



Republic of the Philippines
Department of Education
CARAGA REGION



BID BULLETIN NO. 10923027-01
BIDS AND AWARDS COMMITTEE

To: **: ALL PROSPECTIVE BIDDERS**

Project Name: **Procurement of Supply, Delivery, Installation and Configuration of ICT Network Infrastructure and Network Security Upgrade for DepEd Caraga Regional Office**

Subject **: Correction on the Technical Specifications and Invitation to Bid (ITB)**

Date **: June 18, 2024**

1. This Supplemental/Bid Bulletin is issued to modify and/or amend item/s in the Bidding documents of the project indicated above. This shall form an integral part of the Bidding Documents.
2. Relative to the abovementioned project, the following correction on the technical specifications and ITB shall be followed:
 - On paragraph 2, sentence 2 of the ITB:
From: Delivery of the Goods is required by 90 days.
To: Delivery of the Goods and Services is required by 90 days.
 - Removal of some specifications on the following items:
 - On the Network Infra Recabling (Supply, Installation and Configuration) - Turbo Boost up to 2.7GHz
 - On the Monitoring Desktop Monitor - curve rate R1500
3. Attached also to this bid bulletin is the scope of work and floor plan for the Installation and Configuration of ICT Network Infrastructure and Network Security Upgrade.
4. For information and guidance.


PEDRO TENEBRO ESCOBARTE JR.
Director III/Assistant Regional Director
BAC Chairperson



2024-06-09482

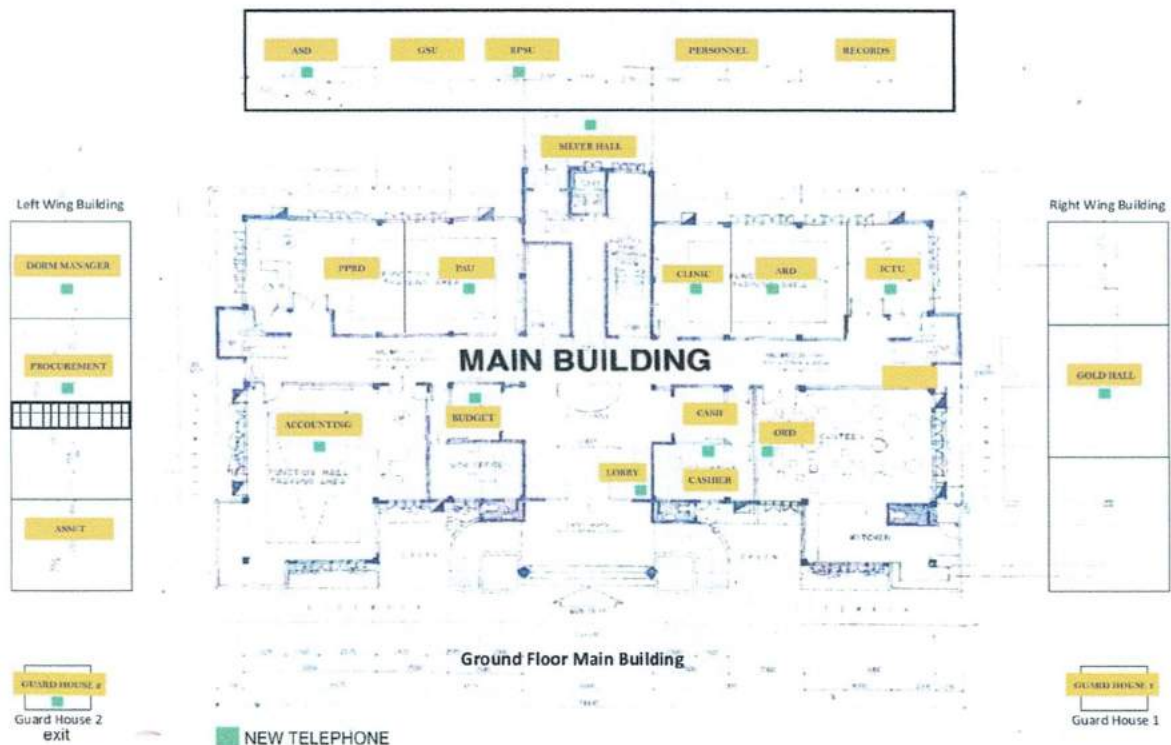
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REHABILITATION OF TELEPHONE SYSTEM

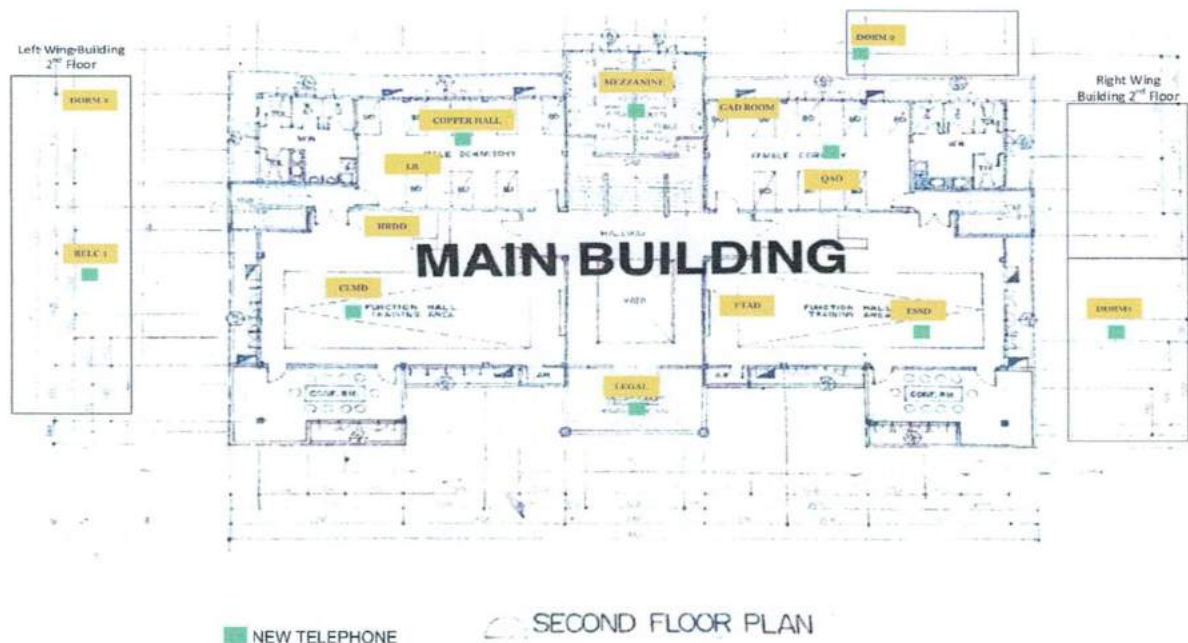
Areas for Installation

1. Guard House Exit	14. Dorm Manager
2. Public Assistance Desk (Lobby)	15. Procurement
3. CASH Unit	16. Silver Hall
4. Budget Unit	17. Mezzanine
5. Accounting Unit	18. RELC
6. PAU	19. QAD
7. ORD	20. Dorm 1
8. ARD	21. Legal
9. ICT Unit	22. CLMD
10. Clinic	23. ESSD
11. Gold Hall	24. Copper
12. ASD	25. Dorm 2 / ARD Quarter
13. RPSU	

FLOOR PLAN (first floor)



FLOOR PLAN (Second floor)



Scope of Work

1. **Structured Cabling and Wiring Activities**
 - Perform structured cabling and wiring activities necessary for the installation of the new 25 telephones.
2. **Removal of Defective Connections**
 - terminate defective connections from the source to the offices/areas.
 - Remove non-functional telephone wires or UTP wires to prevent interference and ensure clean installations.
3. **Installation of Telephones and Accessories**
 - Install new analog phones, wiring, and connector boxes in designated areas based on the site survey and floor plan.
 - Ensure proper labeling and documentation of all connections.
4. **Configuration and Provisioning**
 - Configure and provision new GSM devices as required for the new telephone system.
 - Integrate the new telephone connections into the existing Grandstream PABX located on the 2nd floor cabinet at the CLMD area.
5. **Installation of Electrical Molding and Enclosures**
 - Install electrical molding/enclosures for telephone wiring to ensure protection and neatness.

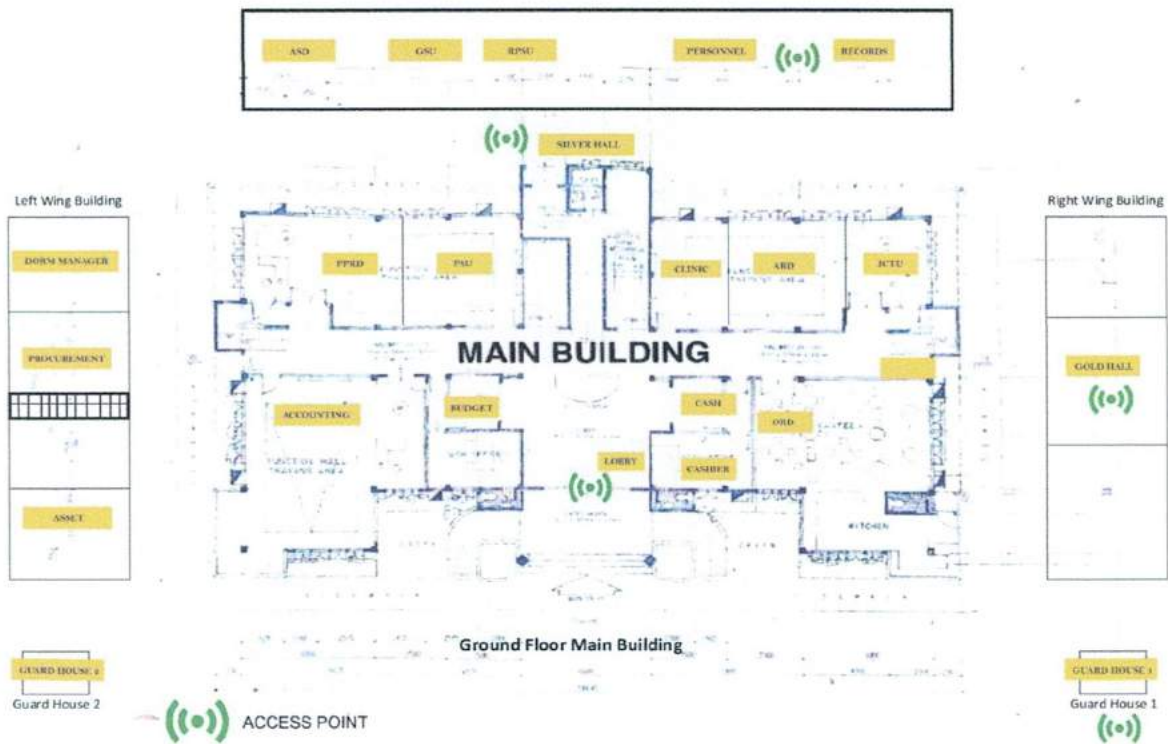
- Patching and bracketing of telephone units where necessary to secure installations.
- 6. **Testing and Commissioning**
 - Perform thorough testing of all newly installed telephones to ensure functionality and quality.
 - Provision the telephones, making sure they are correctly configured and integrated into the PABX system.
- 7. **Knowledge Transfer and Training**
 - Provide training sessions for relevant staff on the operation and maintenance of the new telephone system.
 - Offer detailed documentation and manuals for future reference.
- 8. **Work Completion Report**
 - Issue a comprehensive work completion report detailing all activities performed, including configurations, installations, and testing results.

Installation of Additional Access Points

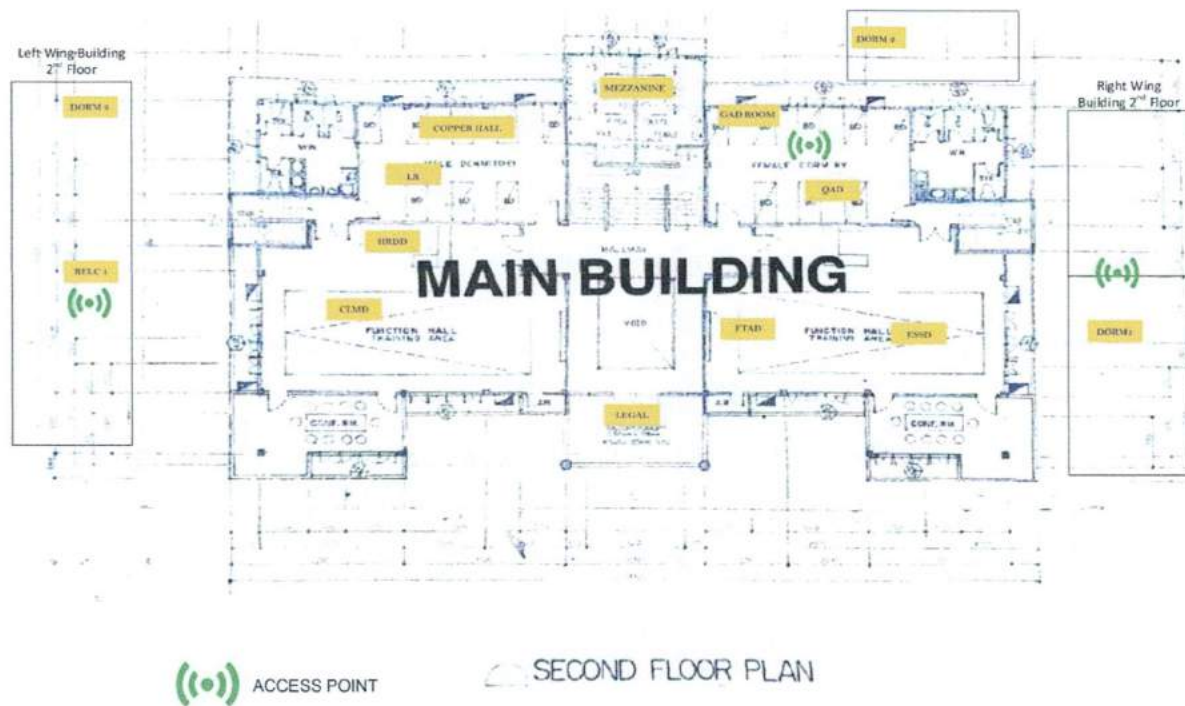
Areas for Installation

1. Guardhouse
2. Gold Hall
3. Lobby
4. Silver Hall
5. Personnel Area
6. Dorm 1
7. Dorm 3
8. QAD

FLOOR PLAN (First floor)



FLOOR PLAN (Second floor)



Scope of Work

1. **Removal of Old and Non-Functional Network Cables**
 - Identify and remove old and non-functional network cables from the endpoint to the source in each specified area.
 - Ensure that all debris and old materials are disposed of properly.
2. **Installation of New Network Wireless Cables and Access Points**
 - Install new network wireless cables in each specified area.
 - Install access points in the identified locations to ensure optimal wireless coverage based on the attached floor plan.
 - All UTP cables will be connected in the 2nd floor cabinet located in the mezzanine area.
3. **Installation of Rackmount Switch**
 - Install a rackmount 16-port switch in the 2nd floor cabinet located in the mezzanine area.
 - Connect new network cables to the rackmount switch and connect also existing cables from the existing access points.

4. Cable Management

- Secure all cables with suitable electrical molding for organized and neat cable management.
- Ensure that all cables are hidden and protected to prevent physical damage and maintain aesthetics.

5. Address Loose Wires and Connections

- Identify and secure any loose wires or connections aside from the newly installed cables. This includes cables located in the hallway to the executive area, which should be organized and placed into electrical molding, removing any unwanted non-functional cables.
- Ensure that all connections are stable to prevent disruptions in network connectivity.

6. Testing and Verification

- Test all newly installed cables and access points to verify proper installation and functionality.
- Ensure that all areas have strong and reliable network connectivity.

7. Certification of Completion

- Upon successful installation and testing, the supplier will issue a certificate of completion of work.

Deliverables

1. Properly installed and functioning network cables and access points in all specified areas.
2. Organized and neatly managed cables secured with electrical molding.
3. A rackmount switch installed and connected to the network.
4. A certificate of completion provided by the supplier.

Responsibilities

• Supplier:

- Perform all installation and removal tasks.
- Provide necessary materials and equipment.
- Ensure all work meets the required standards and specifications.
- Issue a certificate of completion upon project finalization.

• Client:

- Provide access to all areas specified for installation.
- Ensure that the necessary power supply and network infrastructure are available.
- Coordinate with the supplier to facilitate the smooth execution of the project.

Network-attached storage Rackmount and Uninterrupted power supply

Objectives

- Install and secure a NAS rackmount unit in the data cabinet.
- Install and secure a 1500VA UPS rackmount unit in the data cabinet.
- Configure the NAS for backup with the CCTV system.
- Set up file sharing on the NAS for network access.

Scope of Work

NAS Rackmount Installation

- Mount the NAS unit in the designated rack space within the data cabinet.
- Secure the NAS unit using the appropriate rackmount kit.
- Connect the NAS to the network switch using high-speed Ethernet cables.
- Connect the NAS to a power source, preferably connected to a UPS for power protection.

UPS Rackmount Installation

- Mount the 1500VA UPS unit in the designated rack space within the data cabinet.
- Secure the UPS unit using the appropriate rackmount kit.
- Connect the UPS to a power source.
- Connect the NAS and other critical devices to the UPS to ensure power protection.

NAS Configuration

- Power on the NAS unit and initialize the setup process.
- Configure network settings, including IP address assignment (static or DHCP).
- Set up user accounts and permissions.
- Enable and configure RAID settings as required.
- Install necessary firmware and software updates.

CCTV Backup Configuration

- Connect the NAS to the CCTV system.
- Configure the NAS to receive and store backup data from the CCTV system.
- Set up scheduled backups to ensure regular data transfer.
- Verify the integrity and accessibility of the backed-up CCTV data.

File Sharing Configuration

- Set up shared folders and define access permissions for network users.
- Enable SMB/AFP/NFS protocols for cross-platform file sharing.
- Test access to shared folders from various network devices.
- Configure user quotas and storage limits if necessary.

Testing and Verification

Functional Testing

- Test the NAS functionality, ensuring it is accessible over the network.
- Verify that CCTV backups are being stored correctly on the NAS.
- Confirm that file sharing is working correctly from multiple devices.

UPS Testing

- Simulate a power failure to ensure the UPS provides uninterrupted power to the NAS and other critical devices.
- Verify that the UPS is properly managing power and providing alerts/notifications as configured.

Documentation and Training

Documentation

- Provide comprehensive documentation detailing the installation and configuration processes.
- Include network diagrams, configuration settings, and user access information.

Training

- Conduct a training session for the IT staff on managing and maintaining the NAS and UPS systems.
- Provide guidance on troubleshooting common issues.

Deliverables

- Installed and configured NAS rackmount unit.
- Installed and configured 1500VA UPS rackmount unit.
- Configured backup system for CCTV.
- Configured file sharing system.
- Comprehensive documentation.
- IT staff training session.

Acceptance Criteria

- Successful installation and secure mounting of NAS and UPS units.
- Proper configuration of NAS for CCTV backup and file sharing.
- Verified functionality and accessibility of NAS and UPS.
- Completion of documentation and training session.