(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)

National Institute of Animal Biotechnology

Corrigendum -- Change of Opening Date & Specifications

Please refer NIAB Tender Details as follows.

Tender ID : 2020_DBTEC_560838_1

Tender Reference Number : NIAB/SP/2020-21/07

Tender Title : Dual Socket Server with Monitor , Keyboard and Mouse

The following changes may please be noted before submission of bids with respect to the tender details mentioned bove.

In place of old dates mentioned in Tender , please consider following dates.

Document Download End Date :- in place of Existing old date --- Read As :- 18/07/2020

Bid Submission End date : in place of Existing old date --- Read As :- 18/07/2020

Bid Opening Date in place of Existing old date --- Read As :- 20/07/2020

Revised /New changes in specifications

Specificaton in place of Existing old specifications --- Read As : - Annexure -1 (as attached below) The specification mentioned below should be treated as revised specification with and bid must be submitted accordingly with reviesed quantity

Rest of the tender conditions remains same.

Manager (S&P)
NIAB-Hyderabad
Date:- 27/06/2020

		Technical specifications	**Annexure -1**

S.No	Items/parts	Old Specification	Revised specification
1	Processor	2x Intel Xeon Platinum 8268 2.9G, 24C/48T, 10.4GT/s, 35.75M Cache, Turbo, HT (205W) DDR4-2933	Same as original
2	Chipset	Intel C621	Same as original
3	Memory	768 GB DDR4 RDIMM RAM Memory, scalable upto 2TB with higher size DIMMs	Same as original
4	DIMM Slots	24 DDR4 DIMM slots RDIMMS& LR DIMMS supporting speeds up to 2666MT/s. Optionally support up to 12 DIMM & 12 NVDIMM	Same as original
5	Memory Property	ECC memory, Spare Rank, Memory Mirroring, Single Device Data Correction (SDDC), Memory Demand, Memory Thermal Throttling, Failed DIMM Isolation etc	ECC memory, Spare Rank, Memory Mirroring
6	Hard Disk	2 x 900 GB 15K SAS Enterprise hard disks configured with RAID 1 with hot spare for operating system. 20 TB usable space using minimum 2 TB or higher NL-SAS 7.2K RPM 2.5/3.5" Hard drives configured in RAID 5.	Same as original
7	Hard Disk bays	Server should be provided with min 12 Hot-plug disk drives bays	Same as original
8	RAID Controller and Features	Hardware 12Gbps SAS RAID controller. Should support Raid 0,1 ,5, 6 and have atleast 8GB of NV Cache or Battery backed cache,	Hardware 12Gbps SAS RAID controller. Should support Raid 0,1 ,5, 6 and have atleast 4GB of NV Cache or Battery backed cache,
9	I/O Ports	Minimum 2 x 1 Gbps Ethernet ports and 2 x 10 Gbps Copper to connect to Customer LAN. Required accessories also to be quoted for connecting to the	Minimum 2 x 1 Gbps Ethernet ports, 2 x 10 Gbps Copper and 2 * 10G Fiber to connect to Customer LAN. Required accessories also to be quoted for

		LAN. 5 xUSB Ports (2 Front, 2 Rear and 1 Internal), 2 xVideo Ports, 1 x Serial Port,	connecting to the LAN. 5 xUSB Ports, 2xVideo Ports(HDMI/VGA/Display port), 1 x Serial Port,
10	SD Cards	Server should support Internal Dual 32GB SD Cards for hypervisor boot and failsafe	Server should support Internal Dual 32GB SD Cards or 32GB microSD RAID 1 USB Boot Drive for hypervisor boot and failsafe
11	Expansion Slots	Server should support upto 7 xPCIe Gen3 slots	Same as original
12	Remote Management	• Vendor should provide embedded features that helps to manage Servers in physical, local and remote environments, operating in-band or out-of-band, with or without a systems management software agent. • Real-time out-of-band hardware performance monitoring & alerting • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management • Out-of-band hardware & firmware inventory • Zero-touch auto configuration to auto deploy a baseline server configuration profile • Power Management should give historical data for atleast 72 hours. • Dedicated remote management port and should support IPv6. • Should support remote scripted reconfiguration tools. • Should be able to monitor all system health and systems components (CPU, RAM, HD, FANS, Power Supplies, BIOS, HBA's, NICs, CNA's).	• Vendor should provide embedded features that helps to manage Servers in physical, local and remote environments, operating in-band or out-of-band, with or without a systems management software agent. • Agent-free monitoring, driver updates & configuration, power monitoring. • Out-of-band hardware & firmware inventory • Power Management should give historical data for atleast 24 hours. • Dedicated remote management port and should support IPv6. • Should be able to monitor all system health and systems components (CPU, RAM, HD, FANS, Power Supplies, BIOS, HBA's, NICs, CNA's). • Should Support upto 4GB vFlash memory for keeping system logs Or downloading firmware from OEM website or internal repository.

		• Should Support upto 16GB vFlash memory for keeping system logs and downloading firmware from OEM website or internal repository • Automatically restore hardware configuration and license information during system board replacement and return system to production in minutes using the in-chassis backup with configuration. • Automated hardware configuration and Operating System deployment to multiple servers • Zero-touch repository manager and self-updating firmware system • Virtual IO management / stateless computing	
13	Boot storage	Server should support Boot optimized storage cards for Operating system boot	**Removed/deleted**
14	Security Features	• Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks • Server should detect an invalid, untrusted BIOS image when a boot is attempted and recover to an authenticated, trusted BIOS image through BIOS recovery. • Server should have the capability to prevent any configuration or firmware drift/changes by an unauthorized person through System Lockdown. • Should provide effective protection, reliable detection & rapid recovery using: - Silicon-based Hardware Root of Trust - Signed firmware updates - Secure default passwords - Configuration and firmware drift detection	• Server should detect an invalid, untrusted BIOS image when a boot is attempted and recover to an authenticated, trusted BIOS image through BIOS recovery. • Server should have the capability to prevent any configuration or firmware drift/changes by an unauthorized person through System Lockdown. • Should provide effective protection, reliable detection & rapid recovery using: - Silicon-based Hardware Root of Trust - Signed firmware updates - Configuration and firmware drift detection / Equivalent - Automatic BIOS recovery - Rapid OS recovery - System erase / Equivalent feature

		- Persistent event logging including user activity - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System erase	
15	Redundant Power Supply and fans	Platinum 750W Redundant hot-plug Power Supply and redundant hot-plug fans	80 Plus platinum or better redundant hot-plug power supply with IEC C13 to IEC C14 cable and redundant hot-plug fans
16	Operating System support	Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi Canonical Ubuntu LTS Citrix XenServer	Same as original
17	Power & temperature	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters. Temperature monitoring & graphing	**Removed/deleted**
18	Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processors, memory, PCIe slots, VRMs, power supplies, fans, hard disk drives	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processors, memory, power supplies(SMPS), fans, hard disk drives
19	Form Factor	Max. 2U rack mounted with sliding rails	Same as original

20	Server Management	• Smart Embedded Systems Management should be able to automate task like discovery, deploy, monitor and update. • Should not be dependent on agents to for life cycle management. • Should be OS Agnostic. • Should Support Profile based Configuration • Should be able to provide Single console to manage Servers. • Should seamlessly integrate with 3rd party management consoles such as vCentre, System Center, CA etc • Support for Redfish API for simple and secure management of scalable platform hardware • HTML5 support for virtual console & virtual media without using Java or ActiveX plugins	**Removed/deleted**
21	Warranty	3 years 24 x 7 x NBD Comprehensive onsite OEM warranty. Post installation, 3-year product warranty should reflect in the support web site of the OEM.	Same as original
22	Rails	Must be supplied with sliding rack rails	Same as original
23	Monitor	19.5" LED monitor	19.5" LED monitor, with sutable min 3 mtr connecting Video cable(HDMI/Display Port)
24	Keyboard	USB Keyboard	Same as original
25	Mouse	Optical Mouse	Same as original
26	SFP+ module	Dual Port 10GbE SFP+ with necessary cable	Dual Port MM 10GbE SFP+ with necessary **5 mtr SR OFC** cable

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