

Invitation to Tender

Supply, Delivery, Installation, Configuration, Deployment, Testing, Training, Commissioning for the Enhancement of AITI's Storage Area Network, Servers, Backup Solution, Network Infrastructure and E-mail Exchange

Reference:	AITI/8/1/SAN Server Backup Network Email/10.20
Opening Date:	Thursday, 08 October 2020
Closing Date:	Monday, 09 November 2020 at 3:00pm
Procurement Focal Person:	Rabiatul Moneerah Binti Haji Mansor
E-mail:	procurement@aiti.gov.bn
Information Day:	TBC
Document Fee (non-refundable):	BND 200.00

EXECUTIVE SUMMARY

This executive summary contains the high-level scope of work involved in the project.

1. The objectives of this project are:
 - 1.1. To consolidate the existing physical server infrastructure into a virtual infrastructure, reducing associated costs of maintenance with a view to improve the overall performance of networks and applications as well as to enhance security enabled with strong data protection capabilities;
 - 1.2. To enable a robust, scalable, reliable, high-speed, high-available, secured, clustered virtual server and network architecture;
 - 1.3. To enable a robust and scalable centralised management and enterprise backup solution for critical workload, systems, virtual machines, application, and data, which should also be cloud ready for future use; and
 - 1.4. To upgrade and migrate an obsolete e-mail application system software to an updated version.
2. The high-level scope of work involves:
 - 2.1. **Storage Area Network (SAN)**
 - (a) Provision of DELL SAN Storage Server
 - (b) Provision of SAN Fiber Channel Network Switch
 - (c) Provision of DELL Server
 - (d) Provision of Upgrades for existing DELL Servers
 - (e) Implementation of Fail-over Clustering, SAN configuration and required Windows Operating System configuration
 - 2.2. **Backup Solution**
 - (a) Implementation and upgrade existing Microsoft System Center Data Protection Manager 2012 to version 2016
 - (b) Implement backup for different levels – file, system (physical) and virtual machines (VM)
 - (c) Implement backup on application level – i.e. SQL, Exchange, SharePoint
 - (d) Implement automated backup on schedule
 - (e) Implement Recover and Restore environment
 - 2.3. **Network Switch Equipment and Cabling**
 - (a) Provision of Network Switch
 - (b) Provision of Fiber Optic Network Switch
 - (c) Provision of Fiber Optic Cabling

2.4. E-mail Solution

- (a) Upgrade of existing Exchange 2010 to Exchange 2016
- (b) Design, plan, pre-requisite check and compatibility testing
- (c) Implement and pilot test
- (d) Migration, decommission and monitor

2.5. Microsoft Licences

- (a) Microsoft Core Infrastructure Suite Datacenter
- (b) Microsoft Desktop Pro

2.6. Professional Services

- (a) Study and analyse the existing network infrastructure, server architecture design and application setup;
- (b) Identify risks, prepare risk plan, and action as required;
- (c) Installation and configuration of SAN system, Backup system and Exchange system
- (d) Migration of existing data, pre-testing (pilot) of new deployed environment, preparation of rollback, backup plan; and
- (e) Proper work conduct; organized, clean-up and care shall be maintained during handling of all activities.

[THE REMAINDER OF THIS PAGE IS LEFT INTENTIONALLY BLANK]