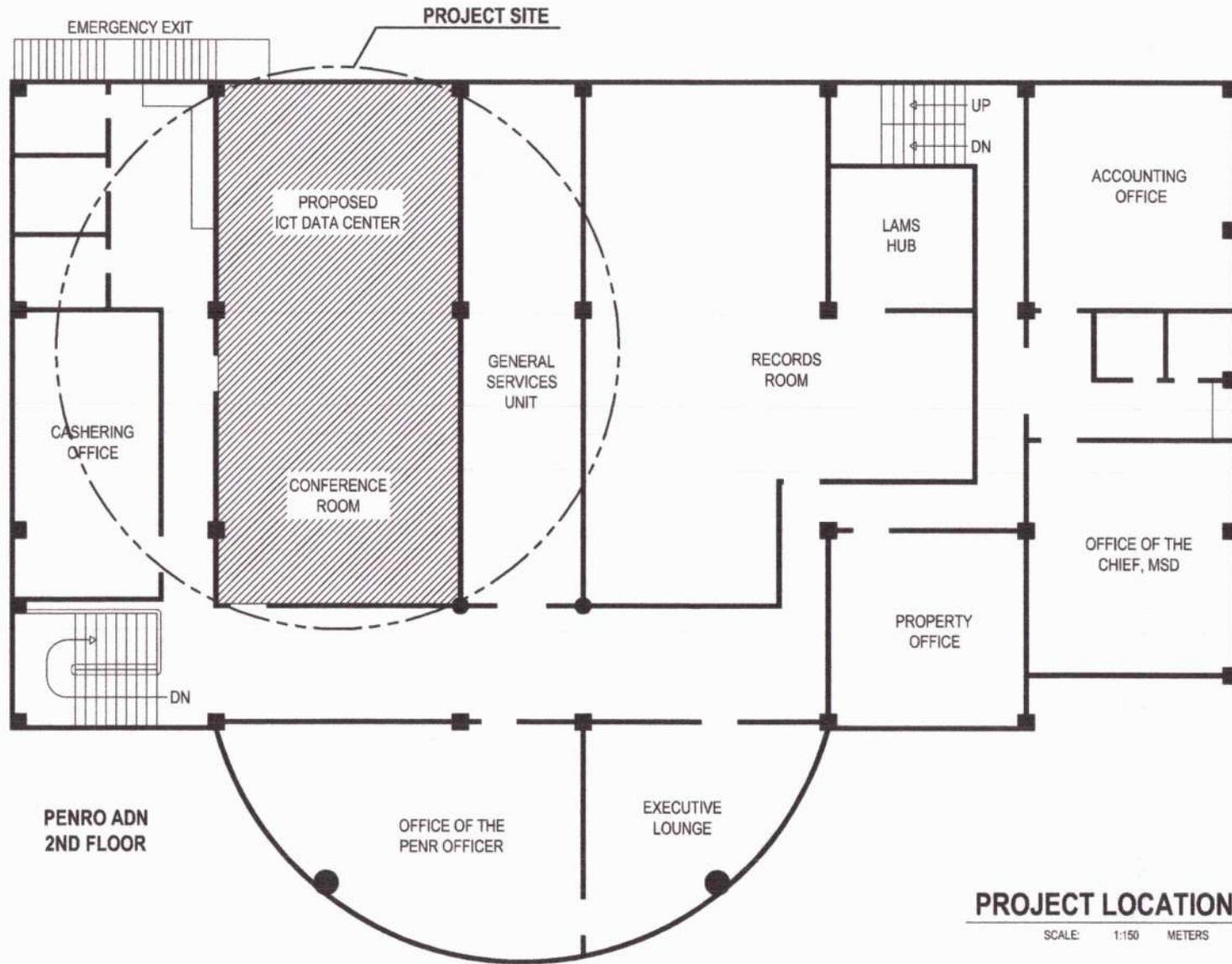


**NEW ICT ROOM
PERSPECTIVE**



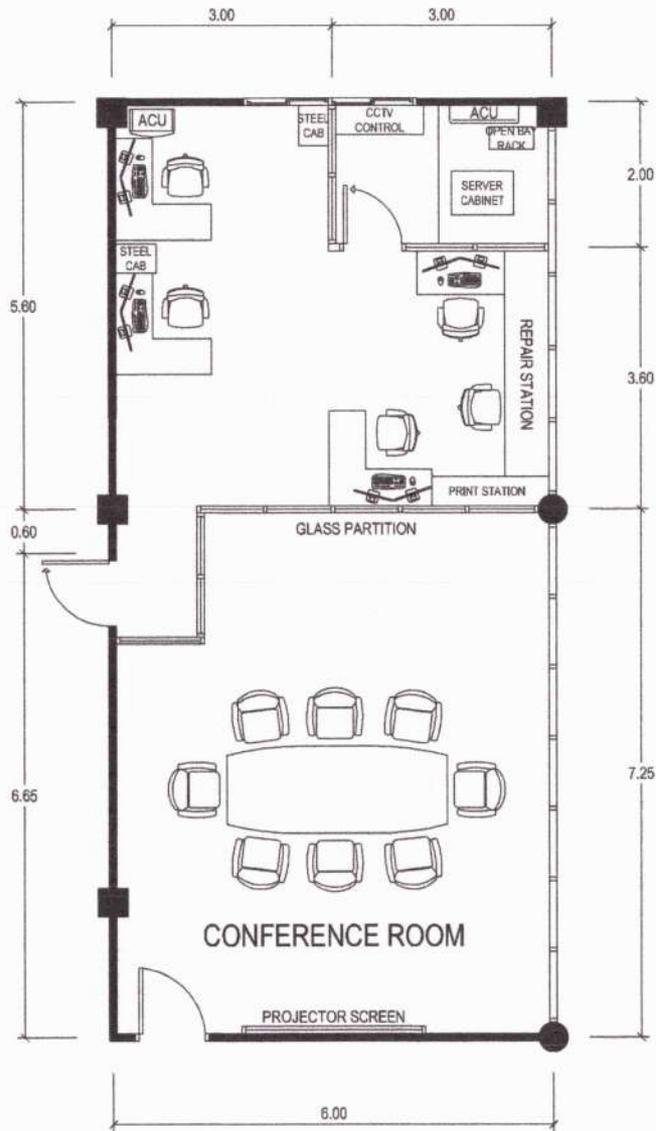
Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tiniguisan, Butuan City

PROJECT	PREPARED:	CHECKED & REVIEWED:	RECOMMENDING APPROVAL:	APPROVED:	SHEET NO.
PROPOSED ICT DATA CENTER	 JOBERT C. AWA ISA II	 IRENE O. CADIZ PLANNING OFFICER III/CHIEF, PS	 REYNALDO R. PLAZA OIC CHIEF, ISD	 ADELAIDA R. BORJA PENR OFFICER	A 1
LOCATION: TINIGUISAN, BUTUAN CITY					



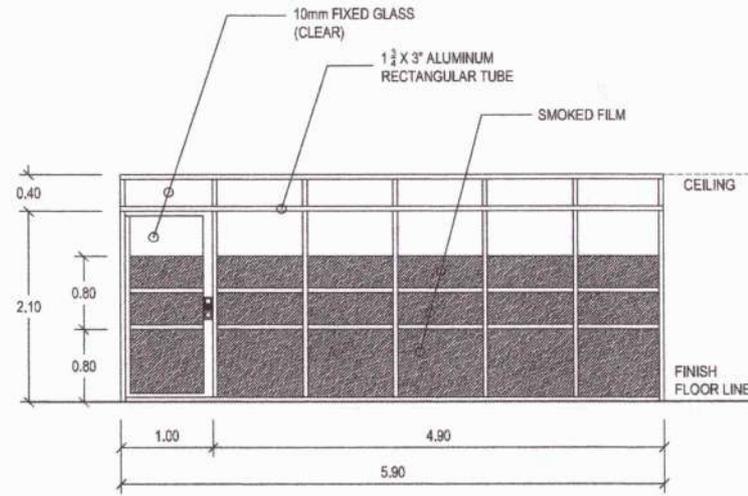
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DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tiniguisan, Butuan City

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PROPOSED ICT DATA CENTER	<i>[Signature]</i> JOBERT C. AWA ISA II	<i>[Signature]</i> IRENE O. CADIZ PLANNING OFFICER III/CHIEF, PS	<i>[Signature]</i> REYNALDO R. PLAZA OIC CHIEF, MSD	<i>[Signature]</i> ADELAIDA R. BORJA PENR OFFICER	A 2
LOCATION: TINIGUISAN, BUTUAN CITY					



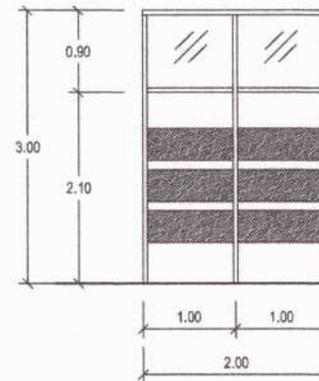
FLOOR PLAN

SCALE: 1:100 METERS

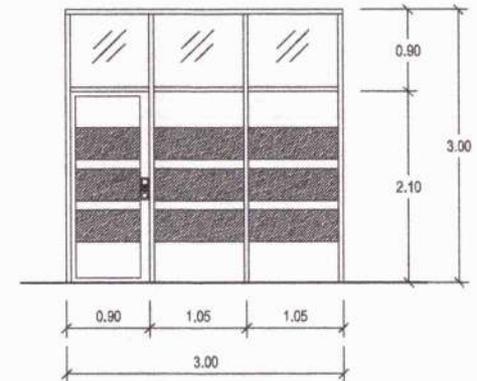


GLASS PARTITION DETAIL

SCALE: 1:80 METERS



LEFT SIDE ELEVATION



FRONT ELEVATION

SERVER ROOM CUBICLE DETAIL

SCALE: 1:80 METERS



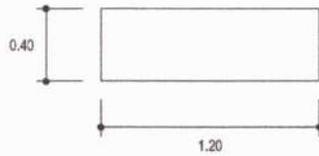
Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tinian, Butuan City

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PROPOSED ICT DATA CENTER	<i>[Signature]</i> JOBERT C. AWA ISA II	<i>[Signature]</i> IRENE O. CADIZ PLANNING OFFICER III/CHIEF, PS	<i>[Signature]</i> REYNALDO R. PLAZA OIC CHIEF, PSD	<i>[Signature]</i> ADELAIDA R. BORJA PENR OFFICER	A 3
	LOCATION: TINIWISAN, BUTUAN CITY				

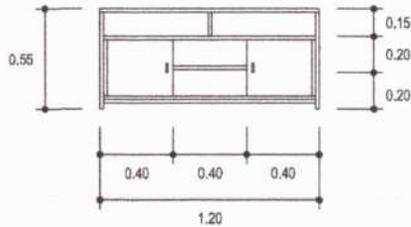
CABINET "B" PLAN

SCALE: 1:40 METERS

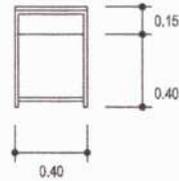
TOP VIEW



FRONT VIEW



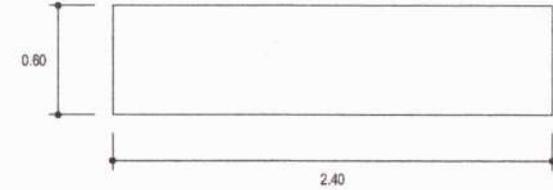
SIDE VIEW



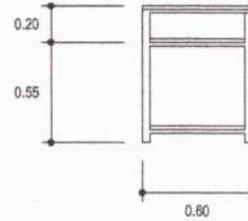
REPAIR STATION TABLE

SCALE: 1:40 METERS

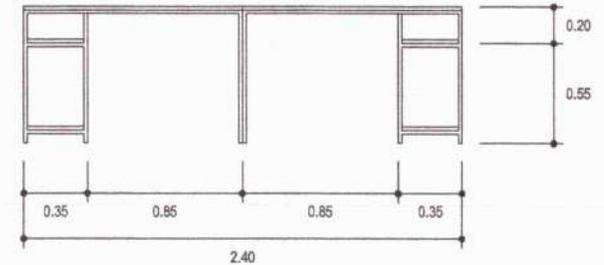
TOP VIEW



SIDE VIEW



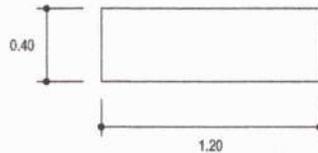
FRONT VIEW



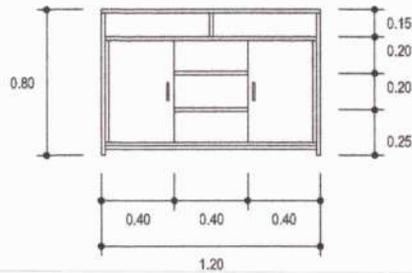
CABINET "A" PLAN

SCALE: 1:40 METERS

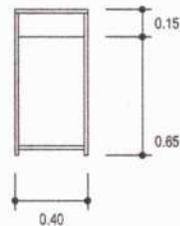
TOP VIEW



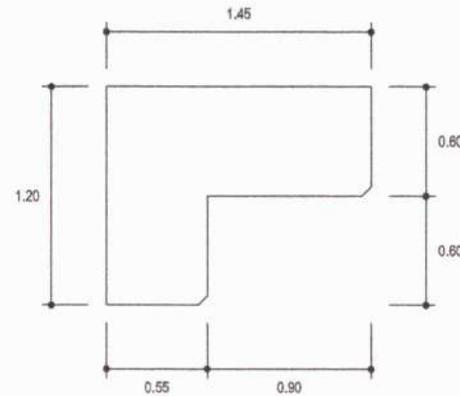
FRONT VIEW



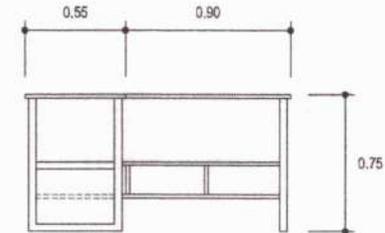
SIDE VIEW



TOP VIEW



FRONT VIEW



SIDE VIEW



L-SHAPE WORKSTATION DESK

SCALE: 1:40 METERS



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tiniwisan, Butuan City

PROJECT

PROPOSED ICT DATA CENTER

LOCATION: TINIWISAN, BUTUAN CITY

PREPARED:

JOBERT C. AWA

ISA II

CHECKED & REVIEWED:

IRENE O. CADIZ

PLANNING OFFICER III/CHIEF, PS

RECOMMENDING APPROVAL:

REYNALDO R. PLAZA

OIC CHIEF, MSD

APPROVED:

ADELAIDA R. BORJA

PENR OFFICER

SHEET NO.

A
4

1F



LOCATION OF NODES & NETWORK EQUIPMENT

SCALE: 1:150 METERS

SCHEDULE OF NETWORK NODES AND DEVICES

DESCRIPTION	E	P
DATA NODES	20	16
CCTV CAMERA	9	6
NETWORK SWITCH	4	2
ACCESS POINT	2	1
BIOMETRIC DEVICE	1	-
VOIP PHONE	-	-

LEGEND:

- ⊙ NODE
 - ⊙ WAP
 - ⊙ VOIP
 - ⊙ BIOMETRIC
 - ⊙ IP CAM (DOME)
 - ⊙ IP CAM (BULLET)
 - ⊙ POE SWITCH
 - ⊙ NETWORK CABINET
 - UTP CABLE RUN
 - CABLE RACEWAY
- COLOR CODES:
- ⊙ EXISTING
 - ⊙ PROPOSED
 - ⊙ FOR RELOCATION



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tiniwisan, Butuan City

PROJECT

PROPOSED ICT DATA CENTER

LOCATION: TINIWISAN, BUTUAN CITY

PREPARED:

JOBERT C. AWA

ISA II

CHECKED & REVIEWED:

IRENE O. CADIZ

PLANNING OFFICER / CHIEF, PS

RECOMMENDING APPROVAL:

REYNALDO R. PLAZA

OIC CHIEF, MSD

APPROVED:

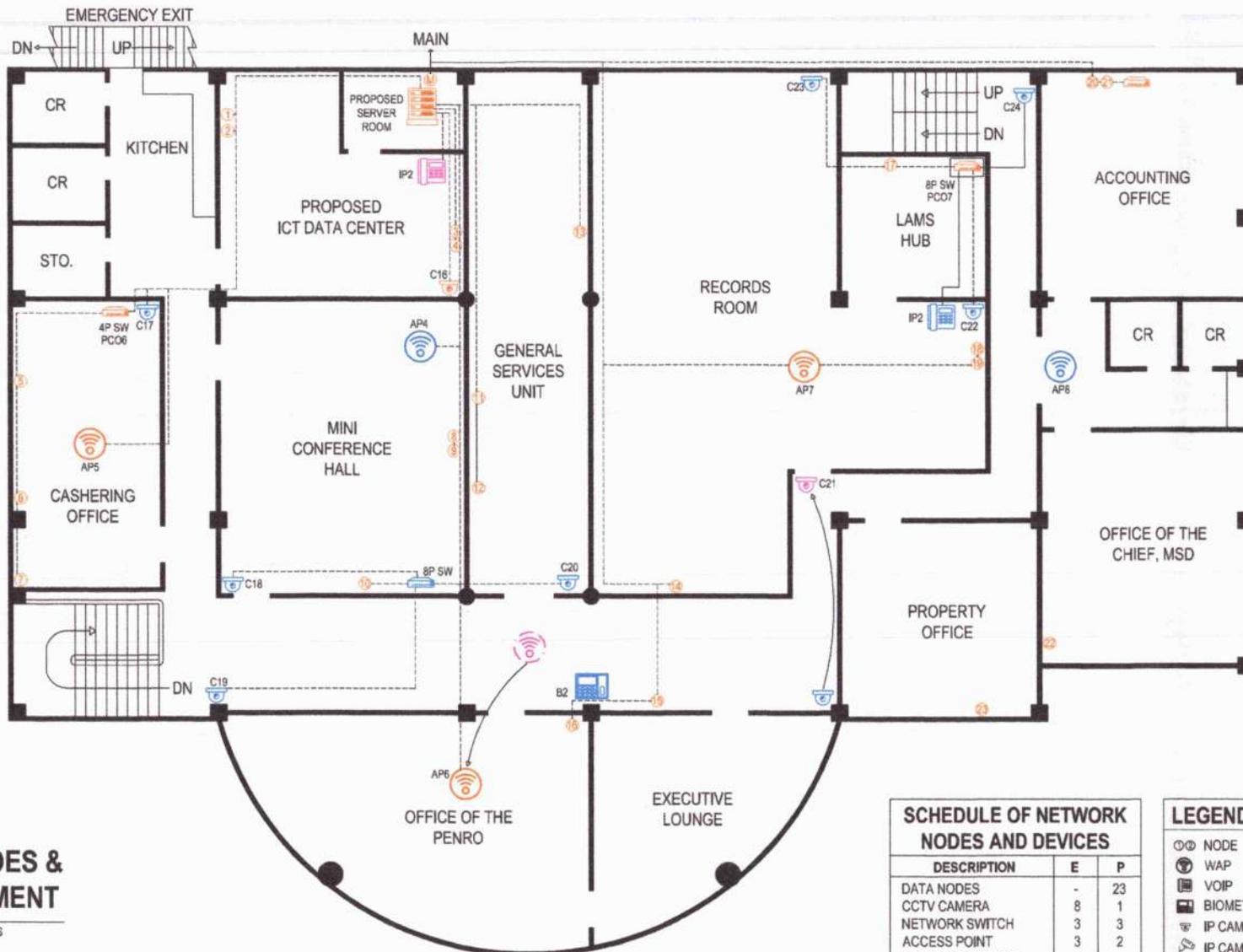
ADELAIDA R. BORJA

PENR OFFICER

SHEET NO.

SC
1

2F



LOCATION OF NODES & NETWORK EQUIPMENT

SCALE: 1:150 METERS

SCHEDULE OF NETWORK NODES AND DEVICES

DESCRIPTION	E	P
DATA NODES	-	23
CCTV CAMERA	8	1
NETWORK SWITCH	3	3
ACCESS POINT	3	2
BIOMETRIC DEVICE	1	-
VOIP PHONE	1	-

LEGEND:

- ⊙ NODE
 - ⊙ WAP
 - ⊙ VOIP
 - ⊙ BIOMETRIC
 - ⊙ IP CAM (DOME)
 - ⊙ IP CAM (BULLET)
 - ⊙ POE SWITCH
 - ⊙ NETWORK CABINET
 - ⊙ UTP CABLE RUN
 - ⊙ CABLE RACEWAY
- COLOR CODES:
- ⊙ EXISTING
 - ⊙ PROPOSED
 - ⊙ FOR RELOCATION



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PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
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PROJECT	PREPARED:	CHECKED & REVIEWED:	RECOMMENDING APPROVAL:	APPROVED:	SHEET NO.
PROPOSED ICT DATA CENTER	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	SC 2
	JOBERT C. AWA ISAT	IRENE O. CADIZ PLANNING OFFICER III/CHIEF, PS	REYNALDO R. PLAZA OIC CHIEF, MSD	ADELAIDA R. BORJA PENR OFFICER	
LOCATION: TINIGUISAN, BUTUAN CITY					

3F



LOCATION OF NODES & NETWORK EQUIPMENT

SCALE: 1:150 METERS

SCHEDULE OF NETWORK NODES AND DEVICES

DESCRIPTION	E	P
DATA NODES	-	3
CCTV CAMERA	1	6
NETWORK SWITCH	1	-
ACCESS POINT	1	-
BIOMETRIC DEVICE	-	-
VOIP PHONE	-	-

LEGEND:

⊙	NODE	▣	NETWORK CABINET
⊙	WAP	---	UTP CABLE RUN
⊙	VOIP	---	CABLE RACEWAY
⊙	BIOMETRIC	COLOR CODES:	
⊙	IP CAM (DOME)	■	EXISTING
⊙	IP CAM (BULLET)	■	PROPOSED
⊙	POE SWITCH	■	FOR RELOCATION



Republic of the Philippines
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PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES
Tiniguisan, Butuan City

PROJECT
PROPOSED ICT DATA CENTER
LOCATION: TINIGUISAN, BUTUAN CITY

PREPARED:
[Signature]
JOBERT C. AWA
ISA II

CHECKED & REVIEWED:
[Signature]
IRENE O. CADIZ
PLANNING OFFICER III/CHIEF, PS

RECOMMENDING APPROVAL:
[Signature]
REYNALDO R. PLAZA
OIC CHIEF, MSD

APPROVED:
[Signature]
ADELAIDA R. BORJA
PENR OFFICER

SHEET NO.
SC 3