

Pre-bid Meeting Minute

Package 01:
Procurement of Subscriptions Renewal of Red Hat Open Stack Software for Lanka Government Cloud (LGC 2.0)
[IFB No: ICTA/GOSL/SER/NCB/2020/01/PK 01]

Package 02:
Procurement of Supply, Installation and Support of Virtual Web Application Firewall for Lanka Government Cloud (LGC 2.0)
[IFB No: ICTA/GOSL/SER/NCB/2020/01/PK 02]

Date & Time : October 08, 2020 - 2.00 pm

Venue : Auditorium, 2nd Floor, ICTA

Chaired : **The Panel**
 By

Mr. Hiranya Samarasekara, Chief Technology Officer, ICTA
 Mr. Priyadarshana Jayawardana, Head of Procurement, ICTA
 Mr. Chaminda Samarathunga, Procurement Specialist, ICTA
 Mr. Nandana Suriyaarachchi, Procurement Specialist, ICTA
 Mr. Duminda Jayasuriya, Technical Lead Cloud Infrastructure, ICTA
 Mr. Malith Galketiya, Project Manager, ICTA
 Mr. Ashok Cananathan, Project Manager, ICTA

Attendance :

1.	Chalana De Silva	Gennext (Pvt) Ltd.
2.	Tharaka Piumantha	Gennext (Pvt) Ltd.
3.	Thanuja Liyanage	N-Able (Pvt) Ltd.
4.	Ammer Imran	KBSL
5.	K.D. Chamara	KBSL
6.	Sampath Wimalaweera	KBSL
7.	Sudarshana Shanthapriya	Softlogic
8.	Sachth Sumanasekara	Softlogic
9.	Kaushalya Abeyesriwardena	Melsta Technologies
10.	Amalka Annrange	South Asian Technologies (Pvt) Ltd.
11.	Roshan Iwtiez	Nexten (Pvt) Ltd.
12.	Ryan Kern	South Asian Technologies (Pvt) Ltd.
13.	Mifhuran	South Asian Technologies (Pvt) Ltd.
14.	Indika Dias	VSIS
15.	Sithara	VSIS
16.	Lashendra	Millennium ITESP

At the outset of the meeting, representatives of the bidders were briefed on the procurement process, terms and conditions of the bidding document and scope of services of this assignment. The Bidders raised the following queries and the clarifications were given below:

#	Queries (Q) raised by the Bidders and Clarifications (C)
1.	<u>Manufacturer's Authorization Format:</u>

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	<p>Q: Can you share the Manufacturer's Authorization document Format? C: Yes. Please refer Annex 1.</p>
2.	<p><u>1.2 List of Related Services: "Package 02: Procurement of Supply, Installation and Support of Virtual Web Application Firewall for Lanka Government Cloud" Page No. 33</u> Q: Is it possible to change the Delivery and Installation period from 2 weeks to 6 weeks? C: Yes. Delivery and Installation period changed to 6 weeks.</p>
3.	<p><u>CC 15.1 Payment Options : "Package 02: Procurement of Supply, Installation and Support of Virtual Web Application Firewall for Lanka Government Cloud" Page No. 56</u> Q: Is it possible to change the annual payment basis? C: No.</p>
4.	<p><u>Item No. 2 (Package 02) : "2.1 The Virtual Appliance should be in the Gartner's MQ leaders or challengers for "Web Application Firewall" in any year in the last five published reports." Page No. 35</u> Q: Is it possible to include Forrester wave or Gartner in ADC? C: No.</p>
5.	<p><u>Item No. 2 (Package 02) : "2.11 Proposed WAF instance should be configurable in such a way that multiple network zones can be configured without sharing the data between them and without any compromise of security." Page No. 35</u> Q: Does it mean multi-tenant? C: Multi tenancy should be there in proposed solution. Proposed solution should be able to maintain its own route table and policies which is isolated from other partitions/similar context.</p>
6.	<p><u>Item No. 2 (Package 02) : "2.12 The proposed solution should enable to redeploy, retire, or change appliance as needed and align capacity with business requirements." Page No. 35</u> Q: Should be able to redeploy as the given bandwidth? C: Yes. Removed the word change and agreed to reword. (Proposed solution should have capability to revoking existing license/subscription and reuse/reassign same license to different instance as needed.) Rephrased as: The proposed solution should enable to redeploy, retire appliance as needed and align capacity with business requirements.</p>
7.	<p><u>Item No. 2 (Package 02) : "2.13 Proposed solution should have flexibility to deploy additional instance to onboard expanding ministries/departments without any delay of procurement overhead." Page No. 35</u> Addendum: 2.13 Removed.</p>
8.	<p><u>Item No. 2 (Package 02) : "2.14 Should be support incremental deployments of WAF instances in the middle of the year should be counted in next following years billing usage. based billing." Page No. 35</u> Addendum: 2.14 Removed.</p>
9.	<p><u>Item No. 2 (Package 02) : "2.41 Proposed solution should have capability to redirect Brute force attack traffic to Honey Pot page." Page No. 37</u> Q: Are you looking at deception mechanism of technology in same WAF itself or different product? C: No, There is no mandatory to have deception on same proposed WAF, but proposed WAF solution should capable/support to redirect to external product.</p>
10.	<p><u>Item No. 2 (Package 02) : "2.43 The Proposed WAF Solution must have an option to have "Comment Spam IP Feed" to Block IPs to reduce spam messages in forums and user boards of customer web applications." Page No. 37</u> Q: Is it possible to change or reword the Comment Spam IP Feed?</p>

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	<p>C: Yes. Changed.</p> <p>Rephrased as: Proposed solution should have an option to receive spam IP feed and able to blacklist them to reduce spam messages in forums and user boards of customer web applications.</p>
11.	<p><u>Item No. 2 (Package 02) : “2.47 Solution should have the ability to build a base policy and inherit child policies from the same. Inheritance should support restricting modifications to the base policy settings.” Page No. 38</u></p> <p>Q: Elaborate this?</p> <p>C: This feature will be required create parent policy (base) and child policy out of it.</p>
12.	<p><u>Item No. 2 (Package 02) : “2.56 Proposed Solution should have ability dynamically generate signatures for L7 DoS attacks. These signatures should be exportable for use on 3rd party systems.” Page No. 38</u></p> <p>Q: Please clarify / Is it possible to reword?</p> <p>C: Yes. Reworded.</p> <p>Rephrased as: Proposed Solution should have ability dynamically generate signatures for L7 DoS attacks. It should also be possible to make the dynamic signatures persistent across reboot and shareable.</p>
13.	<p><u>Item No. 2 (Package 02) : “2.63 The proposed solution should support min 800 contexts or partitions or multiple profiling separately for each application without any additional license.” Page No. 38</u></p> <p>Q: Please clarify</p> <p>C: The proposed solution should support min 800 partitions/context/similar. Each partition/similar will have its own route table and policies which is isolated from other partitions. Each partition will also have its own dedicated administrative user for configuration of policies for that particular partition who will not have privilege access to other partition. Each partition will also have its own allocated bandwidth limit so that traffic from one partition does not consume resources of other partitions.</p>
14.	<p><u>Item No. 2 (Package 02) : “2.67 Should support Integrated Web Application Load balancing that helps to reduce latency and gives singular window of management. WAF & Load balancer should be on the same virtual instance.” Page No. 39</u></p> <p>Q: WAF & Load balancer should be on the same virtual instance?</p> <p>C: Yes. As per the tenant architecture in LGC2, Proposed solution should have this feature.</p>
15.	<p><u>Item No. 2 (Package 02) : “2.68 Solution should support below load balancing algorithm: Round Robin, Ratio, Least Connections, Weighted Least Connection, Ratio Least Connection” Page No. 39</u></p> <p>Q: Is it possible to provide Similar features for Least Connections, Weighted Least Connection, Ratio Least Connection?</p> <p>C: Yes. Rephrased as similar features.</p> <p>Shall read as: Solution should support below load balancing algorithm: Round Robin, Ratio, Least Connections, Weighted Least Connection, Ratio Least Connection or similar features.</p>
16.	<p><u>Item No. 2 (Package 02) : “2.71 The proposed model should be scalable to support the following optional additional features to ensure application security and business continuity with licenses as below with or without additional cost: Remote Access via SSL VPN & SSO Solution - To control & secure user access of Internal Applications Global Server Load Balancing - To load balance the traffic across multiple sites based on Geo location, latency and other metrics, DNS Firewall - To protect from dns based attacks DDoS Protection - To protect against L4 DDoS attacks” Page No. 39</u></p> <p>Q: Is Remote access via SSL VPN, SSO and GSLB required?</p> <p>C: Yes. Proposed WAF Solution should be scalable to upgrade following additional features when required in future. SSL VPN (Remote access), Global server load balancing (GSLB), DNS Firewall, L4 DDoS Protection</p>

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17.	<p><u>Item No. 2 (Package 02) : “2.72 Proposed solution should be able to integrate with external SSL visibility solution” Page No. 39</u></p> <p>Q: Does this meaning SSL offloading? C: Yes. Proposed solution must support integration with external SSL visibility solutions (SSL offloading, where SSL traffic is decrypted and sent to the WAF)</p>
18.	<p><u>Item No. 2 (Package 02) : “2.85 Solution Should have centralized Management that provides a unified point of control for the Web Application Firewall. Push centralized software updates.” Page No. 40</u></p> <p>Q: Does the solution should support centralized Management and is it possible to change as optional? C: Yes, Optional if WAF appliance have self-capable to get software updates directly and self-management capability.</p>
19.	<p><u>Item No. 2 (Package 02) : “2.87 Should have predefined roles/permissions configurations to manage who can see application dashboards and edit and deploy services and policies for application delivery and security.” Page No. 40</u></p> <p>Q: Does it required? C: Yes. Should be in WAF appliance.</p>
20.	<p><u>Item No. 1 (Package 01) : “Is ICTA expecting the support & services from the local bidder or remote support from the principal/ manufactures?” Page No. 34</u></p> <p>Q: Is ICTA expecting the support & services from the local bidder or remote support from the principal/ manufactures?” C: Support and subscription from RedHat principal.</p>
21.	<p><u>Item No. 1 (Package 01) : “If ICTA expecting support from local bidder, can the bidder provide remote support” Page No. 34</u></p> <p>Q: If ICTA expecting support from local bidder, can the bidder provide remote support? C: No. Out of scope.</p>

Please note and comply with the above clarifications and amendments. The addendum to the Bidding document is enclosed in an Annex 1.

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