



Republic of the Philippines
PROVINCE OF PAMPANGA
Provincial Capitol, City of San Fernando, Pampanga
BIDS AND AWARDS COMMITTEE



BID BULLETIN 2024-01
Invitation to Bid 2024-28

P.R. #23-4799- Supply and installation of structured cabling system for voice and data

This Bid Bulletin No. 01 is issued to modify or amend items in Bid Documents. This shall form an integral part of the Bid Documents, to wit:

	Particulars
Schedule of Requirements	Please see attached Revised Schedule of Requirements
Technical Specifications	Please see attached Revised Technical Specifications (Annex "A")

For your guidance and information of all concerned.

27 March 2024.

MR. FRANCIS V. MASLOG
BAC-Vice-Chairman

SCHEDULE OF REQUIREMENTS

(Revised)

ITEM NO.	Item Description	Quantity	Delivery Date
	Supply & Installation of STRUCTURED CABLING SYSTEM for VOICE and DATA	1 lot (Please refer to Section VII. Technical Specifications for the quantity of items)	Within <i>One Hundred Twenty (120)</i> calendar days upon receipt of the <i>Notice to Proceed</i>

Additional Requirement/Conditions:

1. It shall have an existing registered office in the Province of Pampanga.

I hereby certify/undertake to comply and deliver all the above requirements.

Name of Company/Bidder

Signature Over Printed Name of Representative

Date

“ANNEX A”

(Revised)

STRUCTURED CABLING SYSTEM FOR VOICE AND DATA FOR THREE (3) DISTRICT HOSPITALS

TERMS OF REFERENCE

I. PROJECT DESCRIPTION

Provide sufficient information for the successful delivery of a Structured Cabling Solution for which has high reliability, is easy to maintain and can support the applications and services of today and the future.

Fiber-optic backbone shall connect building structures to the server room per hospital primarily for its data interconnectivity requirements. It shall be composed of fiber optic cables with all cores properly terminated at each building at one end and per hospital (server room) at the other end. The actively employed fiber core shall, in turn, be connected to the corresponding network equipment at both ends. The cables and network equipment on the other hand, shall be capable of handling a capacity of up to (1) gigabit bandwidth speed.

The structured cabling infrastructure should have the following traits:

- Consistency— A structured cabling systems means the same cabling systems for Voice and Data
- Support for multi-vendor equipment – A standard-based cable system will support applications and hardware even with mix & match vendors.
- Simplify moves/adds/changes – Structured cabling systems can support any changes within the systems.
- Simplify troubleshooting – With structured cabling systems, problems are less likely to down the entire network, easier to isolate and easier to fix.
- Support for future applications – Structured cabling system supports future applications like systems, multimedia, video conferencing etc. with little or no upgrade pain.
- Scalability - Can accommodate constant growth while still maintaining order.

II. SCOPE OF WORK

DR. EMIGDIO C. CRUZ SR. MEMORIAL HOSPITAL (ARAYAT)

- Complete provisions for the installation of structured cabling system requirements of Dr. Emigdio C. Cruz Sr. Memorial Hospital (Arayat).
- Supply and installation of necessary Fiber Optic Cable, UTP Cat6 cable, information outlet, face plate, and patch cord for voice & data.
- Supply and installation of roughing-in materials such as Cable Gutter / Wire Gutter, PVC pipes and boxes, including all necessary supports, brackets, hanger, fittings and accessories use for horizontal & backbone cabling distribution and other necessary supplies for backbone installation
- Supply and installation of Network Switches necessary for the termination of all cable runs
- Supply and installation of PABX with at least 33 Telephone Handset
- Supply and installation of at least 7 Access Point
- Supply and installation of at least 7 8-port Gigabit Switch
- Tagging and labeling of cables, terminals and devices for easy identification
- Complete end to end termination of all fiber optic cable and copper cable installed

- Testing and Commissioning with final electronic and printed reports of Category 6 Cable and Fiber Tester result
- Installation of Cable/Wire Gutter/Pipes preferably and if possible, above the ceiling and concealed inside walls
- Documentation – Logical Network Diagrams with complete detailed descriptions and cabling terminations and labels with locations and circumstantial information, Structured Cabling Floor Plan Layout, List of all delivered equipment / devices
- The Data Center (server room) located inside the hospital and will serve as the core node
- The buildings shall be interconnected to the Server Room of ECCMH preferably through an aerial Fiber Optic Cable facility
- At least 42 nodes for Data, at least 33 nodes for Voice and at least 7 nodes for Access Point

MABALACAT DISTRICT HOSPITAL (MABALACAT)

- Complete provisions for the installation of structured cabling system requirements of Mabalacat District Hospital (Mabalacat).
- Supply and installation of necessary Fiber Optic Cable, UTP Cat6 cable, information outlet, face plate, and patch cord for voice & data.
- Supply and installation of roughing-in materials such as Cable Gutter / Wire Gutter, PVC pipes and boxes, including all necessary supports, brackets, hanger, fittings and accessories use for horizontal & backbone cabling distribution and other necessary supplies for backbone installation

- Supply and installation of Network Switches necessary for the termination of all cable runs
- Supply and installation of PABX with at least 21 Telephone Handset
- Supply and installation of at least 6 Access Point
- Supply and installation of at least 5 8-port Gigabit Switch
- Tagging and labeling of cables, terminals and devices for easy identification
- Complete end to end termination of all fiber optic cable and copper cable installed
- Testing and Commissioning with final electronic and printed reports of Category 6 Cable and Fiber Tester result
- Installation of Cable/Wire Gutter/Pipes preferably and if possible, above the ceiling and concealed inside walls
- Documentation – Logical Network Diagrams with complete detailed descriptions and cabling terminations and labels with locations and circumstantial information, Structured Cabling Floor Plan Layout, List of all delivered equipment / devices
- The Data Center (server room) located inside the hospital and will serve as the core node
- The buildings shall be interconnected to the Server Room of MDH preferably through an aerial Fiber Optic Cable facility
- At least 33 nodes for Data, at least 21 nodes for Voice and at least 6 nodes for Access Point

SAN LUIS DISTRICT HOSPITAL (SAN LUIS)

- Complete provisions for the installation of structured cabling system requirements of San Luis District Hospital (San Luis).
- Supply and installation of necessary Fiber Optic Cable, UTP Cat6 cable, information outlet, face plate, and patch cord for voice & data.
- Supply and installation of roughing-in materials such as Cable Gutter / Wire Gutter, PVC pipes and boxes, including all necessary supports, brackets, hanger, fittings and accessories use for horizontal & backbone cabling distribution and other necessary supplies for backbone installation
- Supply and installation of Network switches necessary for the termination of all cable runs
- Supply and installation of PABX with at least 17 Telephone Handset
- Supply and installation of at least 2 Access Point
- Supply and installation of at least 5 8-port Gigabit Switch
- Tagging and labeling of cables, terminals and devices for easy identification
- Complete end to end termination of all copper cable installed
- Testing and Commissioning with final electronic and printed reports of Category 6 Cable

- Installation of Cable/Wire Gutter/Pipes preferably and if possible, above the ceiling and concealed inside walls
- Documentation – Logical Network Diagrams with complete detailed descriptions and cabling terminations and labels with locations and circumstantial information, Structured Cabling Floor Plan Layout, List of all delivered equipment / devices
- The Data Center (server room) located inside the hospital and will serve as the core node
- At least 33 nodes for Data, at least 17 nodes for Voice and at least 2 nodes for Access Point

III. DELIVERY TERM AND WARRANTY

- The Contractor shall provide at least (1) year warranty for the hardware and services which shall be served on the day after project final acceptance.
- The Contractor, awarded with the project, shall deliver the complete running hardware and all necessary documents pertaining to the project within 120 calendar days from the date of receipt of Notice to Proceed.

IV. TECHNICAL SPECIFICATIONS

The purpose of this Technical Specifications is to outline the requirements for the products that will be supplied, delivered, installed, and configured for Three (3) District Hospitals Structured Cabling System for Voice and Data

1. 48-PORT GIGABIT MANAGED SWITCH

- At least 48 Gigabit POE+ Ports
- At least 4 x 10G SFP+ Ports
- Switching Capacity: at least 176 Gpbs
- Forwarding Rate: at least 130 Mpps
- Rack-Mountable

2. 24-PORT GIGABIT MANAGED SWITCH

- At least 24 Gigabit RJ45 Ports
- At least 4 10G SFP + slots
- Switching Capacity: up to 128 Gpbs
- Forwarding Rate: up to 95 Mpps
- Rack-Mountable

3. 16-PORT GIGABIT MANAGED SWITCH

- At least 16 Gigabit POE+ RJ45 Ports
- At least 2 Combo Gigabit SFP Ports

- Switching Capacity: up to 36 Gpbs
- Forwarding Rate: up to 26-Mpps
- Rack-Mountable

4. 8-PORT GIGABIT MANAGED SWITCH

- At least (8) Gigabit RJ45 Ports
- At least 2 10G SFP Slots
- Switching Capacity: at least 80 Gpbs
- Forwarding Rate: at least 59.52 Mpps
- Rack-Mountable

5. ACCESS POINT

- WiFi 6, MU-MIMO, Dual Band
- 5GHz with up to 1.2Gbps signal rate
- 2.4GHz with up to 570Mbps signal rate
- Powered with POE
- At least 1 Gigabit Ethernet RJ45 port
- Ceiling / Wall Mount

6. 1G SFP MULTI MODE

- 1G, Multi-mode Module
- Port type: LC
- 1.25Gbps Data Rate
- Hot pluggable
- Operating temperature: 0°C to 70°C

7. 1KVA ONLINE UPS

- At least 1 KVA Online UPS, Rackmount, with LCD display, Single Phase with ground, True Online Double Conversion, Hot Swappable Battery, with alarm (battery low, overload, fault)

8. Hybrid IP-PBX

- 12 slots with PSU, Analog Extension Card 20 ports, Hybrid Card Extension Card 2COx2DKPx16SLT, Hybrid Card Extension Card 4COx2DKPx12SLT, Installation and Programming included, Terminal Block 100pairs, Line Surge Arrester

- **MABALACAT DISTRICT HOSPITAL (MABALACAT)**

- At least 2 units 16 Port Managed Switch with SFP Module Port
- At least 1 unit 24 Port Managed Switch with SFP Module Port
- At least 5 units 8 Port Gigabit Managed Switch
- At least 2 pcs SFP Module 1G Multimode
- At least 6 units Access Point
- At least 60 pcs Patch cord 3m
- At least 56 pcs Faceplate single gang
- At least 2 pcs Faceplate 2 gang
- At least 60 pcs IO Module data and tel
- At least 2 units Online UPS 1KVA Rackmount
- At least 1-unit 1FT Data Cabinet
- At least 1-unit 3FT Data Cabinet
- At least 20 boxes UTP Cable CAT6
- At least 200 mtrs 4 core Multimode Duplex Fiber Optic Cable (62.5 / 125)
 - LC to LC 50-micron outdoor type
- At least 2 pcs Fiber optic patch cord OM3 lc to lc 3 mtrs length 50 micron
- At least 2 pcs Fusion splice tray for 2-core small
- At least 21 units Telephone Handset, Analog
- 1 lot PABX Setup
- At least 1-unit Digital Operator Phone
- 1 lot Project Management (Design and Documentation, Termination from I/O Port to Data Cabinet, Continuity Testing and Commissioning, Roughing ins Labor, Fiber Optic Splicing / Termination, Fluke Testing for Copper and Fiber)

- **SAN LUIS DISTRICT HOSPITAL (SAN LUIS)**

- At least 1-unit 48 Port Gigabit Managed Switch with SFP Module Port
- At least 5 units 8 Port Gigabit Managed Switch
- At least 2 units Access Point
- At least 52 pcs Patch cord 3m
- At least 18 pcs Faceplate single gang
- At least 17 pcs Faceplate 2 gang
- At least 52 pcs IO Module data and tel
- At least 2 units Online UPS 1KVA Rackmount
- At least 1-unit 3FT Data Cabinet
- At least 19 boxes UTP Cable CAT6
- At least 17 units Telephone Handset, Analog
- 1 lot PABX Setup
- At least 1-unit Digital Operator Phone
- 1 lot Project Management (Design and Documentation, Termination from I/O Port to Data Cabinet, Continuity Testing and Commissioning, Roughing ins Labor, Fluke Testing for Copper)



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BIDS AND AWARDS COMMITTEE

BAGONG PILIPINAS

BID BULLETIN 2024-01
Invitation to Bid 2024-28

P.R. #24-0631-Supply and delivery of 21 units Ambulance

This Bid Bulletin No. 01 is issued to modify or amend items in Bid Documents. This shall form an integral part of the Bid Documents, to wit:

Particulars Invitation to Bid Funding Source	From	To
	General Fund	Trust Fund
	Particulars	
Technical Specifications	Please see attached Revised Technical Specifications	

For your guidance and information of all concerned.

27 March 2024

MR. FRANCIS V. MASLOG
 BAC-Vice-Chairman

Technical Specification

PR No. 24 - 0631

(Revised)

Item No.	Quantity	Unit of Issue	Specification	Statement of Compliance*
1	21	unit	<p>AMBULANCE Specifications: Body Type: Flat Roof with Engine Hood, Sliding side Door/s and rear tail gate Engine: 4 cylinders CRDi Diesel Engine, at least EURO IV Displacement: 2,500 cc min to 3,000 cc max Fuel Tank Capacity: at least 70 liters Transmission: 5 speed manual Steering: Power Steering Chassis: Manufacturer's Standard Customized Interior Specifications: Flooring: 5ft x 10ft x 3inc 3/4 marine plywood panel with mounted with aluminum checkered 2mm non slip stainless flooring Built-in Storage: 3 seater upholstered bench permanently mounted at the right side with back rest 1 seater upholstered bench located at the front portion of the body approx 36 in (W) x 18 in (H) with padded cushion and storage base access Grab Rail: - Stainless pipe <u>120cm</u> long overhead grab rail, installed at the ceiling Partition between the driver and patient: - 35 cm x 30 cm - made of acrylic panel with sliding window Medicine Cabinet: - Located at the upper left side of the patient compartment - made of aluminum composite with panels, 200cm in length - transparent & shatter proof sliding door with low profile handles - equipped with 4 shelves, one shelf designated to fit & carry heavy medical equipment at least 30cm depth Electrical & Lightings: - power inverter, 220 AC supply - 2 units medical grade dome interior lights - green Gen 3 LED blinker ambulance light - with PA system Front Grill/Rear Strobe Lights: - white/white rear strobe - top area of the body at the rear side - step light (LED Light) * <u>With Stainless Bumper approach</u> <u>and Stainless Ramp approach</u> Color of Unit: White Vinyl Sticker Decals (See Annex A for the Layout) Accessories: - 1 unit Medical Oxygen 10 lbs with regulator mask - 1 unit Medical Stretcher fully collapsible - 1 pc. Sphygmomanometer - 1 unit Wheelchair</p>	