



No.MITS.2/2017/Pt/38

Dated Shillong the 19th June, 2020

Corrigendum & Addendum
for “Supply and Installation of the IT Equipment and Software at
Meghalaya State Data Center”

Tender No. No.MITS.2/2017/Pt/04 dated Shillong the 3rd June, 2020

Further to the RFP, following amendments and addendum are notified as below. All other requirement, specifications, terms and conditions, etc of the RFP remain unchanged.

CORRIGENDUM:

Blade Enclosure Specification

Sl.	Clause No.	Clause Description	Amended as
1	Blade Enclosure, Page 8	Should have support for full height and half height blades in the same enclosure, occupying a max of 10U rack height and can accommodate up to 16 nos Blade servers.	Should support a minimum of 8 nos of Blade servers occupying a max of 12U rack height
2	Blade Enclosure, Page 8	Same enclosure should support Intel Xeon and EPIC processors based blades	Same enclosure should support Intel Xeon as well as storage based blades servers.
3	Blade Enclosure, Page 8	Should support simultaneous housing of FCoE, Ethernet, FC, SAS and infiniband interconnect fabrics offering Hot Pluggable & Redundancy as a feature	Should support simultaneous housing of FCoE, Ethernet, FC and SAS interconnect fabrics offering Hot Pluggable & Redundancy as a feature
4	Blade Server Interconnect to Fiber Channel SAN, page 8	The enclosure should support Fiber Channel SAN switches with at least 8 Gb auto-negotiating FC uplinks and also at least 8Gb auto-negotiating downlinks to all server bays.	The enclosure should provide Fiber Channel SAN switches with at least 8 Gb auto-negotiating FC uplinks and also at least 8Gb auto-negotiating downlinks to all server bays.

Blade Server Specification

Sl.	Clause No.	Clause Description	Amended as
1	Blade Server, Page 9	Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters, SAS and IB adaptors	Minimum of 2Nos of 3.0 PCIe x16 based mezzanine slots supporting Converged Ethernet, Ethernet, FC adapters and SAS adaptors
2	A. Blade Server Specification (Interconnect), page 9	Minimum of 1 * internal USB 3.0 port and 1* internal SDHC card slot.	Minimum of 1 * internal USB 3.0 port .
3	A. Blade Server Specification Security, page 9	Support for Commercial National Security Algorithms (CNSA) Granular control over remote management interfaces.	Support for Commercial National Security Algorithms (CNSA) Granular control over remote management interfaces or equivalent industry methods.
4	B. Blade Server Specification: Embedded Remote Management and firmware security, page 11	Remote console sharing up to 6 users simultaneously during pre-OS and OS runtime operation, Console replay – Console Replay captures and stores for replay the console video during a server’s last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console.	Remote console sharing up to 2 users simultaneously during pre-OS and OS runtime operation, Console replay – Console Replay captures and stores for replay the console video during a server’s last major fault or boot sequence. Microsoft Terminal Services Integration, 128 bit SSL encryption and Secure Shell Version 2 support. Should provide support for AES and 3DES on browser. Should provide remote firmware update functionality. Should provide support for Java free graphical remote console.
5	Storage Controller, page 9	Server should support Onboard SATA software RAID controller supporting SSD/HDD and at least M.2 drives or 12Gb/s SAS Raid Controller with RAID 0/1/1+0 with 1GB Flash Backed Write Cache	Server should have 12Gb/s SAS Raid Controller with RAID 0/1/1+0 with 1GB Flash Backed Write Cache.
6	Networking features, page 9	Flexibility to choose one of below embedded ports: 1. Dual Port 20GbE Converged Network Adaptor which supports partitioning up to 7* Ethernet and 1* FC/iSCSI HBA ports per 20Gbps port 2. Dual port 10GbE Converged Network Adaptor which supports partitioning up to 3*	One of below embedded ports should be provided: 1. Dual Port 20GbE Converged Network Adaptor which supports partitioning up to 7* Ethernet and 1* FC/iSCSI HBA ports per 20Gbps port 2. Dual port 10GbE Converged Network Adaptor which supports partitioning up to 3*

		Ethernet and 1* FC/iSCSI HBA ports per 10Gbps port	Ethernet and 1* FC/iSCSI HBA ports per 10Gbps port
7	Blade Server Connectivity to SAN, page 9	Should be supporting 1 No 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade.	Should be provided with 1 No 16 Gbps Dual port Fiber Channel HBA internal to the Server Blade.

UTM

Sl.	Clause No.	Clause Description	Amended as
1	Heading : C. Unified Threat Management (UTM), page 12	Unified Threat Management (UTM) (minimum specs)	Unified Threat management (UTM) / Next generation Firewall (NGFW) with UTM capabilities
2	General requirements, Point 2, Page 12	The proposed vendor must have a track record of continuous improvement in threat detection (IPS) and must have successfully completed NSS Labs' NGFW Methodology latest version testing with a minimum exploit blocking rate of 98%	The proposed vendor must have a track record of continuous improvement in threat detection (IPS) and must have successfully completed NSS Labs' NGFW Methodology latest version testing with a minimum exploit blocking rate of 98% or should be available on Gartner report for firewalls.
3	Performance and Availability, Point 8, Page 13	The solution should support minimum 5 virtual firewalls	The solution should support minimum 5 virtual firewalls /virtual route tables
4	AntiVirus & AntiBot, Point 1, Page 15	Firewall should support antimalware capabilities, including antivirus, botnet traffic filter and antispyware	Firewall should support antimalware capabilities, including antivirus and botnet traffic filter.
5	AntiVirus & AntiBot, Point 8, Page 15	The AV should scan files that are passing on CIFS protocol	The AV/ Antimalware should scan files that are passing on CIFS protocol
6	Other support, Point 1, Page 15	Should support features like Web-Filtering, Application-Control & Gateway level DLP from day one	Should support features like Web-Filtering, Application-Control from day one.
7	Other support, Point 7, Page 15	The firewall must be work as an Active-Active redundancy. With 2 hardware UTM box	The firewall must be work as an Active-Active or Active-Standby redundancy . With 2 hardware UTM box

8	Management & Reporting functionality, Point 5, Page 16	Extensive Logging, reporting for all the UTM functionalities offered should be available. A minimum usable storage capability of 8 TB need to be provided with the solution. It should support log analysis from day one.	Extensive Logging, reporting for all the UTM functionalities offered should be available. A minimum usable storage capability of 800 GB need to be provided with the solution. It should support log analysis from day one.
9	UTM SI No :12 Page No : 16	Operating Temperature Range (Degree C) - 0-50	Operating Temperature Range (Degree C) - 0-40
10	UTM: - Hardware & Interface requirements SI no :1 Page No :13	The platform must be supplied with minimum 4x 10GE SFP+/GE SFP, 4 x GE SFP, 8 x GE RJ45 interface Slots	The platform must be supplied with minimum 2x 10GE SFP+/GE SFP , 4x GE SFP, 8 x GE RJ45 interface Slots

OS & CAL

Sl.	Clause No.	Clause Description	Amended as
1	Annexure-II-4 Page no : 7	Windows Server OS Latest Version with CALs - 2 Nos	Windows Server OS Latest Version with CALs - Data Centre Edition - 8 cores.

Desktop Core i7 or equivalent

Sl.	Clause No.	Clause Description	Amended as
1	Desktop Core i7 or equivalent , page 16	<ol style="list-style-type: none"> CPU: Intel Core i7 (9th Generation and above) or equivalent Memory: 8 GB DDR4 RAM with 32 GB Expandability. Hard Disk Drive: 256GB M.2 SATA SSD (Boot) + 1TB SATA Monitor: 21.5" Full HD LED Display, Resolution: 1920 x 1080 Pixel Input Devices: Wireless Mouse and Wireless Keyboard Warranty: Comprehensive 3 Years Warranty Motherboard OEM Motherboard with logo embossed (no sticker) Industry Standard & Certification: FCC Compliance, EPEAT Certification or equivalent Minimum 4 USB Ports (at least 1 USB 3.1) out of which 2 USB ports should be in front for easy access, 	<ol style="list-style-type: none"> CPU: Intel Core i7 (9th Generation and above) or equivalent Memory: 8 GB DDR4 RAM with 32 GB Expandability. Hard Disk Drive: 256GB M.2 SATA SSD (Boot) + 1TB SATA Monitor: 21.5" Full HD LED Display, Resolution: 1920 x 1080 Pixel Input Devices: Wireless Mouse and Wireless Keyboard Warranty: Comprehensive 3 Years Warranty Motherboard OEM Motherboard with logo embossed (no sticker) Industry Standard & Certification: FCC Compliance, EPEAT Certification or equivalent Minimum 4 USB Ports (at least 1 USB 3.1) out of which 2 USB ports should be in front for easy access,

	(1) VGA video port ; (1) HDMI Port, (1) RJ-45 network connector, (1) RS-232 serial port , 1 universal audio jack for headphone& MIC, 1 audio line in, 1 audio line out	(1) HDMI Port, (1) RJ-45 network connector, 1 universal audio jack for headphone& MIC, 1 audio line in, 1 audio line out
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General Terms

Sl.	Clause No.	Clause Description	Amended as
1	EMD : point B.iii Page no : 3	In the case of Bidders whose tender bids are accepted for supply, EMD will be refunded on receipt of Performance Security Deposit as per award of contract clause.	In the case of Bidders whose tender bids are accepted for supply, EMD will be refunded on receipt of Performance Bank Guarantee (PBG) which is 10% of the Contract Value for hardware items only in the form of Bank Guarantee in favour of Member Secretary, Meghalaya Information Technology Society (MITS), Shillong is to be submitted to MITS as per award of contract clause. The validity of the PBG shall be for a period of 3 years 6 months for Computer Desktops and 5 years 6 months for other equipment.
2	OTHER TERMS AND CONDITIONS: Point - 6 xiii. Page no : 4	The Bidder's Account should not have been declared as a Non- Performing Asset (NPA) in the Books of any bank or financial institution, a certificate to this effect should be obtained from the Auditor who has signed the Balance Sheet of the Bidder as on 31-03-2020 and submitted along with the Bid.	The Bidder's Account should not have been declared as a Non- Performing Asset (NPA) in the Books of any bank or financial institution, a certificate to this effect should be obtained from the Auditor who has signed the Balance Sheet of the Bidder as on 31-03-2019 and submitted along with the Bid.
3	Brief details of Tender:, page 2	Bid submission last date 25 th June, 2020 @ 5 :00 PM	Bid submission last date 29 th June, 2020 @ 5 :00 PM
4	Brief details of Tender:, page 2	Date and time of Opening of Technical Bid through Video Conferencing 26 th June, 2020 @ 3 :00 PM	Date and time of Opening of Technical Bid through Video Conferencing 30 th June, 2020 @ 3 :00 PM

ADDENDUM:

1. Payment Terms:

S. No	Payment Schedule For Hardware	Fee Payable
1.	After delivery, installation/training, commissioning and integration/testing of equipment at the SDC	80%
2.	On completion of 6 months on successful completion of commissioning and integration/testing of equipment at the SDC	20%

S. No	Payment Schedule For Windows License	Fee Payable
1	After delivery, successful installation/training	100%

2. The Existing MSDC server rack (36U) measurements:

Outer width = 23.50 inches
Outer depth = 39.25 inches

Inner width = 20 inches
Inner depth = 28.50 inches

Sd/-
(M. R. Synrem)
Commissioner & Secretary to the Govt. of Meghalaya
Information Technology & Communications Department
&
Vice Chairman
Meghalaya IT Society