

Invitation for Bids

Information Technology Infrastructure

Installation of a new wired and wireless Local Area Network (LAN) Infrastructure and Intercom (IPPABX) System capable of handling up to 50 phones.

And

Installation of a Virtual Private Network (radio, Wi-Fi, E1, VSAT) for Vending Stations and Servers, and Internet Service with 512/256 kbps dedicated bandwidth, this should be channelled on the LAN.

Procurement Number: NPA/ICB/IT/001/2010

The National Power Authority (NPA) has allocated funds for the procurement of:

Lot 1:

Installation of a new wired and wireless Local Area Network (LAN) Infrastructure and Intercom (IPPABX) System for NPA Headquarter Building, capable of handling up to 50 phones.

Lot 2:

Installation of a Virtual Private Network (radio, Wi-Fi, E1, VSAT) interconnection for its vending stations and servers located at Head Office, Electricity House, 36 Siaka Stevens Street Freetown, to initially link thirty-five (35) pre-paid vending stations located in Banks, Supermarkets, and Fuel Filling stations across Freetown. . Bidders should also quote for Internet Service with 512/256 kbps dedicated bandwidth. This should be channelled on the LAN.

The Authority now invites sealed bids from eligible bidders for the construction, design and installation of a Wireless Meshed Network with the under mentioned features:

- Mesh-wide traffic coordination via long-range directional antennas.
- Traffic management for deployment of supporting data communications.
- Integral single access points that supports 5 GHz.
- Extended range and non-line-of-sight capabilities that contribute to lower costs and simplify deployment.
- Built-in security provisions to protect the privacy and integrity of all traffic traversing the multi-use mesh network.

Interested Solution Providers (ISP) are required to visit the proposed project site, and carry out a survey of the project environment at their own cost, with a view of collecting data requirements for submission.

The scope of work includes all activities needed to fully complete the wiring described in this document and the drawings and documentation that will be made available at the completion of the project.

The contractor shall quote for the following equipment:

- CISCO Catalyst Manageable Switches/Management Switches.
- CISCO Routers.
- CISCO Call Manager for the (IPPABX), capable for handling up to 50 phones.
- 42U rack for wiring closets.
- Power over Ethernet Adaptors.

The contractor shall install and test all cables and network devices. The data cable plant is designed to support Gigabit (1000Mbps) Ethernet computer network. All equipment and components used in the data cable plant shall carry manufacturer-supported performance warranty for data rates up to 1000Mbps.

The proposed locations for Lot 2, have been provided with a clear explanation of their coverage areas. These proposed vending locations are divided into three regions:

- East end as far as Waterloo.
- Central Business District of Freetown.
- West-end as far as Goderich.

The bidders will supply and maintain this equipment which will be owned by NPA and other arrangements such as co-location will be the responsibility of the bidder which should be incorporated in their maintenance cost.

The bidder should note that the integral single access point forms part of the proposed meshed network at Electricity House as the aggregating point.

NPA is not specific on equipment, as long as it has modern radio /Wi-Fi, etc, and have 5GHz Band radio that have Triple Radio Gateway capability.

The bidder should note that an alternative to the Meshed network would not be accepted as NPA is looking for maximum performance.

Bids submitted with equipment for only line-of-sight capabilities will be considered a serious deviation from specified Wireless Meshed Network features, if this can provide a single access point aggregation at the hub point at Electricity House.

Bidding is open to all suppliers who can:

1. Demonstrate the ability to furnish all labour, materials, tools, equipment and reasonable incidental services necessary to complete an acceptable installation of the horizontal and riser data, communications cabling plant. This shall include but not limited to faceplates, modular jacks, connectors, data patch panels, patch cables, horizontal, vertical and backbone cables, wiring closets, mounting racks etc. He shall provide cables, network equipment and components necessary to construct a wired local area network infrastructure for data communication within the Head Office premises as stated in Lot 1.
2. Carry out the installation of the information technology network systems.

Any further information can be obtained at the address below between 09:00hrs. – 15:00hrs. Mondays - Fridays. Bidding documents may be purchased upon payment of a non-refundable fee of Two Hundred United States Dollars (US\$200.00) or its equivalent in Leones.

Bids must be delivered to the address below on or before Noon 12:00 Noon Monday 29th November 2010.

Interested bidders may bid for Lot 1, Lot 2 or both Lots. Each Lot must be accompanied by:

- a bid security of thirty-seven million five hundred thousand leones (Le37,500,000.00)
- a valid company's registration certificate;
- a valid copy of Firm's/Company's NASSIT clearance certificate;
- a valid copy of Firm's/Company's Tax clearance certificate;
- a valid copy of Municipal/ Local Council registration certificate.
- a list of recent contracts performed.
- Last three (3) years Audited Financial statement.
- An Organogram of the key personnel in your Firm, stating their position, experience, and relevant skill who will be assigned to the project.
- A pictorial and/ or schematic sketch of your proposal.
- Price Quotation in US\$.

Bidders must be willing to provide the following:

1. Do a clear presentation of their submission stating sequence of activities.
2. Project Implementation Plan, should be logical, realistic, efficient, and cost effective.

Bids will be opened on Monday 29th November 2010 at 12:15 p.m., in the presence of bidders representatives bidders who choose to attend, at the address below. Late bids will be rejected and returned unopened to bidders.

National Power Authority
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