



Minutes of the Meeting of Pre-bid Conference

Ref. # : 129/TEQIP-III/2019-20 dated 22.07.2019
Package Code: TEQIP-III/mnni/13
For : Procurement of High Performance Computing Equipment in the Institute
Date & Time : 30.07.2019 at 1200 Hrs.
Venue: Room No. 203 Conference Hall (Purchase Office) MNNIT Allahabad

The Pre-bid Conference for the above Tender was held on 30.07.2019 at 1200 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. Dr. D. K. Yadav, CSED
3. Dr. Mayank Pandey, CSED
4. Coordinator TEQIP-III
5. Nodal Officer, Finance-TEQIP-III
6. Nodal Officer, Procurement-TEQIP-III

Representatives of prospective Bidders:

Sl.	Name of Firm	Represented by
1.	M/s Dell India	Ravi Shanker Pandey Key Account Manager-UP 9936792708 Mail: Ravi.S.Pandey@dellteam.com
2.	M/s Netweb Technologies India Pvt. Ltd. B-1/A25, 2nd Floor, Mohan Co-Operative Industrial Estate, Mathura Road, New Delhi-110044	Mr. Hirdey Vikram hirdey.vikram@netwebindia.com

- (i) The Committee extended a warm welcome to the representatives present in the meeting.
- (ii) Works and contents of the tender document were briefed to both the prospective bidders and various associated important provisions of the tender document were also explained.
- (iii) The persons representing the above firms were requested to furnish queries, (if any), in writing latest by 31.07.2019 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	Open Tender Reference(s) (Section, Page)	Parameters	Entry in NIT Document	Point of Clarification Required / Query	Resolution
1.	M/s Lenovo India Private Limited [Query received through email on 29.07.19]	Page no.46/67 – under GPU Compute Nodes(s) at point 3(b)	GPU	2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs	In GPU nodes MNIT has asked for 4 GPU support, we do not support 4 GPU in single node and same do most of the OEMs. We are leading OEM in HPC , servers & storages, we do provide 8 or more PciE slots on motherboard which if wish then can be populated with 4 x GPU cards physically but we do not support same as technology because as this will lead to high heating generation which can degrade the GPU performance. So we request to change the same to "2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 3 GPUs"	Accepted as below: "2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3 GPUs or more"
		Page no.45/67 – under Master/Login Node(s) at point 1 (e)	Optical Disc	DVD ROM drive (Internal Only)	In master node optical DVD is asked as "DVDROM drive (internal only)" we request to change the same to "DVDROM drive". We support external DVD in the servers this functions same as internal drive.	Accepted as below: "DVD ROM drive"
2.	M/s Dell India Private Limited [Query received through email on 29.07.19]	Page no.46/67 – under GPU Compute Nodes(s) at point 3(b)	GPU	2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs	In GPU node tender have asked for 2 GPU and scalable upto 4GPU Request to change it to 3 GPU."(We don't have any model which can support scalability upto 4GPUs.The best practice and recommendations is to have NVLink when you plan to have 4 GPUs. For NVLink it is mandatory to have atleast 4 GPU. We need you to either remove the scalability	Accepted as below: "2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3

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					requirement or option for 1 GPU server with 4 GPUs in NVLink. Also NVIDIA Tesla V100 16GB is no longer available only NVIDIA Tesla V100 32 GB is available.)	GPUs or more"
					Also, request to include the below 3 points. 1. All the HPC Server and Storage Solution should be from a single OEM. Rebranded systems or storage is not allowed to quote. 2. The OEM of the server and storage must have a proven track of atleast 10 entries in top500.org from past 3 list. 3. The Server OEM must be present in Leader's quadrant in Latest Gartner Magic Quadrant.	As per tender
3.	M/s Fujitsu India Pvt. Ltd. [Query received through email on 30.07.19]	Page no.46/67 – Under GPU Compute Nodes(s) at point 3(b)	GPU	2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs	GPU: 2 x Nvidia Tesla V100 with 16GB. We support max 2 GPGPUs in a node.	Not Accepted: 2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3 GPUs or more.
		Page no. 47/67 under object stage target (OST) and Meta Data Target (MDT) Node at point B(d).	Form Factor	Rack-mountable with rail-kit. 8U or lower.	Rack-mountable with rail-kit. 14U or lower	As per tender
4.	M/s CCS Computers Pvt. Ltd. [Query received through email on 30.07.19]	Page no. 46/67 – Under GPU Compute Nodes(s) at point 3(b)	GPU	2x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs.	Request to change it to 3 GPU. (We don't have any model to support scalability up to 4 GPUs. The best practice and recommendation is to have NVLink when you plan to have 4 GPUs. For NVLink it is mandatory to have atleast 4 GPU. We request you to either remove the scalability requirement or opt for 1 GPU sever with 4GPUs in NVLink also NVIDIA Tesla V100 16 GB is no longer available. Only NVIDIA Tesla V100 32GB available)	Accepted as below: "2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3 GPUs or more"
					Request to include the below 3 point. 1:- All the HPC Server and storage solution should be from a single OEM. Rebranded systems or storage is not allowed to quote. 2:- The OEM of the server and storage must have a proven track of atleast Of 10 entries in top 500.org from past 3 list. 3:- The server OEM must be present in leader's quadrant in latest Gartner Magic Quadrant.	As per tender
5.	M/s Acme Digitek Solutions Pvt. Ltd. [Query received through email on 30.07.19]	Page no. 45/67 – Under GPU Compute Nodes(s) at point 2(i)	Expansion	2 x free PCIe x16 expansion slot"	As to quote dense solution it will be Difficult to have 1 free slot.	As per tender
		Page 46/67 under GPU Node(s)-at 3 (b)	GPU	2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs	Request you to please reduce 4GPU's to 3 GPU's or allow us to quote 4U form factor.	Accepted as below: "2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3 GPUs or more"
6.	M/s Hwelett Packard Enterprise [Query received through email on 31.07.19]	Page no. 45/67 – Under GPU Compute Nodes(s) at point 2(i)	Expansion	2 x free PCIe x16 expansion slot"	As to quote dense solution it will be Difficult to have 1 free slot.	As per tender
		Page 46/67 under GPU Node(s)-at 3 (b)	GPU	2 x Nvidia Tesla V100 with 16GB supporting upgrade upto 4 GPUs	Request you to please reduce 4GPU's to 3 GPU's or allow us to quote 4U form factor.	Accepted as below: "2 x Nvidia Tesla V100 with 16GB or higher supporting upgrade upto 3 GPUs or more"
7.	Netweb India [Query received through email on 31.07.19]	Page 46/67 under GPU Note (a)	-	Bidders have to offer Total Linpack theoretical peak performance (CPU-CPU performance only) of at least 38.7Tera Flops from 18 Nodes (Including all types of compute nodes part of HPC)	it is mentioned that "sustained performance must be 65% of peak performance" Request for Change – it is important to bring to your kind notice Skylake Generation of Processor have maximum reported sustained efficiency worldwide is 60% , and with Melt & Spectre Security parameters this comes down even further with HPL	As per tender

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			and sustained performance -must be 65% of peak performance (Performance of GPUs not part of it.)	benchmarks. Thus we request MNIT to please reduce the %age to 60%.	
	Page no.45/67 under Master/login Node(s) at 1(d)	Disks	2 x 480GB TLC SATA SSDs as RAID1	We request you to please consider "TLC or Latest with higher performance SATA SSDs"	Accepted TLC or latest with higher performance SATA SSD's
	Page # 49/67 under qualification criteria at para 1	-	"Server OEM must have installed at least 5 HPC Clusters of the same size in terms of no. of nodes, or more, with minimum performance of 20TF 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. Server OEM must be listed in Top 500.org lists during last 2 years in at least three lists out of total four bi-yearly lists during the said tenure."	Server OEM must have installed at least 5 HPC Clusters of the same size in terms of no. of nodes, or more, with Infiniband/OPA Fabric during last 10 years. Documentary evidence to be provided. Server OEM must be listed in Top 500.org lists during last 2 years in at least three lists out of total four bi-yearly lists during the said tenure.	As per tender
	Page no. 49/67 under qualification criteria at point 4	-	Bidder must have prior experience in installing at least 2 HPC clusters and at least one PFS across Govt. Education and Research Organisations in India. As a proof details of such installations should be provided along with the bid.	Bidder/OEM must have prior experience in installing at least 2 HPC clusters and at least one PFS across Govt. Education and Research Organisations in India. As a proof details of such installations should be provided along with the bid.	As per tender
	Page no. 49/67 under qualification criteria at point 7	-	The bidder, along with their server OEM, should have a proven record of having demonstrated their competence and capability as a team, to deliver turnkey facility and in providing services similar to the one expected during the contract period.	The bidder and server OEM should respectively have a proven record of having demonstrated their competence and capability, to deliver turnkey facility and in providing services similar to the one expected during the contract period.	As per tender
	Page no. 15/67 under dealing & marking of bids at 18 (18.2)	-	"Bid Security of Rs. 8,37,620 in the form of either Fixed Deposit or Bank Guarantee"	Please consider EMD exemption will be given to NSIC or MSME registered firms. Since its as per Govt rules & regulations only thus this should be considered by MNIT officials.	Exemption to NSIC or MSME registered firms as per GFR 2017.

Meeting concluded with thanks to the Chair.


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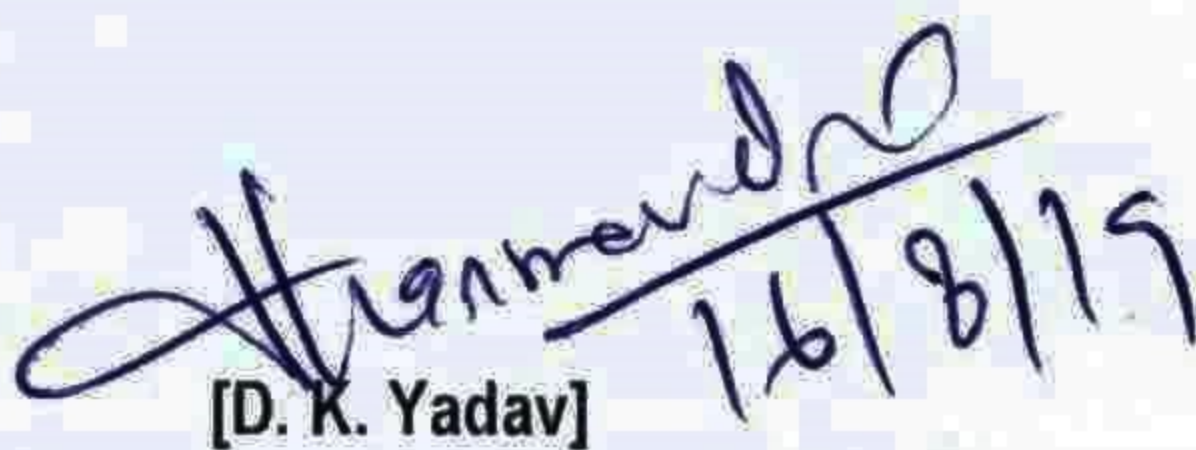
[Nodal Officer (Procurement) TEQIP-III]


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[Nodal Officer (Finance) TEQIP-III]


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[Coordinator-TEQIP-III]


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[D. K. Yadav]


16/8/19

[Mayank Pandey]


16.8.19

[A. K. Singh]

Approved/Returned for Review


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Director