



Minutes of the Meeting of Pre-bid Conference

Package Code: TEQIP-III/2020/mnni/16
For : Procurement of High Performance Computing Equipment in the Institute
Date & Time : 05.03.2020 at 14:30 Hrs.
Venue: Room No. 203 Conference Hall (Purchase Office) MNNIT Allahabad

The Pre-bid Conference for the above NCB was held on 05.03.2020 at 14:30 Hrs. in Room No. 203 Conference Hall (Purchase Office) MNNIT Allahabad.

Among those in attendance included:

1. Prof. A. K. Singh, Head, CSED & Indenter
2. Prof. D. K. Yadav, CSED
3. Dr. Mayank Pandey, CSED
4. Prof. Vinay Kumar Srivastava - Coordinator TEQIP-III
5. Dr. Shwetank Parihar - Nodal Officer, Finance-TEQIP-III
6. Mr. Mohd Danish Ansari - Nodal Officer, Procurement-TEQIP-III

Representatives of prospective Bidders:

Sl.	Name of Firm	Represented by
1.	M/s Micropoint Computers Private Limited.	Ashok Kumar, 7666940757 Mail: umesh@mpcl.in
2.	M/s Netweb Technologies India Pvt. Ltd. B-1/A-25, 2nd Floor, Mathura Road Mohan Co-Operative Industrial Estate, New Delhi-110044	Mr. Abhay Kumar, 9953177321 abhay.kumar@netwebindia.com

- (i) The Committee extended a warm welcome to the representatives present in the meeting.
- (ii) Works and contents of the NCB document were briefed to both the prospective bidders and various associated important provisions of the tender document were also explained.
- (iii) Queries raised by the representative were resolved in the meeting.
- (iv) It was resolved that no query from any prospective bidder shall be entertained dated: 06.03.2020.
- (v) The persons representing the above firms were requested to furnish queries, (if any), in writing latest by 06.03.2020 so that the replies to the same can be provided by the Institute. Reply to the queries raised by the firm is given in **Table-A**.

TABLE-A						
Sl	Firm	NCB Reference(s) (Section, Page)	Parameters	Entry in NCB Document	Point of Clarification Required / Query	Resolution
1.	M/s Paramatrix Info Solution Pvt. Ltd. Chandigarh. [Query received through email dated: 05.03.2020]	Page no.44/65 – Under Section VI: Technical specification. 3. GPU nodes: b. GPU: 2 x Nvidia Tesla V100 with 32GB supporting upgrade upto 3 GPUs	GPU Nodes	2 x Nvidia Tesla V100 with 32GB supporting upgrade upto 3 GPUs	Remove the ask or scalability of GPU on GPU server upto 3. We do not see any application that gains on performance front on multi GPU environment.	As per NCB.

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2.	M/s Netweb Technologies (I) Pvt. Ltd. [Query received through email dated: 05.03.2020]	Page no.14/65 – under 18. Qualification/Eligibility Criteria: Point. 18.2 -	Qualification/Eligibility Criteria	Server OEM must be listed in Top500.org list, with at least two installations in each list published since last two years	<p>Please find that prescribing the aforesaid criterion will constitute non-observance of the Order issued by the PMO-D.O. 330/31/C/64/ 2015-ES-I dated 03.01.2019 which expressly restricts procuring entities to incorporate mandatory certification by foreign bodies thereby excluding local manufacturers. (Copy of the said DO is enclosed as an attachment to this Letter)</p> <p>The Hon'ble Karnataka High Court has also, in the Writ Petition No.45648/2013 filed in relation to a tender floated by CSIR Bangalore, expressly dissented and stayed incorporation of the requirement of "Listing in Top500 Supercomputer List", finding it to be a restrictive eligibility criterion. Therefore, in absence of concurrence from the Hon'ble HC we believe the same should be eliminated</p> <p>In addition to aforesaid, please find that the Supercomputer holding 500th position (last entry) in the List is of approximately 2278TF, however, the requirement of the of the tender under consideration is around Less than 100TF. Therefore, we believe that the desired parameter for determining the credibility of the bidder needs to be reviewed and be in consonance of the requirement</p> <p>Further, Top500 Supercomputers listing is a privately controlled list based on voluntary submissions and hence carries no authenticity at all. There are a number of Supercomputers which inspite of being amongst top 500 supercomputers of the world, are not listed in it. The List suffers with numerous errors and has not been recognized by any Indian National Authority as such. Thus, in absence of any recognition we believe the said should not be included the eligibility requirements. We request MNNIT-Allahabad Officials to remove this restrictive Criteria from Tender</p>	Accepted as below: Server OEM must be listed in top 500.org lists during last two years in at least 3 lists out of total four bi-yearly lists.
		Page no.14/65 – under 18. Qualification/Eligibility Criteria: Point. 18.6 -	Qualification/Eligibility Criteria	The OEM and bidder should be a registered company in India under the companies act 1956/ registered firm and should have been in operation in India for	Since the Tender Criteria mentioned at Pg 14 Pt. 18.7 allows Services and Support from either Bidder or OEM, hence OEM Company Registration in India should not be made mandatory qualification requirement	Accepted as below: OEM or bidder should be a registered company in India under the

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				a period of at least 5 years as on date of Tender. The OEM and bidder should have registered office in India. A copy of certificate of incorporation/ registration should be enclosed.	There are certain OEM's who are providing Installation Services and Technical Support thru there Authorized Support partners in India. Hence we request you to please allow Bidder's with proven credentials also to do Installation and After Sales Services We request MNNIT-Allahabad Officials to change clause to "The OEM or bidder should be a registered company in India under the companies act 1956/ registered firm and should have been in operation in India for a period of at least 5 years as on date of Tender. The OEM or bidder should have registered office in India. A copy of certificate of incorporation/ registration should be enclosed	companies act 1956/ registered firm and should have been in operation in India for a period of at least 5 years as on date of Tender. The OEM or bidder should have registered office in India. A copy of certificate of incorporation/ registration should be enclosed.
		Page no.12/65 – under 15. Bid Security	Bid Security	Bid Security	Please consider EMD Exemption will be given to NSIC or MSME Registered Firms as per Government Rules	Exemption to NSIC or MSME registered firms as per GFR 2017.
3.	M/s Lenovo Global Technology (I) Pvt Ltd [Query received through email dated: 05.03.2020]	Page no.44/65 – Under Section VI: Technical specification. 3. GPU nodes: b. GPU: 2 x Nvidia Tesla V100 with 32GB supporting upgrade upto 3 GPUs	GPU Node	2 x Nvidia Tesla V100 with 32GB supporting upgrade upto 3 GPUs	Lenovo would like to request MNIT to drop the ask or scalability of GPU on GPU server upto 3. We do not see any application that gains on performance front on multi GPU environment.	As per NCB.
4.	M/s Locuz Enterprise Solution Ltd. [Query received through email dated: 04.03.2020]	Page no.12/65 Para 15	Bid Security	Bid Security Amount (Rs. 8,37,620/=)	We are a MSME/NSIC registered company for specified item. You are requested to let us know if we can avail Bid Security exemption against these certificates.	Exemption to NSIC or MSME registered firms as per GFR 2017.
		Page no.62/65 Annexure XV	Annexure XV	Proforma for Equipment and Quality control employed by the manufacturer	We understand this Annexure is required to be submitted after award of contract. Please confirm if this is to be submitted along with technical bid.	Along with the Bid Submission
		Page no.44/65 1. Master Nodes	Process or	2 x Intel Xeon Scalable processors (Formerly codenamed Cascade lake) with x86_64 architecture, each having 20 cores or higher, running @ 2.1GHz	We request that the supporting memory be capable of running at a min of 2933 Mhz, as cascadelake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted

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			or higher. Must be capable of supporting memory running at 2666 MHz . Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)		
		Memory	192GB DDR4-2666 with ECC or higher in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)	We request that this clause be changed to "192GB DDR4-2933 " with ECC or higher in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)	Accepted
Page no.44/65 2. Compute Nodes	Process or		2 x Intel Xeon Scalable processors (Formerly codenamed Cascade lake) with x86_64 architecture, each having 20-cores or higher running @ 2.1GHz or higher. Must be capable of supporting memory running at 2666 MHz . Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)	We request that the supporting memory be capable of running at a min of 2933 Mhz , as cascade lake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted
		Memory	16 nodes with 192GB DDR4-2666 with ECC or higher, in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)	We request that this clause be changed to "16 nodes with 192GB DDR4-2933 with ECC or higher, in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)"	Accepted
Page no.44/65 3. GPU Nodes	Process or		2 x Intel Xeon Scalable processors (Formerly codenamed Cascadelake) with x86_64 architecture,	We request that the supporting memory be capable of running at a min of 2933 Mhz , as cascadelake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted

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			each having 20-cores or higher running @ 2.1GHz or higher. Must be capable of supporting memory running at 2666 MHz. Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)		
		Memory	192 GB DDR4-2666 with ECC or higher, in balanced configuration populating all memory channels	We request that this clause be changed to " 192 GB DDR4-2933 with ECC or higher, in balanced configuration populating all memory channels"	Accepted
Page no.45/65 4. PFS Storage System-160TB (with 2 I/O nodes)	Parallel File System	a. Lustre based Parallel file system with 160TB usable space and with a performance of 3GB/s or higher (with linear upgrade in performance with future expansion).	We request you to include BeeGFS alongside Lustre PFS.	Accepted as below: Lustre PFS / BeeGFS with 160 TB usable space and with a performance of 3GB/s or higher (with linear upgrade in performance with future expansion).	
Page no.45/65 A. I/O Nodes	Memory	192GB DDR4 - 2666 with ECC or higher in balanced configuration populating all memory channels	We request this clause to be changed to " 192GB DDR4 - 2933 with ECC or higher in balanced configuration populating all memory channels"	Accepted	
	Form Factor	Rack-mountable with rail-kit. 1U or lower	We request you to relax this clause to "Rack-mountable with rail-kit. 2U or lower"	Accepted	
Page no.14/65 18. Qualification/Eligibility Criteria	18.1 Qualification/Eligibility Criteria	Server OEM must have installed at least 3 HPC Clusters of the same size in terms of no. of nodes, or more, with minimum performance of 25TF or higher, with Infiniband/OPA Fabric in India, of which at least 2 installations shall be at Govt. Education & Research Organisations, during last 5 years. Documentary	We request you to change this clause to: Server OEM must have installed at least 3 HPC Clusters of the same size in terms of no. of nodes, or more, with minimum performance of 25TF or higher, with Infiniband/OPA Fabric in India, of which at least 2 installations shall be at Govt. Education & Research Organisations, during last 5 years. Documentary evidence to be provided with installation reports.	As per NCB	

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Audmit
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Santosh
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SB Divakar
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Konand P
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				evidence to be provided with installation reports.		
5.	M/s Micropoint Computers Pvt. Ltd. 17/18 Navketan Estate Mumbai 400 093 [Query received through email dated: 04.03.2020]	Page no.44/65 1. Master Nodes	Process or	2 x Intel Xeon Scalable processors (Formerly codenamed Cascade lake) with x86_64 architecture, each having 20 cores or higher, running @ 2.1GHz or higher. Must be capable of supporting memory running at 2666 MHz. Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)	We request that the supporting memory be capable of running at a min of 2933 Mhz, as cascadelake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted
			Memory	192GB DDR4-2666 with ECC or higher in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)	We request that this clause be changed to "192GB DDR4-2933 with ECC or higher in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)	Accepted
		Page no.44/65 2. Compute Nodes	Process or	2 x Intel Xeon Scalable processors (Formerly codenamed Cascade lake) with x86_64 architecture, each having 20-cores or higher running @ 2.1GHz or higher. Must be capable of supporting memory running at 2666 MHz. Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)	We request that the supporting memory be capable of running at a min of 2933 Mhz, as cascadelake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted
			Memory	16 nodes with 192GB DDR4-2666 with ECC or higher, in balanced configuration populating all memory channels.	We request that this clause be changed to 16 nodes with 192GB DDR4-2933 with ECC or higher, in balanced configuration populating all memory channels. Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)"	Accepted

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			Must have free memory slots to upgrade further by adding memory modules (at least 16 DIMMs)		
	Page no.44/65 3. GPU Nodes	Process or	2 x Intel Xeon Scalable processors (Formerly codenamed Cascadelake) with x86_64 architecture, each having 20-cores or higher running @ 2.1GHz or higher. Must be capable of supporting memory running at 2666 MHz . Peak performance of each CPU should be 1344 GFLOPs or more (with turbo frequency and hyper-threading feature disabled)	We request that the supporting memory be capable of running at a min of 2933 Mhz , as cascadelake CPUs support 2933MHz. 2666MHz memory will render a sub-optimal system	Accepted
		Memory	192 GB DDR4-2666 with ECC or higher, in balanced configuration populating all memory channels	We request that this clause be changed to " 192 GB DDR4-2933 with ECC or higher, in balanced configuration populating all memory channels"	Accepted
	Page no.45/65 3. PFS Storage System- 160TB (with 2 I/O nodes) A. I/O Nodes	b. Memory	192GB DDR4 - 2666 with ECC or higher in balanced configuration populating all memory channels	We request that this clause be changed to " 192GB DDR4 - 2933 with ECC or higher in balanced configuration populating all memory channels"	Accepted
		h. Form Factor	Rack-mountable with rail-kit. 1U or lower	We request that this clause be relaxed to "Rack-mountable with rail-kit. 2U or lower "	Accepted
	Page no.14/65 Qualification/Eligibility Criteria	18.1	18.1 Server OEM must have installed at least 3 HPC Clusters of the same size in terms of no. of nodes, or more, with minimum performance of 25TF or higher, with Infiniband/ OPA Fabric in India, of which at least 2 installations shall be at Govt. Education & Research Organizations, during last 5 years. Documentary evidence to be provided with installation reports.	Server OEM must have installed at least 3 HPC Clusters of the same size in terms of no. of nodes, or more, with minimum performance of 25TF or higher, with Infiniband/ OPA/10G Fabric in India, of which at least 2 installations shall be at Govt. Education & Research Organizations, during last 5 years. Documentary evidence to be provided with installation reports	As per NCB

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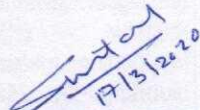
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			Kindly Consider Below points as well: 1. We need to get BeeGFS included alongside Lustre 2. IO Servers form factor need to be relaxed from 1U to 2U 3. Memory across all nodes need to be 2933MHz instead of 2666 MHz as Casacdelake supports 2933MHz DIMMs. Proposing a 2666MHz will render a sub-optimal system	See Above
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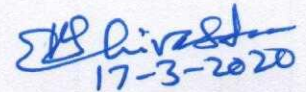
Meeting concluded with thanks to the Chair.


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[Mohd Danish Ansari]
Nodal Officer (Procurement), TEQIP-III


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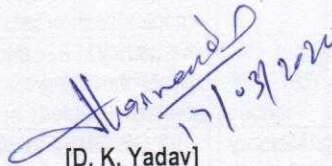
[Shwetank Parihar]
Nodal Officer (Finance), TEQIP-III


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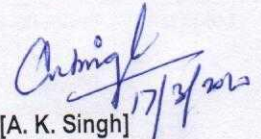
[Vinay Kumar Srivastava]
Coordinator-TEQIP-III


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[Mayank Pandey]
Member

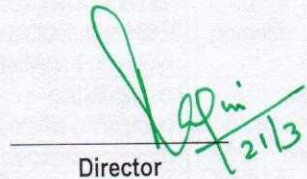

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[D. K. Yadav]
Member


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[A. K. Singh]
Indenter & Head

✓
Approved/Returned for Review


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Director