

Ref: Tender No. C-DAC/HPC/Upgradation/11-12

Dated: 30.09.2011

“UPGRADING OF HPC SYSTEMS AT CDAC KNOWLEDGE PARK, BANGALORE”

Queries raised by the bidders during pre-bid meeting on 10.10.2011 and the clarification are as follows:

Sr.No	Query	Clarification
	M/s. Cray Supercomputers (India) Pvt Ltd., New Delhi.	
1.	Cray Inc. is the bidder and the OEM for the system. Should we submit any letter referred in this point?	Not Required
2	There is lengthy testing procedure, running into 4 weeks. Transportation, customs clearance, installation may take another 2 weeks. That leaves only 6 weeks for shipping from PO. May I request to grant 12 weeks for shipping (or delivery at site) after Purchase order or opening of LC.	No Deviations permitted
3	As per clarification granted by CDAC in the EoI Queries – we shall follow the statutory requirements as the State/Central Government regulations. Is that clarification valid here too?	Yes
4	We have asked deviation for Clause 1 of section II. Additionally, there is ‘penalties for delayed delivery’ clause on page no 9, Section III, point no. 11. This seems conflict. On top of it all – Cray system needs export license (form Govt. of USA). Our delivery schedule also linked to status of export license. From our experience – this takes well under 12 weeks.	No Deviations permitted
5	It has ‘at site only’ condition. We may have to send failed components for repair and return to factory (not full system though)? If the system is turned on in degraded mode with in 48 hrs will that be acceptable? Does this 48 hrs include weekends and holidays?	No deviations permitted. C-DAC expects the supplier to keep sufficient spares in their Bangalore Office. However, depending on the nature of components and with proper justification, C-DAC may take a suitable decision. In such a situation, all expenses will be borne by the supplier.
6	What will be the CDAC’s team size for training?	The team size would be 10 - 15 persons.
7	Cray MPP system has specially designed head nodes as per the needs of the system. It is not general purpose nodes and do not meet the specifications described in the RFP. However, it	The total processor cores, memory and storage capacity should be aggregated or should be

	handles all the functionalities of head node. Will deviations be acceptable?	matched with the specifications of Head node. HPC head node should have same functionalities.
8	Cray MPP system has diskless compute nodes. Form factor is different (as described in the EOI response technical document).	Acceptable as long as it meets the requirements of benchmark applications.
9	MEME benchmark criteria are not meeting the RFP requirements.	The qualification of bids would be based upon successful completion of any two benchmarks.
10	Cray MPP system has Proprietary interconnect (Gemini) which has highest level of reliability, robustness built in. The system does not support Secondary communication Network.	The performance and functionalities should be matched with Secondary Network as specified in Table 4.2
11	Even the configuration of 'Network and Management Nodes' is specially designed for needs of the MPP system. Does not match with RFP specifications. Will this deviation be acceptable?	The performance and functionalities should be matched with Network and Management Node in Table 5
12	Why OS license for TEN nodes ?	Entire cluster should be registered with Licensed Operating system.
13	Compilers: In case of INTEL or AMD – it asks for two different licensed compilers and for RISC/EPIC is it only one?	Yes. Compilers should be chosen by vendors.
14	Is it 3 Phase or 1 phase?	It is 3 Phase.
15	What are the measurements for depth under false floor, height between false floor and ceiling?	<ul style="list-style-type: none"> Depth under the false floor is 450mm / 17.7". Height between false floor and ceiling is 2210mm / 87"
16	15 Tons of AC means 52KW cooling. But the power is defined as 60 KW. This is a mismatch.	Maximum 60kW

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	M/s. Locuz Enterprise Solution Ltd., Bangalore	
1	We would like to provide Bank Guarantee as EMD.	No deviations permitted. EMD as per RFP to be provided.
2	Is undertaking required from the disti during bid submission or at the time of order placement.	Undertaking may be provided during order placement.
3	We would like to quote as CIP-Bangalore Airport;	No deviations permitted

	customs clearance from Bangalore airport to be done by CDAC.	
4	Do we need MAF again.	Not Required
5	As Head node need not have same processor speed; we suggest CDAC to look at Same processor type and processor series for example Intel westmere 6 Cores or power 7 etc..	Vendors can quote processors from same processor family with same or higher clock speed.
6	Generally Head node need to have extra PCI Slots for other connectivity; which is not asked for in Head nodes specifications. We suggest CDAC to put 1 PCIe slot for Compute nodes and 2 or more PCIe slot for Head nodes.	1 PCIe slot for Compute nodes and 2 or more PCIe slot for Head nodes is acceptable.
7	Higher clock speed within the same processor family is fine, but looking at different processor family will have unforeseen affect on benchmark.	Vendor to decide the selection required for the benchmark and other specs. The benchmarking results should be submitted during submission of RFP.
8	To clarify if this is hardware or software based RAID. Also can we quote with RAID 5.	It is Hardware RAID. Quotations for RAID 5 would not be accepted.
9	Sustained performance should ideally be WRITE throughput in this environment.	It is write throughput
10	Our solution comes with a Client based management GUI.	It is Acceptable if it meets the functionalities as mentioned in RFP.
11	We suggest CDAC to either ask for hardware OEM to provide complete support for PFS Storage or bidder should provide inputs on at least 2-3 installations where they have implemented PFS Based storage. As PFS is critical and complex installation it should be looked into.	Not Required.
12	We suggest CDAC to look for Scalability to 400TB by adding Disks, controllers, and enclosures as this also increase the performance.	Refer Table 3, Scalability section
13	Are we suppose to quote only for extra compute or related network and other solutions also	The vendors should quote for the complete solution.

Sr.No	Query	Clarification
	M/s. Value Point systems Pvt Ltd., Bangalore	
1	In case of Scaling the storage from 200TB to 400TB should the performance of the system remain constant	It should remain constant