

## **Terms of Reference**

### **Requisition of DNS and DHCP Server**

#### **Background**

The Department of Tourism (DOT) is the national government agency charged with the responsibility to encourage, promote and develop tourism as major socio-economic activity to generate foreign currency and employment and to spread the benefits of tourism to both the private and public sector.

In order for the DOT to function based on the above, it has to have the necessary data to analyze current situations and trends, as well as, database of its systems and processes which includes its online accreditation system. Which also requires necessary ICT equipment such as but not limited to servers and data storage to house those systems.

The existing DNS and DHCP server which control the traffic and network connection of DOT is more than 7 years old and has deteriorated since it was purchase in 2007. Which will require for replacement in order for the properly and efficiently manage the traffic and network connection of the DOT.

#### **Objectives**

The main objective is to ensure that the DOT operation will not be hampered and maintain its working condition and efficiency to be able to delivered DOT services to our stakeholders.

#### **Scope of the Services**

- I. The IT firm shall provide the following:
  1. Shall deliver, install and configure one (1) unit DNS and DHCP server; and its corresponding software such as but not limited to operating system, database, etc. and including the appropriate cables, wiring, and railings. In addition, all other cables, wiring and railings that comes with the box should be included to ensure that the servers are ready for installation.
  2. Delivery shall be free of charge.
  3. All software installed in all units must have a box, copy of license agreement and a serial number. These items must be turned over to DOT and to keep the software registered and updated.
  4. The servers and software shall be compatible with the DOT's existing servers and software.

5. Provision and changes of license/application such as but not limited to Microsoft Server, Microsoft SharePoint, other Microsoft Products and other licenses/applications required for the operation of the existing DOT application system.
6. The server must be updated to its latest security protection and all service package must be installed.
7. Provide a full stress tests to all units from start to end for 3 consecutive days in full actual operations of DOT and shall provide test result reports. All bugs, error, misconfigurations, software problems, incompatibility, and down time connection found in each unit must fixed, replaced or pulled out. The stress test must be repeated after the resolving the problems until no problems were found, then that is the time the units will be deployed for actual DOT operations.
8. Shall provide 5-year maintenance for the servers and software, free of charge.
9. 5-year warranty, for spare parts and labor. Spare parts are readily and immediately available for replacement of defective part/s.
10. Shall provide four (4)-hour response time upon receipt of call and next business day on-site visit when necessary.
11. Shall assist the DOT in the installation of its application system in the server.
12. Shall provide Administrator Training and Server Management Training to IT Division.
13. Shall provide complete documentation such as but not limited to server connection diagram, listing, paper licenses, etc....
14. Shall provide administration manual and user manual.
15. Shall provide training certificates to trainee.
16. Shall provide at least 2 IT personnel to oversee, monitor and perform on-site support after installation and configuration of server, twice a week for a period of 1 – 2 months.

## II. Server Requirements

### a. DNS and DHCP Server Requirements (1 Units) [ Php 1,401,346 / unit]

Processor (2 CPU Slot)	CPU 1	Intel Xeon Silver 4109T 2.0G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (70W) DDR4-2400
	CPU 2	Intel Xeon Silver 4109T 2.0G, 8C/16T, 9.6GT/s 2UPI, 11M Cache, Turbo, HT (70W) DDR4-2400
Heatsink		2 x Standard Heatsink for PowerEdge R730/R730xd
Motherboard		PE R730/xd Motherboard MLK
Bezel		EMC QSYNC Bezel
Memory		1 x 2400MT/s RDIMMs 4 x 16GB RDIMM, 2400MT/s, Dual Rank, x8 Data Width
Storage		2 x 300GB 15K RPM SAS 2.5in Hot-plug Hard Drive
Optical Drive		DVD+/-RW, SATA, Internal
Fan		Fresh Air Cooling, R730
Slots		DIMM Blanks for System with 2 Processors R730/xd PCIe Riser 2, Center

	R730 PCIe Riser 3, Left
	R730/xd PCIe Riser 1, Right
Raid	PERC H730P RAID Controller, 2Gb NV Cache, Minicard RAID 1 for H330/H730/H730P
Power Management	Power Saving Active Power Controller
Network Controller	2 x Broadcom 5720 QP 1Gb Network Daughter Card 2 x QLogic 57810 Dual Port 10Gb Base-T Network Adapter
Communication	2 x Qlogic 2560 Single Channel 8Gb Optical Fibre Channel HBA PCIe, Low Profile
Power	Dual, Hot-plug, Redundant Power Supply (1+1), 750W, Titanium, 200-240VAC 2 x Long Jumper Cord, C13-C14,4m,12a
System Documentation:	No Systems Documentation, No OpenManage DVD Kit
Chassis	Chassis with up to 16, 2.5" Hard Drives Chassis with up to 8, 3.5" Hard Drives
Operating System	Windows Server 2012R2 Standard Edition, Factory Installed, No Media, 2 Socket, 2 VMs,NO CALs  Windows Server 2012R2 Standard, Media, FI Standard Ed Downgrade image, Eng
Embedded Systems Management	iDRAC8 Enterprise, integrated Dell Remote Access Controller, Enterprise
License	2 x 10-pack of Windows Server 2016,2012 Device CALs (Standard)
Support	5Yr Mission Critical: (7x24) 4-hour Onsite Service Mission Critical:(7x24) 4-hour Onsite Service, Year 1-3 Mission Critical:(7x24) 4-hour Onsite Service, Year 4-5 Mission Critical:7x24 Technical Support & Assistance: 5Yr
Rail	ReadyRails Sliding Rails With Cable Management Arm
Warranty	Limited Warranty:Yr1-5 (Labor)-VN,PK,PH,BN,SL,BD Limited Warranty:Yr1-5 (Parts)-VN,PK,PH,BN,SL,BD
Delivery	Ex – factory Delivery

Item	Quantity	Unit Cost	Total Cost
DNS and DHCP Server	1	1,401,346.00	1,401,346.00

### Approved Budget Cost (ABC)

The cost for the replacement for the DNS and DHCP server was estimated at Php 1,401,346.00 chargeable against OTDPRIM.