

Page #	Pt. #	Clause	Query / Amendment requested	IIT Dharwad Committee Remarks
2	9	EMD : Rs 5,00,000/- DD	Please allow to submit the EMD in the form of Bank Guarantee.	Submission of EMD in the form of Bank Guarantee is allowed. Bank Guarantee should be valid for two months beyond the validity of the tender.
3	Para 3	A bid has to be supported with original catalogue (not of photo copy) of the quoted model duly signed by the principals and the same must be sent along with the technical bid.	Now a days, all catalogues are available online & in electronic format only. Please allow to submit the print out of the same (as original catalogue of product quoted) dully sign by bidder or OEM.	The submission of print out of online catalogues same as those quoted is allowed. The OEM/bidder should sign each page of the catalogue.
4	9	OEM has to feature in the top 500 supercomputer sites (available at www.top500.org) consistently over the past 3 years with at least 5 installations globally and mentioned in the list over the past 3 years	Does it mean that the OEM should have minimum 5 entries in each of the list published for top 500 supercomputer sites (available at www.top500.org) during last 3 years (i.e. June 2016 to June 2018). <b>Pls clarify.</b>	OEM should have consistently featured with min. 5 entries in each of the lists published in the past 3 years.
5	f	One site/visit engineer has to be deployed for a site-visit of 1 full working day (9.30am to 5.00pm) per week for a period of 12 months after the initial training on "how to manage the HPC facility" to the authority at IIT Dharwad	We request you to amend the same as - One site/visit engineer has to be deployed for a site-visit of 1 full working day (9.30am to 5.00pm) per <b>month</b> for a period of 12 months after the initial training on "how to manage the HPC facility" to the authority at IIT Dharwad.	The clause is retained with a requirement of one site/visit engineer for 1 full working day per week for a period of 12 months.
5	j	OEM/bidder should give a Benchmark Report and Performance Demonstration for the HPC solution.	This HPC Performance benchmark should be demonstrated at site after completion of installation of supplied HPC system? <b>Pls clarify / confirm.</b>	Standard benchmark report (Linpack) should be supplied with the bid as a theoretical per node performance. The Demonstration for the HPL benchmark on the whole system should be carried out at site after installation.
		Currency	Please accept & allow us to submit the offer in USD currency.	The offer may be made in US dollar currency also. However, for comparison purpose rupee equivalent as per RBI website as on the last day fixed for submission of the tender shall be considered.

		Payment	This is a high value item. Hence we request you to amend the payment terms as minimum 80% payment should be released against delivery of goods at site & balance 20% against installation /acceptance & submission of PBG.	The payment terms are as per the tender. Mere delivery of goods do not warrant the payment. The payment shall be made after successful delivery, installation, commissioning, demonstration and acceptance of equipment at IIT Dharwad.
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Description	To be included	Advantage to IIT	IIT Dharwad Committee Remarks
Environmental Monitoring Soln	<ul style="list-style-type: none"> <li>a. Intelligent Rack environment remote monitoring.</li> <li>b. Modbus 485 Communications</li> <li>c. SNMP Communication.</li> <li>d. Single window for monitoring all sensors.</li> <li>e. Data and logs of historical information of alarms and notification.</li> <li>f. Temperature &amp; Humidity Sensor, with LCD display and RJ45 connector.</li> <li>g. Door opening sensor with RJ 45 connector.</li> <li>h. Water leak detection sensor with RJ45 connector.</li> <li>i. Smoke detection sensor with RJ45 connector.</li> <li>j. Alarm device with LED flash and sound option.</li> </ul>	IIT Will be able to get remote Monitoring of Non IT Infra along with email Alert	Additional monitoring solutions are not required for the currently tendered HPC facility of IIT Dharwad except as already specified in the tender.
List of OEM for Smart Rack Solution	Vertiv/ Schneider/ Rittal		It is not required to list OEM for Smart Rack Solutions.
Single OEM	UPS, Precision Cooling Unit and Environmental Monitoring Solution has to be from Single OEM	<ul style="list-style-type: none"> <li>1) Single Service Window during AMC/ Warranty period</li> <li>2) Seamless Integration of UPS to Smart Rack Solution will be possible as mentioned in Tender Document.</li> </ul>	The last clause for Item 7 on smart-rack and power back-up solution requires seamless integration.
One OEM can authorize one partner only and one partner can represent only one OEM.	Not Applicable for Smart Rack	Please Confirm	Yes, the One OEM-one integrator partner excludes smart-rack. Refer to point 1 of eligibility criteria.

Query	IIT Dharwad Committee Remarks
<p>Reference Annexure-I: Point no: 3,4 8  3. Mellanox or OPA switch  4. 48 port layer-2 managed switch Gigabit ethernet switch  8. Rack mountable KVM</p> <p>In case of fail over/ for redundancy we would like to know if you wish to consider the additional one more qty of the above said line items as against one qty</p>	<p>The additional quantity/quantities of mentioned items in the query are not required.</p>
<p>Reference Annexure-I: Point no: 8</p> <p>8. Rack mountable KVM --- We would like to know how many ports KVM switch is required here, as it is not mentioned clearly.</p>	<p>The requirements for number of ports for KVM switch for the entire solution is left with the OEM/ bidder to decide.</p>

Clause	RFP Specifications	Change request/Confirmation	IIT Dharwad Committee Remarks
EARNEST MONEY DEPOSIT	Rs. 5,00,000.00 (Rupees Five Lakhs Only)	The bidder is a Small Enterprise in Service Sector and is also empanelled with NSIC and is eligible for EMD & Tender fee exemption. Request to allow us the respective exemptions.	The NSIC certificate is accepted for the EMD exemption, however, if the service sector firm is not an OEM then the OEM that the firm is representing need to be an Indian firm.
clause -3	OEM/Bidder should be registered under the Companies Act, 1956 or a registered firm of India. A copy of Registration certificate indicating above should be submitted. Bidder (and/or OEM) must have a well established service center in India. A certificate regarding this must be provided	We request to change OEM/Bidder to <b>Both OEM and Bidder</b>	This change request can not be accommodated.

<p>Clause -4</p>	<p>OEM/bidder should have documentary evidence of having supplied, installed and integrated at least one Infiniband OR OPA based HPC cluster of 50 TF or higher (in a single order) in an Indian, Centrally/State funded institutions (like IITs, IISc, IISERs, TIFRs, NITs) or in Central Government organizations or PSUs or Universities. OEM/bidder must provide proof of supply and a certificate of satisfactory performance of the installed cluster. This must be produced along with the bid document.</p>	<p>Since the bidder will be responsible to build and support HPC facility therefore the expertise and skills of bidder will help IIT Dh to commission and maintain the facility, therefore we request to change from <b>OEM/Bidder to Bidder</b>. Also requesting to change the same to following clause 5, 6 and 7 mentioned on page 4 of RFP.</p>	<p>This change request can not be accommodated.</p>
<p>Storage: Parallel File System</p>	<p>Lustre based Parallel File System (PFS) of minimum 100 TB usable capacity in hardware RAID 6 (8+2) or equivalent layout with a minimum of 2 GB/s demonstrable write performance on IOR and two global hot spare disks.</p>	<p>Please confirm if hardware RAID to be proposed or software RAID also can be offered.</p>	<p>In this case, hardware RAID has been asked to be proposed.</p>
<p>Re-location &amp; Re-Commissioning</p>	<p>One free of charge re-location and re-commissioning of the HPC facility from the present Walmi campus of IIT Dharwad to the permanent campus of IIT Dharwad should be provided.</p>	<p>1) please confirm whether the IIT Dharwad will manage the physical movement of infrastructure from walmi campus to new campus? 2) Also there are few consumable items which will change based on site like the distance between indoor and outdoor unit and pipe requirement and gas requirement will get changed, such additional cost to be borne by IIT Dharwad..</p>	<p>One free of charge relocation and recommissioning of the HPC facility has to be provided. No additional cost to be borne by IIT Dharwad within the warranty/AMC period of 5 years in total (3 + 2 years).</p>
<p>One site/visit engineer</p>	<p>One site/visit engineer has to be deployed for a site-visit of 1 full working day (9.30am to 5.00pm) per week for a period of 12 months after the initial training on "how to manage the HPC facility" to the authority at IIT Dharwad. The site/visit engineer should be appointed from the date of acceptance and installation of HPC at IIT Dharwad, Walmi campus. Engineer should have experience of HPC environment and should be able to solve first level of all types of call/queries related to HPC. Further, during off-campus days, the Engineer should be able to support over telephone. A detailed resume of the Engineer to be provided along with Technical Bid.</p>	<p>The RFP has not described the payment terms for site/visit engineer. We propose the payterms to be 100% upon the deployment of resource.</p>	<p>No payment terms for the site/visit engineer from IIT Dharwad. The last para of the tender i.e. after item 8 of Annexure-I lists service of the site engineer as part of the package.</p>

Duties & Taxes	The rates quoted by the supplier should, in addition to the cost of the items, include charges towards installation, relocation, spares, consumables, transportation, insurance, freight, loading, unloading, services of site engineer, taxes and duties etc. covering the free warranty period of three years and the extended comprehensive annual maintenance contract of additional two years (4th and 5th years).	Tender does not talk anywhere about Duties/ Taxes. For USD if IIT Dharwad exempted under 51/96 then IIT-Dharwad needs to bear concessional duty /IGST under DAP terms to customs directly. For Rupee if IIT-Dharwad is eligible for concessional Taxes under Notification no.45 then GST 5% will be applicable on Hardware and 18% on Services upon submission of pre-described declarations. Please confirm if IIT-Dharwad has GST exemption.	The L1 from the commercial bid would be decided without considering the taxes and duties. The Taxes and Duties would be extra and applicable concessional Govt. certification would be produced at an appropriate time.
Payment Terms	Payment shall be made after the successful delivery, installation, commissioning, demonstration and acceptance of the equipment at IIT Dharwad. However, PBG should cover the entire warranty period plus two months.	The solution would require to import equipments as well as deliver indigenous items, therefore separate billing shall be done in USD and INR respectively. We request to change payment terms to: 1. For imported goods - 100% against delivery through LC. 2. for indigenous goods and services - 90% against delivery and 10% against successful installation and acceptance.	The payment terms are as per the tender. Mere delivery of goods do not warrant the payment. The payment shall be made after successful delivery, installation, commissioning, demonstration and acceptance of equipment at IIT Dharwad.
Disks (Optional)	Diskless nodes, if bidder provides one disk per node, then include 1 x 240 GB Enterprise Grade SATA SSD	please confirm if we should propose both option a. diskbased computes b. diskless computes	It is suggested to propose any one option.
Benchmark Report	OEM/bidder should give a Benchmark Report and Performance Demonstration for the HPC solution.	It is not clear that what benchmark to be carried out, and whether the benchmark report is part of technical bid or part of acceptance of system at site, also please specify if HPL performance to be calculated with turbo on mode.	Standard benchmark report (LinPack) should be supplied with the bid as a theoretical per node performance. The Demonstration for the same should be carried out at the site after installation.
Room Layout	Diagram	We request to provide the room layout to design the solution.	The overall dimensions of the room are between 240 sq. ft. to 260 Sq. ft. The bidders are expected to compute peak heating load when all the nodes are operational to design the smart-rack solution.

Utility/UPS room		Please provide the details of identified location to place the UPS and batteris. Also please provide the power input details and earthing to be provided by IIT Dharwad. (two for UPS, one for rack and one for out door units); we also suggest to increase UPS backup time from 20 mins to 30 mins.	A site layout may or may not be available for the OEM/bidder. The power supply is a 3-phase input. The preparation of earthing falls under OEM/bidder's scope. There will not be any increase neccesary in the UPS backup time.
Out door Units	location	Please provide the identified location to place the outdoor units and distance between racks to outdoor units, also when the system to be relocated to IIT Dharwad permanent campus then it would need decommissioning and recommissioning of entire solution and for UPS and cooling it is similar to installation of a fresh unit, please confirm the distance between server room and outdoor/UPS room location in permanent campus to arrive on additional requirement of material. Any changes at later stage may occur additional cost which to be born by IIT Dharwad.	One free of charge relocation and recommissioning of the HPC facility has to be provided. No additional cost to be borne by IIT Dharwad within the warranty/AMC period of 5 years in total (3 + 2 years).

Query	IIT Dharwad Committee Remarks
<p>We would like to participate this tender . We have MSME Certificate(Attached the Certificate) and Govt of India GR for startups and Medium enterprises (Attached the Certificate) to get Exemption from EMD amount, Tender fees, Security deposit Prior Experience- Prior Turnover criteria and for startup company like us. Kindly confirm do you accept above both certificate so that we canparticipate this tender.</p>	<p>The NSIC/MSME certificate is accepted for the EMD exemption, however, if the service sector firm is not an OEM then the OEM that the firm is representing need to be an Indian firm.</p>

Section/ Sub-section	Specifications in RFP	Requested change	Remark	IIT Dharwad Committee Remarks
Annexure - I / Master Node	Two physical processors with x86_64 architecture, each having 12-cores or higher, running @ 2.0GHz or higher base frequency. Must be capable of supporting memory running at 2666 MHz, base performance per physical processor should be 1.5 TF or higher	Latest generation of intel processor along with model number to be mentioned	Please specify the processor model number from the latest generation of Intel. So that all OEMs could quote for the same processor.	This change request can not be accommodated. Processor must meet the specifications given in the tender.
Annexure - I / Master Node	4 PCIe 3.0 slots, with atleast 2 nos of PCIe 3.0 x16 slots	3 PCIe 3.0 slots, with atleast 2 nos of PCIe 3.0 x16 slots	1U form factor server can accommodate maximum 3 PCIe x16 slots as industrial standard	A change is accepted and made in the RFP as: minimum 3 PCIe 3.0 slots, with atleast 2 nos. of PCIe 3.0 x16 slots
Annexure - I / Compute Node	Two physical processors with x86_64 architecture, each having 12-cores or higher, running @ 2.0GHz or higher base frequency. Must be capable of supporting memory running at 2666 MHz, base performance per physical processor should be 1.5 TF or higher	Latest generation of intel processor along with model number to be mentioned	Please specify the processor model number from the latest generation of Intel. So that all OEMs could quote for the same processor.	This change request can not be accommodated. Processor must meet the specifications given in the tender.