

(राष्ट्रीय पशु जैव प्रोद्योगिकी संस्थान)  
National Institute of Animal Biotechnology

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**Corrigendum -- Change of Specifications**

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*P*Please refer NIAB Tender Details as follows.

Tender ID : 2018\_DBTEC\_388238\_1

Tender Reference Number : NIAB/SP/2018-19/11

Tender Title : Unified Storage System (SAN PLUS NAS))

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

**changes in specifications**

Please find below changes in specification and bid must be submitted accordingly.

Rest of the tender conditions remains same.

Manager (S&P)  
NIAB-Hyderabad  
Date:- 18/10/2018

# Changes in Specifications

Reference	Existing Specification in Tender	Modified Specification
<p>Page No- 26, <b>Technical pre-qualification criteria</b></p> <p>S. No-1</p>	<p>The bidding OEM/Bidder should have executed at least three projects in Indian institutions using the architecture and technologies similar to those being proposed in their quotation against this tender. In addition, the following condition should also be satisfied. A. At least one order of 80% of tender value or B. At least two order of 60% of tender value or C. At least three order of 40% of tender value Purchase order copies of the same must be submitted with the technical bid. The OEM or partner should have successfully executed projects at premier Indian Defense organizations or premier Indian Academic and Research institutions like IISc, TIFR, CDFD, IISER, NIT, IIT or institutions of equivalent stature.</p>	<p>The bidding OEM/Bidder should have executed at least three projects in Indian institutions using the architecture and technologies similar to those being proposed in their quotation against this tender. In addition, the following condition should also be satisfied. A. At least one order of 80% of tender value or B. At least two order of 60% of tender value or C. At least three order of 40% of tender value Purchase order copies of the same must be submitted with the technical bid. The OEM or partner should have successfully executed projects at premier Indian educational institutes/PSUs/Central government/State government/Defense organizations or premier Indian Academic and Research institutions like IISc, TIFR, CDFD, IISER, NIT, IIT or institutions of equivalent stature.</p>
<p>Page No- 26, <b>Technical pre-qualification criteria</b></p> <p>S. No-9</p>	<p>The complete proposed solution must have all encompassing comprehensive onsite advance replacement warranty of 5 years duration which includes hardware, software, firmware, software updates, etc., If the hardware replacement process takes more than two days, the bidder/OEM should provide a standby hardware till the replacement is made.</p>	<p>The complete proposed solution must have all encompassing comprehensive onsite advance replacement warranty of 5 years (Next Business Day Warranty) duration which includes hardware, software, firmware, software updates, etc., If the hardware replacement process takes more than two days, the bidder/OEM should provide a standby hardware till the replacement is made.</p>
<p>Page No- 28, <b>Unified Storage (SAN + NAS),</b> specification point No- 2</p>	<p>2 x Intel® Xeon® Octa-core processor (8C/2.1G/20M)</p>	<p>Minimum 2 x Intel® Xeon® Octa-core processor (8C/2.1G/20M) or higher</p>
<p>Page No- 28 <b>Unified Storage (SAN + NAS)</b>specification point No- 3</p>	<p><b>Storage Architecture:</b> SAN Storage System with no single point of failure architecture. Storage subsystem should also be able to support Unified (SAN &amp;NAS) as an integrated offering.</p>	<p><b>Storage Architecture:</b> Storage subsystem should also be able to support Unified (SAN &amp;NAS) as an integrated offering. Management of storage system should be through single management</p>

	Management of storage system should be through single management tool. NAS headers must be non-windows (Unix/Linux based). The architecture should allow modular upgrades of hardware and software for investment protection.	tool. NAS OS must be non-windows (Unix/Linux based). The architecture should allow modular upgrades of hardware and software for investment protection.
Page No- 28, <b>Unified Storage (SAN + NAS)</b> specification point No- 4	<b>Storage Controller:</b> System to have minimum single controllers, each controller to have 64 bit minimum 2 No of 8 -cores or higher CPU with 32 GB RAM	<b>Storage Controller:</b> System to have minimum single controllers, each controller to have 64 bit minimum 2 No of 8 -cores or higher CPU with 32 GB RAM or higher
Page No- 28, <b>Unified Storage (SAN + NAS),</b> specification point No- 5	<b>Storage Cache / System Memory:</b> The system should have a minimum of 32 GB of system memory and should be scalable to a minimum of 1 TB using LR DIMMS without controller upgrade. The storage system must keep write cache persistent during fault conditions. Array should support cache de -stage to disk or battery backed cache in order to avoid any data loss due to abrupt power outage.	<b>Storage Cache / System Memory:</b> The system should have a minimum of 32 GB of system memory. The storage system must keep write cache persistent during fault conditions. Array should support cache de -stage to disk or battery backed cache in order to avoid any data loss due to abrupt power outage.
Page No- 29, <b>Unified Storage (SAN + NAS),</b> specification point No- 9	<b>RAID Support :</b> Should support RAID 0, 1, 10, 5, 6	<b>RAID Support :</b> Should support RAID 0, 1, 10, 5, 6 or equivalent RAID Z ZFS levels
Page No- 29, <b>Unified Storage (SAN + NAS),</b> specification point No- 8	Minimum 2 x 10 Gbps Ethernet copper ports with support for link aggregation. Required accessories also to be quoted for connecting to the switch.(3m Cable) All the licenses should be Provided.	Minimum 4 x 10 Gbps Ethernet copper ports (10M/100M/1G/10G) with support for link aggregation. Required accessories also to be quoted for connecting to the switch. (4 Nos of 10 G copper 3m Cable) All the licenses should be Provided.
Page No- 30, <b>Unified Storage (SAN + NAS),</b> specification point No- 14	Minimum 2 x 1 Gbps Ethernet ports with support for link aggregation. Required accessories also to be quoted for connecting to the switch.	
Page No- 30, <b>Unified Storage (SAN + NAS),</b> specification point No- 15	Minimum 2 x 10 Gbps Ethernet ports with support for link aggregation.	

All other points remains un changed.