

TERMS OF REFERENCE

Provision of Internet Connection Service at the Administration Building, PMO-NCR North

I. Rationale

PPA embraced the benefits of utilizing the internet in their day-to-day work, making it an essential tool in conducting business. The availability of good internet facility will provide efficient capability to access electronic data and information from different sources as well as share to both internal and external clients, any electronic data, especially in processing Online applications for various PPA permits and/or other documents including the implementation of PPA iPorts.

With the new development in port operations process, it is expected that the provision of reliable internet will pave way for a healthy exchange of information, smooth integration process and ease of doing business between PPA and its clients.

II. Scope of Work

The Project covers but not limited to the following:

- a. Engagement of Internet Service Provider (ISP) at the Administration Building, PMO-NCR North from the provider's Internet facility;
- b. Subscription of the Internet Connection for a period of ten (10) months from issuance of the Notice to Proceed;
- c. Installation of the proposed internet connection to Administration Building, PMO-NCR North network infrastructure shall be during working hours (from 8:00 AM to 5:00 PM) from Monday to Friday. The winning ISP bidder/s shall provide the necessary hardware, terminators and other services required to setup the internet connection. Details of the technical requirements are indicated in Section IV of this TOR. Winning bidder of the primary internet connection can no longer bid for the secondary internet connection;
- d. Provision of diagnostic reports and updates in case of connection failure;
- e. Provision of monthly utilization graphs and/or MRTG tools for monitoring of link quality and bandwidth utilization;
- f. Provision of 24/7 support services;
- g. Entering into a Service Level Agreement which defines parameters of rebates for non-performance, etc.

- Speed requirement: up to 300Mbps bandwidth for the PMO Admin. Bldg.
- In case of a shared channel, the minimum guaranteed bandwidth should be clearly mentioned in the proposal.
- Connection should be a cable type, Fiber Optic Cable Multiplexer shall be Gigabit Ethernet (GE) capable, Interface Hand-off (Gigabit Ethernet 10/100/1000-electrical).
- Type of connection: (1:1 ratio, Synchronous) (Terminal via Metro-E).
- Must have at least 10 direct International Uplinks (Tier 1/Tier 2, i.e., AT&T, Level 3, Telstra etc.) for redundancy purposes (Provided diagram).
- Must have/operate its own Backhaul going Cable Landing Station.
- Provider must have a minimum total Uplink capacity of 40Gbps (to address needs of client/s) (Provide proof).
- Manage and operate local Internet peering (i.e., MIX, GIX, PHIX) (Provide certification).
- Service reliability must be ensured. Overall uptime should not be less than 99%.
- Data confidentiality guarantee. Provider may not scan traffic (if this should be done for finding problems in the network prior PMO-NCR North agreement must be obtained).
- All necessary hardware, cabling and software (if required for Internet Service) should be provided and set up by the provider.

V. Approved Budget for the Contract (ABC)

The total Approved Budget for the Contract (ABC) is **P950,000.00** inclusive of all government taxes, service charges, and other fees.

VI. Terms of Payment

Payment shall be made on a monthly basis effective upon signing of the contract, subject to mandatory submission of written billing statement and other supporting documents by the ISP.

VII. Other Terms and Condition

ISP's Liability

The employees of the ISP are not employees of PPA; PPA shall not in any way be liable or responsible for any physical injury or damages, including death sustained or caused by any employees of the ISP whether or not occurring during the performance of their duties. The ISP agrees and binds itself to indemnify the PPA for whatever injuries or damages caused or occasioned or contributed to by failure, negligence or conduct of the

III. Qualification Requirements

- The provider shall submit a certification issued by the National Telecommunications Commission (NTC) stating that the company is a certified Telephone Company that operates Local Exchange Carrier and provides Internet Services. The telephone service providers (TelCos) are mostly Tier 1 Internet Service Providers which offers the following:
 - Ability to change traffic with other Tier 1 providers, following strict peering agreements. Peering is the exchange of internet traffic, it occurs between two networks that have agreed on a connection to exchange traffic without the use of a third party, reducing the internet costs. Without Tier 1 internet providers, internet traffic could not be exchanged between different countries.
 - Future installation of Fiber Connectivity for different sites.
 - Handle Distributes Denial of Attack Services (DDoS) attacks better.
 - Directly connected to the foundations of the internet, offering higher speed connections and more reliable networks. Another advantage is that solving issues with a Tier 1 ISP can be much simpler.

- The Provider should have at least ten (10) years as a telephone service provider and at least ten (10) years as internet service provider.
- The Provider must secure NTC Certification that the Bidder is a Tier 1 Telco Company, as provided in the general premise above.
- The Bidder must be ISO 9001:2015 certified.
- The Provider must be PhilGEPS Platinum registered.
- Bidder should be a Data Center Provider for Backup purposes.
- Bidder should be a cloud provider.
- Domestic local loop shall be optic cable, which should be provided directly by the ISP that provides Internet connectivity and not be subcontracted, sub-leased, or subscribed from other service providers. The ISP is required to lay its cabling backbone separately from the others.
- ISP shall submit a network layout labeled as Electronics Engineer Plan showing connectivity from end user's data terminal facility up to the last mile duly signed by Licensed Electronics Engineer (EE) with his/her valid PRC ID.
- Submit copies of Client Satisfactory Certificates from at least three (3) clients each for the last three (3) years for similar contracts. For the purpose of this TOR, similar Contracts refers to the minimum bandwidth service specified in this project. Proof that they can provide internet connection with the specified bandwidth in the documents.

IV. Technical Requirements

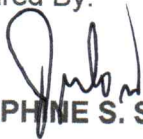
- The technical requirements and evaluation parameters are as follows:

ISP arising out of or in connection with or on the occasion of the performance of their functions provided in this agreement. The ISP shall at all times, stand solely liable and responsible for the enforcement of, and compliance with existing laws, rules and regulations and binds itself to the provisions of the Contract and this TOR and/or arising therefrom.

VIII. Implementation Timeline

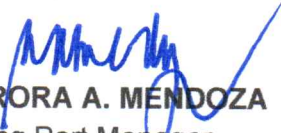
All installation works shall be accomplished, and all connections launched within fifteen (15) days after the signing of the Contract.

Prepared By:



JOSEPHINE S. SALOSAGCOL
End-User/Acting RMD Manager

Noted By:



AURORA A. MENDOZA
Acting Port Manager

Conforme:

Authorized Signatory