

## INSTRUCTIONS to SUPPLIER

**PROJECT: ONE (1) LOT SUPPLY OF SUPERVISION, LABOR, MATERIALS AND OTHER CONSUMABLES FOR THE REPLACEMENT OF NETWORK CABLE BACKBONE INTO FIBER NETWORK CABLE BACK BONE.**

### **01. GENERAL REQUIREMENTS:**

- 01.1. Site inspection for validation of measurement for Fiber network cable backbone component;
- 01.2. Submit company profile including PhilGEPS Registration;
- 01.3. Mobilization/Demobilization secure necessary permits before start of the project; and,
- 01.4. Provide manpower list, work schedules and equipment list.

### **02. SCOPE OF WORKS**

- 02.1. Coordinate to COSM-MIS for the project implementation assisted by the Engineering services;
- 02.2. Replace all existing network cable backbone one by one and on time schedules;
- 02.3. Supply and install roughing-in materials such as PVC Pipes and boxes including all necessary supports, brackets, hangers, fitting and accessories use for horizontal and vertical cable distribution.
- 02.4. Supply, install and commissioning of Fiber network cable backbone on the following floors :
  - 02.4.1. 6<sup>th</sup> floor A;
  - 02.4.2. 5<sup>th</sup> floor A;
  - 02.4.3. 4<sup>th</sup> floor A;
  - 02.4.4. 3<sup>rd</sup> floor A;
  - 02.4.5. 4<sup>th</sup> floor B;
  - 02.4.6. 3<sup>rd</sup> floor B;
  - 02.4.7. 1<sup>st</sup> floor B ; and,
  - 02.4.8. Basement.
  - 02.4.9. Specifications of Fiber cable
    - 02.4.9.1. outdoor armored multi-mode 6 core (450meters) ;
    - 02.4.9.2. Fluke Testing OTDR test for cabling test; and
    - 02.4.9.3. provide rough-in and cable tray.
  - 02.4.10. Specifications for IDF side
    - 02.4.10.1. 12 port fiber patch panel loaded with SC coupler (8sets) ;
    - 02.4.10.2. provide SC connector and module;
    - 02.4.10.3. provide fiber patchcord (SC-LC);
    - 02.4.10.4. provide network switch with 4 fiber optic transceiver , 10/100/1000 mbps with two SFP switch (5units) ;
    - 02.4.10.5. limited warranty for network switch; and
    - 02.4.10.6. provide Uninterruptible Power Supply (UPS) 1000VA (7units).
  - 02.4.11. Specifications for MDF side
    - 02.4.11.1. 24 port fiber patch panel board with SC coupler (2sets)
    - 02.4.11.2. provide Network core switch with 4 fiber optic transceiver, 10/100/1000 mbps with four SFP port (1unit);
    - 02.4.11.3. provide CAT 6 network cable patch cord 5meters (3pcs)

- 02.5. Terminate, testing and commissioning of all installed fiber optic cables and devices.

**03. CLEANING / CLEARING / HAULING AND TURNOVER:**

- 03.1. Restore to its original condition any facilities and areas that has been damaged due to accidents arising from installation;
- 03.2. Clean the areas before turn-over; and,
- 03.3. Turn-over the entire project for acceptance to COSM assisted by Engineering Services.

**04. POST-INSTALLATION DOCUMENTS:**

*Submit the following documents for final inspection and test results for reference purposes.*

- 04.1. Original Copy of “Record drawings / Plan” complete with legend, technical specifications, test results and measurements;
- 04.2. Certification from the contractor specifying warranty of at least one (1) year for the entire project and limited lifetime warranty for the network switch; and,
- 04.3. Project duration should be sixty (90) calendar days from the date purchase order is conformed by the contractor.

**05. OTHER REQUIREMENTS:**

- 05.1. All work-details and schedule should be submitted and approved by the DAP COSM-MIS assisted by Engineering Services before the Contractor begins to work;
- 05.2. Submit hard and soft copy of before, on-going and after pictures; and,
- 05.3. Training and transfer technology to staff personnel from COSM-MIS.

Prepared by:	Recommending approval by:	Approved by:
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