

Memo No.: 56.01.0000.046.07.049.23-1851

Date: 30 January 2024

Minutes of Pre-Proposal Meeting

Contract title: Supply, Installation and Commissioning for Expansion of the Cloud Platform (IaaS) in the National Data Center at BCC.

Request For Proposals No: EDGE-G1A

Date and Time: 2 January 2024, 11.00 a.m.

Venue: Conference Room of EDGE Project.

The Project Director of Enhancing Digital Government and Economy (EDGE) Project welcomed all the participants (**Attachment-1**) and requested the Deputy Project Director to start the meeting. Deputy Project Director of EDGE delivered a speech highlighting purchaser requirement, important milestones, evaluation steps & regulation to be followed in the procurement process. Procurement Team of EDGE Project also briefly discussed the purchaser requirement for this procurement. The meeting gave emphasis on important milestones.

The meeting was informed that the proposers were requested to submit their queries within 14 days from publication of Request for Proposals. Project authority has received no clarification/query from the potential proposers through e-mail/in person before the pre-proposal conference. The Project Director opened the floor for discussion on clarifications with the potential proposer's representatives present in the meeting. All the queries asked by the participants were noted to formulate a uniform written response.

Project Director requested the participants to send their queries on or before 3 January 2024. The written response to the queries will be sent in due time.

Project authority has received the following queries through email/meeting from the potential proposers. The responses are provided for each the query received (**Attachment-2**).

Having no other queries to be clarified, the meeting ended with a vote of thanks from the Project Director.


30.01.24
(Md Shakhawat Hossain)
Project Director (Joint Secretary)


Memo No.: 56.01.0000.046.07.049.23-

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Copy forwarded for kind information & necessary action with request to acknowledge receipt in writing within 2 days:

1.....
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2. Office Copy


30.01.24
(Md Shakhawat Hossain)
Project Director (Joint Secretary)

Attendance Sheet



Enhancing Digital Government and Economy (EDGE)
 Bangladesh Computer Council (BCC)
 Information And Communication Technology Division (ICTD)
 Ministry Of Posts, Telecommunications and Information Technology
 Youth Tower (Level-3,4&5), Plot # 822/2, Rokeya Sarani, Dhaka-1216, Bangladesh
 Phone: +880255007193, Fax: +880255006791, E-Mail: pd.edge@bcc.gov.bd, Website: www.bcc.gov.bd



Attendance Sheet (Firms Representative)
Pre-Proposal Conference

For

Contract Package Name: Supply, Installation and Commissioning for Expansion of the Cloud Platform (IaaS) in the National Data Center at BCC

Contract Package No: Contract Package No: EDGE-G1A

Time: 11:00 AM

Date: January 2, 2024

SL	Name & Designation	Organization	Signature & Contract Number
01	Mohammad Azizul Islam Asst. Manager NDE Infantech Ltd.	NDE Infantech Ltd.	 01835-199477 aziz@ndeinfantech.com
02	Moshur Ahmed Manager-Pre Sales	Sharkool Information Systems Pvt Ltd.	MOSHUR AHMED @sharkool-tel.com 01711343367
03	Mohammad Masud Manager, Sales.	Thursaid Information Systems Pvt. Ltd.	Masud 02-1-2024 01730271379
04			
05			

**Responses of Queries for Supply, Installation and Commissioning for Expansion of the Cloud Platform (IaaS) in the National Data Center at BCC
(Contract Package # EDGE-G1A)**

Sl. No.	Page/ Clause Number/ Item Name	Clause/ Requirement	Question/Clarification Sought	Project Response
1	2	3	4	5
1	Section III Evaluation and Qualification Criteria 1.4 Experience for Lot-1 Page: 69	<p>1.4.2 Specific Experience: Participation as a prime supplier, management contractor, JV1 member, sub-contractor, (i) one contract must be on implementation of Hyper Converged Infrastructure (HCI) of value of at least US\$ 1.0 million in the last five years and (ii) Similar contracts of cumulative value of at least US\$ 5 million or equivalent amount in the last five years, that have been successfully and substantially completed and that are similar to the proposed Information System. The contract will be treated as similar, which includes establishment of Hyper Converged Infrastructure, with similar type of installation as described in Section VII, Purchaser's Requirements.</p> <p>The successfully completed similar contracts shall be documented by a copy of an Operational acceptance certificate (or equivalent documentation satisfactory to the Purchaser) issued by the purchaser(s). The successful supply completion certificate issued by the Proposer's parent/subsidiary/sister/affiliate firm will not be considered for specific experience.</p>	<p>1.4.2 Participation as a prime supplier, management contractor, JV1 member, sub-contractor, (i) one contract must be on implementation of Hyper Converged Infrastructure (HCI) of value of at least US\$ 1.0 million in the last Five (5) years and (ii) Similar contracts of cumulative value of at least US\$ 5 million or equivalent amount in the last Five (5) years, that have been successfully and substantially completed and that are similar to the proposed Information System. The contract will be treated as similar, which includes establishment of active equipment of Data Center Infrastructure (Server, Storage, Network, SAN Switch, etc.)</p> <p>Hyper Converged Infrastructure, with similar type of installation as described in Section VII, Purchaser's Requirements.</p> <p>The successfully completed similar contracts shall be documented by a copy of an Operational acceptance certificate (or equivalent documentation satisfactory to the</p>	Refer to the Addendum No. 1 to RFP No. EDGE-G1A

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			<p>Purchaser) issued by the purchaser(s). The successful supply completion certificate issued by the Proposer's parent/subsidiary/sister/affiliate firm will not be considered for specific experience.</p> <p><i>Requesting to consider the</i> cumulative value for No. (i) & (II), please also consider the definition of similar contract as requested, otherwise both of No. (i) & (II) will be same requirements.</p>	
2	<p>Section II – Proposal Data Sheet</p> <p>ITP1.1</p> <p>Page: 45</p>	<p>Lot-1: Supply, Installation and Commissioning of Expansion of Existing Nutanix Private Cloud Platform in National Data Center at BCC</p> <p>Lot: 2: Supply, Installation and Commissioning of Expansion of Existing Private Cloud Platform (DC & DR) in National Data Center at BCC</p>	<p>Lot 1: As per our understanding, Nutanix Private Cloud is already deployed in the environment and proposer need to propose solution for the expansion. Please share the existing Make and Model of the hardware and software to propose interoperable solution.</p> <p>Lot 2: Please share the existing Private cloud solution details for detailed understanding which will be required to propose inter-operable solution and can be integrated with existing private cloud solution.</p>	<p>Lot 1: In DC: 10 non-GPU nodes, 2 GPU Type-1 nodes and 2 GPU type-2 nodes i.e. total 14 nodes shall be integrated with existing 6 nodes cluster</p> <p>In DR: 3 non-GPU nodes and 1 GPU type-2 node i.e. total 4 nodes shall be integrated with existing 6 nodes cluster.</p> <p>Current Cluster Software version: Acropolis OS: 6.5.3.6 Advanced Networking Controller: 2.2.0</p>

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				<p>Calm: 3.6.2 Calm Policy Engine: 3.6.2 Cluster Maintenance Utilities: 1.0.0 Epsilon: 3.6.2 Flow Network Security PC: 3.1.0 MSP: 2.4.3.2 NCC: 4.6.4 Nutanix Kubernetes Engine: 2.7.0 PC: pc.2023.1.0.1 PC Core Services: 2.11.8 Note: Any other software/feature that has been asked in the tender must be of latest stable release and shall be compatible with the existing cluster. If existing cluster software requires upgradation shall be done before adding the new nodes in the cluster.</p> <p>Please also refer to RFP Section C. SERVICE SPECIFICATIONS – SUPPLY & INSTALL ITEMS 2.1.1 High Level Design: 2.1.2 Low Level Design: 2.1.3 Integrated System.</p>

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				<p>Lot-2: BCC is operating Huawei private Cloud with Cluster (Management & Compute) in Data Center at Dhaka and another Cluster (Management & Compute) in Disaster Recovery Center at Jassore with HCS Version: 8.2. So, the proposed private cloud solution should be compatible with our existing HCS Version: 8.2 both at DC & DR.</p>
3	<p>Section VII –Purchaser’s Requirement</p> <p>1.5.11</p> <p>Page: 140</p>	<p>1.5.11 Failover Requirement The proposed solution must support failover from following aspects at a minimum: Failover in terms of sites (DC, DR) Failover for Cabinet/Rack Failover for physical nodes Failover for cluster Failover for management plane Failover for disks</p>	<p>Please confirm in case bidder need to propose Fail-over for Rack/Cabin and cluster within data-center or DC-DR failover solution will be fine to meet the mentioned requirement.</p>	<p>Need to propose for both cases.</p>




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4	Section VII – Purchaser’s Requirement 2.3 Page: 142	External Security Solution BCC has different kind of security solution for protecting its data center infrastructure at different layer as part of logical security controls. Some of the security controls/infrastructure in place are Web Application Firewall, Anti DDoS appliance, Endpoint Security Controls, Threat Intelligence etc. The proposed solution must be able to integrate with similar third-party security tools for protecting cloud data and resources. The supplier shall integrate following external security solution under this scope: <ul style="list-style-type: none"> • Anti-DDoS (Radware/F5/Array Networks) • Endpoint Security Solution (Cisco Secure Endpoint/TrendMicro/MacAfee) • Web Application Firewall (Radware/CloudBric/F5) • Other data center infrastructure The proposed cloud solution must support integration with external non-cloud infrastructure of NDC, BCC as well as it must support integration with other cloud infrastructure like PaaS infrastructure.	1. Please share the existing solution architecture to ensure interoperability with the proposed solution. Also share the make and model of existing security solution. 2. Every OEM has own solution integration with public cloud. Hence requested you to please provide us two or three option like AWS/Azure/Google for integration support. 3. Request you to please define no. of days for the KT session for more clarity.	1. Please refer response serial number 2 (Lot-1) for the answer. 2. Since it is Government private cloud thus there will be no integration with public cloud services like AWS/Azure/Google. 3. Please refer to section 2.4 Training and Training Materials. The bidder will propose the no. of days for the KT session.
5	Section VII -Purchaser’s Requirement 6.Authentication	The proposed cloud solution must support AD, LDAP and Oauth2/SAML 2.0 based identity provider for authentication to the management portal The solution should provide authentication, authorization and accounting (AAA) out of the box like VM Access rights, Edit Rights Delete Rights etc. The solution shall support granular	It is assuming that AD, LDAP and Oauth2/SAML 2.0 and AAA Solution are already deployed in the existing environment. Requesting you to please share the existing deployment details to check the interoperability with proposed solution.	Please refer to response serial number 2 (Lot-1) for the details. NDC, BCC’s existing private cloud platform is now operational and providing services to different Government entities. The existing




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1	2	3	4	5
	Page: 146	role-based access control and entitlements of infrastructure services to cloud service consumers		Private cloud is already interoperable with AD, LDAP, AUTH, SMTP, Sylog etc.
6	Section VII – Purchaser’s Requirement 21. Management & Monitoring Page: 154	Must be able to integrate with external NMS, Syslog Server, SIEM, NTP, SMTP etc.	Please provide the make and model of existing NMS, Syslog, NTP and SMTP Solution details	Please refer to response serial number 2 (Lot-1) for the details.
7	Section VII – Purchaser’s Requirement 1.4.1.7 Failover Requirement Page: 190	Failover Requirement The proposed solution must support failover from following aspects at a minimum: Failover in terms of sites (DC, DR) Failover for Cabinet/Rack Failover for physical nodes Failover for cluster Failover for disks	Please confirm in case bidder need to propose Fail-over for Rack/Cabin and cluster within datacenter or DC-DR failover solution will be fine to meet the mentioned requirement.	Need to propose for both cases.
8	Section II- Proposal Data Sheet ITP 36.2 Page: 51	The currency(ies) of the Proposal shall be converted into a single currency as follows: Bangladesh Taka (BDT) The currency that shall be used for Proposal evaluation and comparison purposes to convert all Proposal prices expressed in various currencies into a single currency is: Bangladesh Taka (BDT) The source of exchange rate shall be: Bangladesh	When Partner form a joint venture (JV) and are based in India, what is the source of the exchange rate for converting Indian Rupees (INR) to US Dollars (USD) -for calculating an experience certificate, audit report, annual turnover, etc.,	For calculating an experience certificate, audit report, annual turnover will be as per the exchange rate of that time.

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		Bank (web site: https://www.bb.org.bd/en/index.php/econdata/exchangerate)		
9	Section III-Evaluation and Qualification Criteria 1.3 Key Personnel Page: 55	Key Personnel The Proposer must demonstrate that it will have suitably qualified key personnel. The Proposer shall complete the relevant Forms in Section IV, Proposal Forms.	Please confirm us that, could we assign same person for lot 1 and lot 2? - Qualification and Experience are similar	The proposer must propose different Key Personal for each lot. As the two lots required different sets of skills and qualifications of the Key Personals.