



तेजपुर विश्वविद्यालय / TEZPUR UNIVERSITY
(संसद के अधिनियम द्वारा स्थापित केंद्रीय विश्वविद्यालय)
(A Central University established by an Act of Parliament)
कुल सचिव का कार्यालय/ OFFICE OF THE REGISTRAR
नपाम :: तेजपुर - 784028 :: असम
NAPAAM :: TEZPUR - 784028 :: ASSAM

CORRIGENDUM NOTICE

(ET-NIQ-.....4099..... DT-21-01-2019)

The technical specification of the items mentioned in the NIQ No. ET-NIQ-3868-DT-01-01-2019 (**Tender ID: 2019_TEZU_425638_1**) has been revised and a revised TechSheet is uploaded accordingly. Further, the critical dates mentioned are also revised as under-

General Information about the NIQ

Last date and time for submission of Bids: 28.01.2019 (2.00 PM)

Date and Time of opening of Bids: 29.01.2019 (4.00 PM)

The other contents of the NIQ remain the same.

Upant hant
21/01/19

Assistant Registrar (GA)
Tezpur University

Memo No: TU/11-24/Pur/Qtn(ET)/2018-19/ 4099

dated:- 21/1/19

Copy for information to:

1. Webmaster, Tezpur University for uploading the notice in the website.
2. Dr. Pankaj Barah, Department of Molecular Biology & Biotechnology, Tezpur University.
3. File

Upant hant
21/01/19

Assistant Registrar (GA)

Revised Technical Specifications cum Compliance Report
(To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Item	Earlier specification	Revised Specs	Complied (Yes/No)	Remarks, if any;
A) Chassis mount 48 TB NAS with space for servers accompanied by cooling system, Rack and UPS				
Chassis	Vendor should offer a Server chassis / enclosure-based solution which can hold dense servers (Pure CPU based compute nodes) on an average of 0.5U per Server, capable of getting mounted in a standard 19" 42U Rack (max depth of 1000mm). Each of the Server nodes should be individually serviceable, without shutting down the other Server nodes.	No Change, Same as earlier		
Redundant Power Supplies	The entire solution should be offered with redundant power supplies at enclosure level.	No Change, Same as earlier		
Redundant Fans	The chassis / enclosure should be configured with redundant fans	No Change, Same as earlier		
GPU/Accelerators	The chassis should be able to support compute nodes with GPUs. GPU Support is required for future requirement for GPU servers to be added	No Change, Same as earlier		
Zoning disks	The chassis should have capability to assign disks flexibly against each node using zoning capabilities. For instance, if the chassis can support say 12 LFF disks and 4 compute nodes, then the chassis should have capability to distribute more than 3 disks in some of the nodes, subject to a total of 12 disks across 4 nodes.	Changed to: The chassis should have capability to support minimum 12 LFF Hot Plug SAS/SATA/ SSD hard disk. Equal allocation of Hard Disk should be available for all the four nodes.		
Storage	The vendor should provide 48TB Raw capacity (6 x 8TB 7.2KRPM HDD configured in raid 5 from day 1) in the chassis or using a Network attached storage	Changed to: The vendor should provide 48TB Raw capacity Storage. Necessary switch if required for connectivity (1 G) should be		

		added in the solution		
Cooling system	2 Ton AC 5 Star or equivalent as per present norms of Govt. of India along with Stabilizers and other accessories.	No Change, Same as earlier		
Rack	42 U Rack to house the Servers, NAS etc. with all mounting accessories, FAN etc.	No Change, Same as earlier		
UPS 10 KVA specifications (As mentioned below)				
Capacity	10 KVA/9 KW @ 0.9 p.f. On-Line UPS with Inbuilt Isolation Transformer.	No Change, Same as earlier		
AC Input Voltage Range	300-470 V AC, 3 Phase @100%load	No Change, Same as earlier		
Surge Protection Device	UPS should have inbuilt 1 Phase, Type 2 surge arrester (40kA) according to EN 61643-11. It should provide Lightning Protection (according to IEC 1312-1 and EN 62305) through equi-potential bonding and eliminate transient overvoltage, originating during atmospheric discharges or switching processes. (Datasheet of SPD should be provided else bid may be rejected)	No Change, Same as earlier		
Input Frequency	50Hz ± 10% (Suitable for Generators)	No Change, Same as earlier		
AC Output Voltage	230 V AC, 1-phase ± 1% (Sine Wave Output)	No Change, Same as earlier		
Output Frequency	50 Hz ± 0.05 Hz	No Change, Same as earlier		
Overload Capacity	125% for 10 minutes, 150% for 60 seconds	No Change, Same as earlier		
Harmonic Distortion	<2% for Linear Loads and <5% for non linear loads	No Change, Same as earlier		
Crest Factor	Better than or equal to 4:1	No Change, Same as earlier		
Isolation Transformer	UPS output should be fully isolated by double conversion and inbuilt isolation transformer within the UPS cabinet itself. External transformer shall not be considered	No Change, Same as earlier		

Indications & Audible Alarms	Mains On, Inverter On, Overload, Load On Mains, Load On Battery, Battery Low	No Change, Same as earlier		
Digital Metering	LCD display for measurement of AC Voltage, Battery voltage, Battery Current, Load Current, Output frequency.	No Change, Same as earlier		
Battery Back-up & Other Details	The system must be capable of providing requisite battery back-up time of 30 minutes on each UPS, using 12V, VRLA Sealed Maintenance Free Batteries. Required VAH: 8,700 VAH for 30 minutes for each UPS Battery make: EXIDE/QUANTA/ROCKET	No Change, Same as earlier		
Certification	<ul style="list-style-type: none"> • BIS Certificate for Quoted Model • CE Certification (confirming to IEC 62040-1 & IEC 62040-2 Standards) • ISO 9001, ISO 14001, OHSAS 18001, ISO 27001 certified. • RoHS Compliance Copies of the above certifications should be submitted with the technical Bid (compulsory).	No Change, Same as earlier		
After Sales Support & Manufacturer's Credibility	<ul style="list-style-type: none"> •UPS OEM Should have their own service Centres in Tezpur, Assam • UPS OEM should have a dedicated Toll-Free No. for service call logging & resolution (no. to be provided) UPS OEM should not have been blacklisted or debarred from business from any government organization in last 10 years 	No Change, Same as earlier		

Revised Technical Specifications cum Compliance Report
(To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Item	Description	Revised Specs	Complied (Yes/No)	Remarks (if any)
B) Master Node Specifications (Qty:- 1 Numbers of 2 Socket Server) (Total Cores: 28 Cores and above)				
CPU	2 x Intel Xeon-Gold 5120 (2.2GHz/14-core/19.25 MB Cache/105W)	No Change, same as earlier		
Chipset	Intel C622 Series Chipset	Changed to Intel C600 Series Chipset		
Memory Requirement	128 GB to be configured using 2666 MHz RDIMMs. Adequate DIMMs to be configured to populate all memory channels in a balanced manner. Compute node should be scalable to 16 DIMMs.	No Change, same as earlier		
Memory Scalability	Should be capable of scaling up to 512 GB Memory.	No Change, same as earlier		
Memory protection	Advanced ECC	No Change, same as earlier		
Networking	2 x 1Gbps ports with PXE boot capability	No Change, same as earlier		
Management Port	1Gbps Remote Management Port	No Change, same as earlier		
PCI-Express 3.0 slots	The compute node should have capability to be configured with at least 2 no's of PCIe -Gen3 (x8/16) low profile IO slots	Changed to PCI-Express 3.0 slots: The compute node should have capability to be configured with at least 2 no's of PCIe - Gen3 (x8/16) slots		
OS Support	Should support RHEL6.x / SLES 11 or higher	No Change, same as earlier		
Warranty	3 Years Warranty on chassis & Servers	No Change, same as earlier		

Revised Technical Specifications cum Compliance Report
(To be submitted on Company's/Firm's Letterhead Signed and Sealed)

Item	Description	Revised Specs	Complied (Yes/No)	Remarks (if any)
C) Compute Node Specifications (Qty: - 2 Numbers of 2 Socket Servers i.e. total 4 Sockets with minimum 56 Cores & 512GB RAM and above)				
Each of the compute nodes in the chassis/enclosure should be configured with the following:				
CPU	2 x Intel Xeon-Gold 5120 (2.2GHz/14-core/19.25 MB Cache/105W)	No Change, Same as earlier		
Chipset	Intel C622 Series Chipset	Changed to Intel C600 Series Chipset		
Memory Requirement	256 GB to be configured using 2666 MHz RDIMMs. Adequate DIMMs to be configured to populate all memory channels in a balanced manner. Compute node should be scalable to 16 DIMMs.	No Change, Same as earlier		
Memory Scalability	Should be capable of scaling up to 512 GB Memory.	No Change, Same as earlier		
Memory protection	Advanced ECC	No Change, Same as earlier		
Networking	2 x 1Gbps ports with PXE boot capability	No Change, Same as earlier		
Management Port	1Gbps Remote Management Port	No Change, Same as earlier		
PCI-Express 3.0 slots	The compute node should have capability to be configured with at least 2 no's of PCIe -Gen3 (x8/16) low profile IO slots	changed to PCI-Express 3.0 slots: The compute node should have capability to be configured with at least 2 no's of PCIe - Gen3 (x8/16) slots		
OS Support	Should support RHEL6.x / SLES 11 or higher	No Change, Same as earlier		
Warranty	3 Years Warranty on chassis & Servers	No Change, Same as earlier		