Request for Information for IBM Storage Solutions

1. Introduction

1.1 Background

1.1.1   EGNC is proposing for a new storage appliance.

1.1.2   This Request For Information (RFI) is conducted to explore product capability, product availability and local support.

1.2 Objective of RFI

1.2.1   The following are the main objectives for this RFI:

      1.2.1.1   Current Product capability

      1.2.1.2   Current Brunei market product offering

      1.2.1.3   Current Brunei market support

      1.2.1.4   Current Estimated market pricing

1.3 Terms and Conditions

1.3.1   One (1) electronic copy over email clearly marked with the title "Request for Information for IBM Storage Solutions - EGNC/PM/4/2018" should be submitted on or **before 4:30pm** local time on **Thursday, 15 February 2018** addressed to the following:

      Email: cloud.service@egc.gov.bn

      Attention to: Anna Sabrina Awang Md Akip

1.3.2   All responses received shall become the property of the E-Government National Centre and will not be returned.

1.3.3   EGNC will not accept any responsibility for costs incurred in responding to this Request For Information.

1.3.4   Submitting a response does not present a commitment on the part of EGNC to proceed further in this process or plan with any Respondent.

1.3.5   EGNC may at its discretion, enter into discussions or negotiations with any Respondent, request further information from the marketplace, or pursue other options.

1.3.6   EGNC may request for a demo or proof of concept for each item stated in this RFI requirement for further review.

1.3.7   Questions regarding submission requirements or any technical questions regarding this RFI should be directed to the above email address.

1.3.8   The RFI does not constitute a commitment to offer of a Contract or prospective Contract.

2. Eligilibity Criteria

2.1   All ICT companies but preferably the respondents should have an office locally in Brunei Darussalam or through local partner in Brunei.

2.2   Respondents should not be blacklisted by the Government of Brunei Darussalam.

3. Statement of Requirements

3.1 EGNC is proposing to request info and qoute for 2 types of IBM Storage Solutions.

Item 1

3.2 All flash storage.

        3.2.1.1   Enterprise Storage Systems.

        3.2.1.2   Up to 512GB memory

        3.2.1.3   10Gbe connectivity and 1Gbe management port

        3.2.1.4   50,000 IOPs perfomance

        3.2.1.5   Minimum of 1PB usable capacity.

3.2.2   Ability to scale out.

3.2.3   Ability of software define storage.

3.2.4   Mininum warranty of 1 year.

3.2.5   Subscription for 3 years (if applicable).

3.2.6   Compatible with VMWare Cloud Foundation.

3.3 Professional Services qouted for

3.3.1   Supply and delivery of of storage solutions

3.3.2   Installation of storage solutions

3.3.3   Configuration of storage solutions

3.3.4   Commissioning of storage solutions

3.4 Support

3.4.1   Onsite hardware and software support for 3 years (where applicable).

Item 2

3.5 Mixture of SSD (30%) and SAS (70%) storage.

        3.5.1.1   Midrange Storage Systems

        3.5.1.2   Up to 512GB memory

        3.5.1.3   10Gbe connectivity and 1Gbe management port

        3.5.1.4   50,000 IOPs perfomance

        3.5.1.5   Minimum of 1PB usable capacity.

3.5.2   Ability to scale out.

3.5.3   Ability of software define storage.

3.5.4   Mininum warranty of 1 year.

3.5.5   Subscription for 3 years (if applicable).

3.5.6   Compatible with VMWare Cloud Foundation.

3.6 Professional Services qouted for

3.6.1   Supply and delivery of of storage solutions

3.6.2   Installation of storage solutions

3.6.3   Configuration of storage solutions

3.6.4   Commissioning of storage solutions

3.7 Support

3.7.1   Onsite hardware and software support for 3 years (where applicable).

4. Submission of RFI

4.1 Submission format

4.1.1   Respondents shall submit the RFI in the following format:

    4.1.1.1   Title Page

        a) The title page should indicate the title "Request for Information for IBM Storage Solutions - EGNC/PM/4/2018", Respondent name, address, telephone and fax number, email address and contact person's name.

        b) Table of Contents/Index

    4.1.1.2   Section 1: Corporate Experience

        a) Describe the type of company (e.g. Limited Companies)

        b) Describe the company size

        c) Provide client references if applicable

    4.1.1.3   Section 2: Corporate Capability

        a) Describe capability (financial, experience and workload capacity) to undertake this project

    4.1.1.4   Section 3: Proposed Model/Solution

        a) A summarized brief description for each of the proposed service/solution.

    4.1.1.5   Section 4:

        a) Provide a table Respond for Price which the Respondent will undertake for the project based on Annex A.

    4.1.1.6   Section 5:

        a) Other applicable attachments can be included and listed under Additional Information.

Annex A: Respond for Price

Item	Description	Compliance (Y/N)	Propose model Please attached the product brochure with Spec separately	Quantity	Unit Price (BND)	Total (BND)	Remarks
	Annex A: Request for Information for IBM Storage Solutions - EGNC/RFI/4/2018						
1	**Item 1 Requirements**						
1.1	All flash storage.						
	Hardware						
	Software (if applicable)						
	Up to 512GB memory				■■■■	■■■■	
1.2	Enterprise Storage Systems				■■■■	■■■■	
1.3	Ability to scale out				■■■■	■■■■	
1.4	Ability of software define storage				■■■■	■■■■	
1.5	Mininum warranty of 1 year				■■■■	■■■■	
1.6	Subscription for 3 years (if applicable)						
1.7	Compatible with VMWare Cloud Foundation				■■■■	■■■■	
2	**Technical Requirements**						
2.1	Key features		Please state any available features		■■■■	■■■■	
	Access protocols: • SMB (1 / 2.0 / 2.1 / 3) • NFS (3 / 4.0 / 4.1)				■■■■	■■■■	
	Tiering				■■■■	■■■■	
	Multi-tenancy				■■■■	■■■■	
	Authentication • Active Directory				■■■■	■■■■	

	• LDAP • Local			
	50,000 IOPs performance			
	Chassis Form Factor			
2.2	Storage/cluster features		Please state any available features	
	Minimum of 1PB usable capacity			
	SSD			
	SATA			
	NVMe			
	scalability			
	Elasticity			
	Self healing			
	Encryption			
	Snapshot policy			
	Quota policy			
	Folder size limit (GB/TB/PB)			
	Data addressing • File system • Block • Objects			
	Availability > 99.999 %			
2.3	Network features		Please state any available features	
	10Gbe ports			
	1Gbe ports			
	10/25Gbe ports			
	Virtual IP			
	VLAN			
	Bonding/Link Aggregation			

	Rolling upgrades				
2.4	Management features		Please state any available features		
	Management tools • Performance • Configuration • Health • Alerts				
	Alarms • SNMP • E-mail				
	Logging through management tool • Remote syslog (rsyslog) • SNMP v2c				
	API • REST API • Usage statistics				
	Portal • Integrated with vRealize • Visual				
	Software define • Automation • Commodity hardware				
3	**Professional Services (Proposed)**				
3.1	Supply and Delivery				
3.2	Installation				
3.3	Configuration				
3.4	Commissioning				

Item	Description	Compliance (Y/N)	Propose model	Quantity	Unit Price (BND)	Total (BND)	Remarks
4	**Support (Proposed)**						
4.1	Onsite hardware and software support for 3 years (where applicable).						
					Grand Total		

	Annex A: Request for Information for IBM Storage Solutions - EGNC/RFI/4/2018						
Item	Description	Compliance (Y/N)	Propose model — Please attached the product brochure with Spec separately	Quantity	Unit Price (BND)	Total (BND)	Remarks
1	**Item 2 Requirements**						
1.1	Mixture of SSD (30%) and SAS (70%) storage.						
	Hardware						
	Software (if applicable)						
	Up to 512GB memory				███	███	
1.2	Midrange Storage Systems				███	███	
1.3	Ability to scale out				███	███	
1.4	Ability of software define storage				███	███	
1.5	Mininum warranty of 1 year				███		
1.6	Subscription for 3 years (if applicable)						
1.7	Compatible with VMWare Cloud Foundation				███		
2	**Technical Requirements**						
2.1	Key features		Please state any available features		███		
	Access protocols: • SMB (1 / 2.0 / 2.1 / 3) • NFS (3 / 4.0 / 4.1)				███		

	Tiering				
	Multi-tenancy				
	Authentication				
	• Active Directory				
	• LDAP				
	• Local				
	50,000 IOPs performance				
	Chassis Form Factor				
2.2	Storage/cluster features		Please state any available features		
	Minimum of 1PB usable capacity				
	SSD				
	SATA				
	NVMe				
	HDD				
	SAS				
	scalability				
	Elasticity				
	Self healing				
	Encryption				
	Snapshot policy				
	Quota policy				
	Folder size limit (GB/TB/PB)				
	Data addressing				
	• File system				
	• Block				
	• Objects				
	Availability > 99.999 %				
2.3	Network features		Please state any available features		

	10Gbe ports				
	1Gbe ports				
	10/25Gbe ports				
	Virtual IP				
	VLAN				
	Bonding/Link Aggregation				
	Rolling upgrades				
2.4	Management features		Please state any available features		
	Management tools • Performance • Configuration • Health • Alerts				
	Alarms • SNMP • E-mail				
	Logging through management tool • Remote syslog (rsyslog) • SNMP v2c				
	API • REST API • Usage statistics				
	Portal • Integrated with vRealize • Visual				
	Software define • Automation • Commodity hardware				

3	**Professional Services (Proposed)**						
3.1	Supply and Delivery						
3.2	Installation						
3.3	Configuration						
3.4	Commissioning						
4	**Support (Proposed)**						
4.1	Onsite hardware and software support for 3 years (where applicable).						
					Grand Total		