



Central Portal for  
Philippine Government  
Procurement Opportunities

## Bid Notice Abstract

### Request for Quotation (RFQ)

**Reference Number** 9085535  
**Procuring Entity** DEPARTMENT OF TOURISM  
**Title** PROCUREMENT OF SUPPLY AND DELIVERY OF ROUTER MESH, 16 PORTS & 8 PORTS NETWORK SWITCH  
**Area of Delivery** Metro Manila

<b>Solicitation Number:</b>	2022-10-0160	<b>Status</b>	<b>Pending</b>
<b>Trade Agreement:</b>	Implementing Rules and Regulations	<b>Associated Components</b>	2
<b>Procurement Mode:</b>	Negotiated Procurement - Small Value Procurement (Sec. 53.9)	<b>Bid Supplements</b>	0
<b>Classification:</b>	Goods	<b>Document Request List</b>	0
<b>Category:</b>	Information Technology Parts & Accessories & Perip	<b>Date Published</b>	06/10/2022
<b>Approved Budget for the Contract:</b>	PHP 190,313.10	<b>Last Updated / Time</b>	05/10/2022 20:26 PM
<b>Delivery Period:</b>	30 Day/s	<b>Closing Date / Time</b>	11/10/2022 15:00 PM
<b>Client Agency:</b>			
<b>Contact Person:</b>	FELICISIMO EVANGELISTA MAXIMO Admin. Officer III 351 Sen. Gil Puyat Avenue Makati City Metro Manila Philippines 1200 63-02-4595200 Ext.425 63-02-8900189 femaximo@tourism.gov.ph		

#### Description

##### TERMS OF REFERENCE

##### Objectives

This Project aims to provide immediate network and internet services to all DOT operating units so as to not hamper the daily operations of the Department. Specifically, it aims to:

- o Replace all burned and defective units of the network switches and access points (WI-FI); and
- o Replace all damaged LAN connections of affected operating units.

##### Scope of Services:

- o Shall deliver six (6) packs of router mesh, twenty-two (22) units 16-ports gigabit switch, five (5) units 8-ports gigabit switch to the Department of Tourism at number 351 Sen Gil Puyat Ave, Makati City.
- o Delivery shall be free of charge within Metro Manila.
- o Shall assist the DOT in the installation

o IT Supplier Requirements

- Provider must have its own(dedicated) IT Technical Team present in the location during all stages, but not limited to, such as installation, configuration, testing and deployment of the system. Submission of all identification (ID) of each IT personnel is still a requirement.

1 Senior System Engr, 3 Junior System Engr

Must provide IT organizational chart

Must provide photocopy Identification (ID) of each IT personnel

Must be directly hired by the provider NO outsourcing of IT Technical Team

- Installation of AP and switches is included
- Configuration of mesh network with 1 single ssid.
- Civil works is not included
- Must provide at least one (1) technical support number.
- Must be in the information technology system business for at least five (5) years.

o Must be branded like or equivalent to such as Linksys, Asus, TP-link, Netgear, Dlink, Tenda, and Cisco.

I. Technical Specifications:

A. Router Mesh (3 per packs)

-Standards:

-Wi-Fi 6

-IEEE 802.11ax/ac/n/a 5 GHz

-IEEE 802.11ax/n/b/g 2.4 GHz

WiFi Speeds:

-AX3000

-5 GHz: 2402 Mbps (802.11ax, HE160)

-2.4 GHz: 574 Mbps (802.11ax)

WiFi Range:

a) Mesh Technology

Optional Ethernet backhaul work together to link Deco units to provide seamless coverage

b) AI-Driven Mesh

Intelligently learns the network environment to provide ideal Wi-Fi unique to your home

c) 2x Antennas (Internal)

Multiple antennas form a signal-boosting array to cover more directions and large areas

d) Beamforming

Concentrates wireless signal strength towards clients to expand WiFi range

WiFi Capacity:

a) Dual-Band

Distribute devices to different bands for optimal performance

b) 2x2 MU-MIMO

Simultaneously communicates with multiple MU-MIMO clients

c) OFDMA

Simultaneously communicates with multiple WiFi 6 clients

d) 4 Streams

More than enough bandwidth for connected devices

Working Modes:

-Router Mode

-Access Point Mode

HARDWARE:

a) Processor -- 1 GHz Dual-Core CPU

b) Button -- Reset Button

c) Ethernet Ports --- 3x Gigabit Ports

\*Per Unit

Supports WAN/LAN auto-sensing

SECURITY

-WiFi Encryption:

-WPA-Personal

-WPA2-Personal

-WPA3-Personal

Guest Network:

1x 5 GHz Guest Network

1x 2.4 GHz Guest Network

SOFTWARE:

- a) Protocols --- IPv4, IPv6
- b) Service Kits --- HomeShield

**Parental Controls:**

- Custom Profiles
- Professional Content Filter Library
- Family Time
- Bedtime
- Off Time
- Time Rewards
- Family Online Time Ranking
- Pause the Internet
- Weekly and Monthly Reports

**WAN Types:**

- Dynamic IP
- Static IP
- PPPoE
- PPTP
- L2TP

**Quality of Service: QoS by Device****Cloud Service:**

- OTA Firmware Upgrade
- ID
- DDNS

**NAT Forwarding:**

- Port Forwarding
- UPnP

**IPTV:**

- IGMP Proxy
- IGMP Snooping
- Bridge
- Tag VLAN

**DHCP:**

- Address Reservation
- DHCP Client List
- Server

**Management: Management APP****PHYSICAL:**

-Dimensions (WxDxH) = 4.33 x 4.33 x 4.49 in./ (110 x 110 x 114 mm)

**Package Contents:**

- X50 (3-pack)
- 3 X50 units
- 1 RJ45 Ethernet cable
- 3 Power adapters
- 1 Quick Installation Guide

**OTHERS:****System Requirements:**

- Android 4.4 or later
- iOS 9.0 or later

Certifications: CE, FCC, RoHS, RCM

**Environment:**

- Operating Temperature: 0°C~40°C (32°F~104°F)
  - Storage Temperature: -40°C~70°C (-40°F~158°F)
  - Operating Humidity: 10%~90% non-condensing
  - Storage Humidity: 5%~90% non-condensing
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**B. Unmanaged 16 Port Network Switch**

Standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3x  
Network Ports: 16\*10/100/1000Mbps RJ45 ports  
Auto Negotiation: YES  
Auto MDI/MDIX: YES

Systems: Windows 2000/XP/Vista/7 Linux/MAC OS  
 Forwarding Mode: Store and Forward  
 Switch Capacity: 32 Gbps  
 MAC Address Table: 8 K  
 Jumbo Frame: 10 KB  
 Flow Control: YES  
 Fanless: YES  
 Green Technology: YES  
 Power Saving: Up to 40%  
 LED: Power, 1000Mbps, Link/Act  
 Dimensions: 294\*180\*44mm  
 Temperature: 0°C~40°C (32°F~104°F)  
 Storage Temperature: -40°C~70°C (-40°F~158°F)  
 Operating Humidity: 10%~90% non-condensing  
 Storage Humidity: 5%~90% non-condensing  
 Ordering Information: 16-Port Gigabit switch

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C. Unmanaged 8 Port Network Switch

Standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3x  
 Interface: 8 10/100/1000Mbps RJ45 Ports, Auto-Negotiation, Auto MDI/MDIX  
 Switching Features: Half and Full Duplex MAC Address Learning  
 Transfer Method: Store and Forward  
 Forwarding Rates: 10BASE-T: 14880pps/port 100BASE-TX: 14880pps/port 1000BASE-T:148800pps/port  
 Switching Capacity: 16Gbps  
 Mac Address Table: 8k  
 Jumbo Frame: 15KByte  
 Power Saving: 80%  
 LEDs: Per Unit = Power; Per Port = Link/Act  
 Power Supply: External Power Adapter (Output: 9V 0.6A)  
 Certifications: CE, FCC, RoHS  
 Dimensions: 7.1 \* 3.5 \* 1.0 in. (180 \* 90 \* 25.5 mm)  
 Environment:  
 - Operating Temperature: 0°C~40°C (32°F~104°F)  
 - Storage Temperature: -40°C~70°C (-40°F~158°F)  
 - Operating Humidity: 10% ~ 90%, non-condensing  
 - Storage Humidity: 5%~90% non-condensing

Summary:

Item: Router WI-FI (3 per packs)  
 Quantity: 6  
 Budget: Php 80,309.10

Item: Unmanaged 16 Port Network Switch  
 Quantity: 22  
 Budget: Php 93,585.80

Item: Unmanaged 8 Port Network Switch  
 Quantity: 5  
 Budget: Php 16,418.20

Total budget Php 190,313.10 inclusive of VAT chargeable against ITD 2022 funds.

Mode of Payment: Government Procedure

Delivery: 30 days upon receipt of Notice of Award  
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**Other Information**

The winning bid however, shall be determined based on the proposal with the most advantageous financial package cost, provided that the amount of the bid does not exceed the above total budget.

- Other Required Valid Documents to be submitted:
1. Current Mayor's/Business Permit
  2. PhilGEPS Number/Certificate of PhilGEPS Registration
  3. Duly Notarized Omnibus Sworn Statement

Kindly submit your quotation together with the required valid documents in a sealed envelope not later than 3:00pm of October 11,2022 at 351 DOT Building, Sen. Gil Puyat Ave., Makati City.

**Created by** FELICISIMO EVANGELISTA MAXIMO

**Date Created** 05/10/2022

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