

**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DHARWAD**

Ittigatti Road, Near Sattur Colony, Dharwad -580009

Website: www.iiitdwd.ac.in

**TENDER DOCUMENT**

[Technical bid and Price bid system – e-Procurement mode] e-Tender Event No.  
IIITDWD/2021/ET/15

Tender Notification. Ref No.: IIITDWD/MMU/GPUSERVER/NIT/255-4/2021/400  
07/01/2022

Dated:

Name of the work	Providing, Supplying, Installing, Testing, Deployment and Commissioning of GPU based Server at IIIT Dharwad
Estimated amount put to tender	Rs. 13,50,000/-
EMD amount	Rs.68000/-
Application Fee	Rs. 5000/-
Processing Fee	As per mhrd.euniwizarde.com
Time for supply of item after release of purchase order	45 Days
Last date for submission of e- tender	28/01/2022, 15:00 IST
Address for Submission of Tender	<a href="https://mhrd.euniwizarde.com">https://mhrd.euniwizarde.com</a>
Date of opening of Technical bid	28/01/2022, 15:30 IST
Date of opening of Financial bid	Will be notified after evaluation of the Technical Bids

**Note:** EMD shall be remitted through RTGS/ NEFT and its acknowledgement shall be uploaded in e-procurement portal while submitting e-tenders.

**Detailed procedure for submission of e-tenders is available in the website <https://mhrd.euniwizarde.com>**

**NOTICE INVITING TENDER (NIT)**

Tender Notification. Ref No.: IIITDWD/MMU/GPUSERVER/NIT/255-4/2021/  
07/01/2022

Dated:

The Indian Institute of Information Technology-Dharwad, Karnataka (in short – IIIT- Dharwad) is an Institute of National Importance by act of Parliament under PPP Mode imparting IT Education and engaged in Research Activities. It is proposed to procure the items for the departmental academic/research activities at its new campus.

Online Tenders(<https://mhrd.euniwizarde.com/>) are invited for the following items in two cover system (i.e., Technical bid and financial bid) subject to the following terms and conditions, from the reputed manufacturers or its authorized dealers so as to reach this office on or before scheduled date and time. The tender (Technical bid) will be opened online on the due date as mentioned. Bidders can verify their bid status through online portal <https://mhrd.euniwizarde.com/>. The financial bid of only such bidders whose technical bid is accepted shall be opened on the same day or later pre-informed date.

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<b>SECTION 1: INSTRUCTION TO BIDDER (ITB)</b>	
1.	The bid should be submitted in two covers System-Technical Bid and Financial Bid through <a href="https://mhrd.euniwizarde.com">https://mhrd.euniwizarde.com</a> .
2.	<b>Technical Bid:</b> Documents related to the Technical Bid should be submitted in PDF format through e-Tendering portal <a href="https://mhrd.euniwizarde.com">https://mhrd.euniwizarde.com</a> .
3.	<p><b>The Technical Bid should contain the following documents:</b></p> <ol style="list-style-type: none"> <li>License certificate for manufacture /supply of the item &amp; Factory license</li> <li>List of Owner/partners of the firm and their contact numbers (Bidder Information)</li> <li>Copy of GST certificate &amp; PAN No.</li> <li>Catalogue of the Product with detailed product specifications.</li> <li>List Service Centres.</li> <li>List of customers with contact details including satisfactory report for supply and installation of the materials from the customers end.</li> <li>Warranty Period Offered for the tendered item to be specified. If the Warranty period is not conforming with the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.</li> <li>Undertaking that the successful BIDDER agrees to give a Performance Security amounting to <b>5%</b> of the purchase order value in favour of “The Director, IIIT Dharwad”.</li> <li>The copy of the Balance sheet, Profit &amp; Loss A/c., Trade or Manufacturing A/c for the last 3 years should be enclosed</li> <li>The Bidder/Manufacturer shall have successfully executed similar work in the last three years i.e., Single Order worth 80% of this tender estimate ‘or’ Two Order worth 40% of this tender estimate ‘or’ Three order worth 30% of this tender estimate.</li> <li>Duly filled in the checklist should be submitted along with the Technical Bid.</li> <li>Contract form given in SECTION 5 needs to be submitted.</li> <li><b>Earnest Money Deposit (EMD):</b> Notification No. F.9/4/2020-PPD from Ministry of Finance</li> <li><b>Digitally signed tender document should be attached during bid submission.</b></li> <li>Signed EMD Declaration form should be attached during bid submission.</li> </ol>
4.	<b>Financial bid:</b> The bidders should submit their financial bid in the BoQ format that has been provided with the tender in the form of an Excel sheet in the online bid through e-Tendering portal <a href="https://mhrd.euniwizarde.com">https://mhrd.euniwizarde.com</a> . After evaluation of technical bid, the technically successful bidders will be qualified for Financial bid.
5.	<b>Bid Evaluation:</b> On the due date, the Technical bids will be opened and referred to the Purchase Committee which is duly constituted by the Director, IIIT Dharwad. The committee will go through the technical aspects of the tender and recommend shortlisted firms. The recommendation of the committee is final and binding on all the parties. The committee may visit the manufacturing site to assess the capabilities to manufacture the tendered items as per the specifications. In case of any remarks/default noted, the EMD will be forfeited even if pre-qualified.
6.	<b>Quoting of Price(s):</b> Price quoted should be in Indian Rupees, free delivery to IIIT Dharwad including loading/unloading

7.	The Bid will be accepted only from the manufacturers (OEM) or its authorized supplier.
8.	The incomplete or conditional tender will be rejected.
9.	The Institute reserves the right to cancel at any time after acceptance of the tender with a notice. The Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which might have derived from the execution of the supply.
10.	<p><b>Performance Security:</b> The successful bidder shall deposit performance security of 5 to 10% of the quoted price in the form of Bank Guarantee / Demand Draft / Fixed Deposit Receipt of any scheduled bank drawn in favour of The Director, IIIT Dharwad, payable at Dharwad. In case the bidder fails to deposit the said Performance Security within the stipulated period, including the extended period if any, the Earnest Money Deposited by the bidder shall be forfeited automatically without any notice. Please note the following points.</p> <ol style="list-style-type: none"> <li>Successful bidder should submit performance Security as prescribed above to the purchase Section, IIIT Dharwad, on or before 30 days from the date of issue of order acknowledgment.</li> <li>Performance Security shall be for the due and faithful performance of the contract and shall remain binding, notwithstanding such variations, alterations for extensions of time as may be made, given, conceded or agreed to between the successful bidder and the purchaser under the terms and conditions of acceptance to tender.</li> <li>The successful bidder is entirely responsible for the due performance of the contract in all respects according to the terms and conditions of the tender.</li> <li>The validity of the Performance Security must cover the warranty period plus two months.</li> <li>In case of imported goods, the Indian agent must furnish Performance Bank Guarantee in Indian Rupees only from Scheduled Bank.</li> </ol>
11.	<b>The validity of bids:</b> The rate quoted should be valid for a minimum of 180 days. No claim for escalation of the rate will be considered after opening the Tender.
12.	<b>Warranty/Guarantee &amp; On-site skill support:</b> On-site comprehensive warranty will be effective from the date of successful installation and commissioning. The OEMs/Authorized Distributors and Dealers must attach a certificate of sales and service facilities, escalation support for on-call service or station engineer, etc.
13.	<b>Imports:</b> In case, equipment is to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.
14.	The Institute <b>reserves the right to cancel or reduce the quantity</b> included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
15.	<p>Cancellation of Tender: Notwithstanding anything specified in this tender document, IIIT Dharwad in its sole discretion, unconditionally and without having to assign any reasons, reserves the rights:</p> <ol style="list-style-type: none"> <li>To accept OR reject lowest tender or any other tender or all the tenders.</li> <li>To accept any tender in full or in part.</li> <li>To reject the tender offer not conforming to the terms of the tender.</li> <li>To give purchase preference to Public Sector undertakings when applicable as per Govt. Policy/ Guidelines.</li> </ol>

16.	Delivery Period: The Delivery Period/Time shall be deemed to be the essence of the Contract and delivery must be completed not later than such date(s). If the Supplier does not perform its obligations within the Delivery Period/Date mentioned in the Contract, the same would constitute the breach of the Contract and the Institute shall have the right to cancel or withdraw the Contract for the unsupplied portion after the expiry of the original or extended delivery date or period stipulated in the Contract. Such cancellation of the contract on account of non - performance by the Supplier would entitle the Buyer to forfeit the EMD / Performance Security besides other actions such as debarment from the Institute as per GFR 2017
17.	Liquidated Damages: Timely delivery is the essence of contract and hence if the Supplier fails to deliver Goods within the original/extended delivery period(s) specified in the contract, the Institute will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 1% per week or part of the week of delayed period as pre-estimated damages not exceeding 5% of the contract value without any controversy/dispute of any sort whatsoever.
18.	<b>Terms of Payment:</b> <ol style="list-style-type: none"> <li>Payment within 30 days from the date of delivery and Acceptance Certificate of concerned Department/Section/Purchase Section.</li> <li>Payment will be made by Standard Payment terms and conditions of IIIT Dharwad as per tender document only. Any request for a change in payment terms and conditions will not be accepted.</li> <li>If the above conditions are not acceptable then tender will be rejected.</li> </ol>
19.	Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bid as to the nature of the installation site, the means of access to the site and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. Submission of a bid by a bidder implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the installation to be done and local conditions and other factors having a bearing on the execution of the bid.
20.	If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the bidder.
21.	The rate quoted by the bidder shall be firm throughout the contract period and there shall be no revision of the rates for any reasons whatsoever. It should be clearly understood that any claim for changes will not be entertained in any case once the bids are opened.
22.	One bid per bidder: Each bidder shall submit only one bid either by himself or by representing a firm.
23.	Cost of bid: The bidder shall bear all costs associated with the preparation and submission of his bid. The Institute in no case shall be responsible or liable for those costs.
24.	The bidder shall not make or cause for any alteration, erasure or obliteration to the text of the tender document.
25.	The Institute will declare a bidder ineligible, either indefinitely or for a specified period of time, at the sole discretion of the Institute, for the award of contract/ participating in any other tender, if at any time the Institute determines that he has furnished false information/ engaged in corrupt or fraudulent practices.
26.	Determination of successful bidder: The technically qualified bidder whose offer is evaluated as the lowest total bid shall be the successful bidder subject to its meeting the statutory requirements.

27.	Price variation: The rate quoted by the bidder shall be firm throughout the contract period. No price variation clause is applicable to this contract.
28.	<b>CANVASSING:</b> <ol style="list-style-type: none"> <li>Canvassing in connection with tenders is strictly prohibited and the Tenders submitted by the Tenderers who resort to canvassing shall be liable to rejection.</li> <li>Subject to the provisions concerning clarification of Bids, no Bidder shall contact the purchase committee on any matter relating to its bid from the time of the bid opening up to the time that the contract is awarded.</li> <li>Any effort by the Bidder or Bidder's representative however described to influence the purchase committee in any way concerning scrutiny, consideration, evaluation of the Bid(s) or decision concerning award of contract shall entail rejection of Bid and action against the bidder as deemed fit.</li> <li>The purchase committee will deal with the Bidder on a Principal basis, without involvement in any manner in India or abroad of any agent or consultant or associate or another person howsoever described.</li> </ol>
29.	Legal Matter: All disputes are subject to Dharwad Jurisdiction only.
30.	The Institute <b>reserves the right to visit to the factory</b> before or after issue of supply order to satisfy itself regarding quality of production. In case of any remarks /default noted, the EMD will be forfeited even if pre-qualified.
31	The Institute <b>reserves the right to cancel or reduce the quantity</b> included in the schedule of requirements at any time after acceptance of the tender with a notice. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full, but he did not derive in consequence of the foreclosure of the whole or part of the works.
32	<b>Amendment of Tender document:</b> At any time prior to the last date for receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.
33	The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.
34	The bidder/supplier should have manufacturing unit/ service centre in Karnataka.
35	The Institute <b>reserves the right to accept or reject the item based on the specification and requirement.</b>

SECTION 2: CONDITIONS OF CONTRACT.	
1.	The rates should be quoted for preferably FOR destination from supply within India.
2.	In case of import both CIF and/ or FOB rate should be quoted. All components of expenditure to arrive at Hubli need to be explicitly specified.
3.	The bidder shall indicate the excise duty exemption for the goods if applicable.
4.	The rate quoted should be on unit basis. Taxes and other charges should be quoted separately, considering exemptions if any.
5.	Rate quoted should be inclusive of Testing, commissioning and Installation of equipment and Training.
6.	<p>Payment: No advance payment will be made. Payment will be made only after the supply of the item in good and satisfactory condition and receipt of performance security by supplier.</p> <p><b>In case of Imports, the payment will be made through LC / Sight Draft / After Installation, and performance security need to be submitted at the time of LC commitment / issue of sight draft.</b></p>
7.	Guarantee and Warrantee period should be specified for the complete period conforming to the section 3 of this tender document.
8.	Period requirement for the supply and installation of item should be specified conforming to the section 3 of this tender document.
9.	In case of dispute, the matter will be subject to Hubli-Dharwad Jurisdiction only.

<b>SECTION 3: SCHEDULE OF REQUIREMENTS, SPECIFICATIONS AND ALLIED DETAILS</b>	
[To be filled up by the Department / IIIT Dharwad]	
Item(s) Name to be Procured	Providing, Supplying, Installing, Testing, Deployment and Commissioning of GPU based Server at IIIT Dharwad
Type (Equipment/Software/Furniture/Others)	EQP
Brief Specifications of the Item(s) : (Attach Additional Sheet if necessary)	Enclosed
Quantity	One
Any other details/requirement	Enclosed in specification Sheet
Warranty Period (in months)	5 Years
Delivery Schedule expected after the release of a Purchase order (in Weeks)	60 Days
EMD	5% of the estimated amount
Performance Security to be given by Successful Bidder after release of : (in Rupees)	5% of Purchase Order



## SECTION 5: CONTRACT FORM

[ To be provided by the bidder in the business letter head]

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1. (Name of the Supplier's Firm) hereby abide to deliver the by the delivery schedule mentioned in the section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of IIIT-Dharwad during this period.

**Signature of the Bidder:** \_\_\_\_\_

**Name and Designation:** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place:**

**Date:**

**Seal of the Bidder's Firm**

### **DECLARATION**

(Shall be on the Company's Letter Head only)

I/we have not tampered/modified the tender forms in any manner. In case , if the same is found to be tampered/modified, I /we understand that my/our tender will be summarily rejected and full Earnest money deposit will be forfeited and I /we am/are liable to be banned from doing business with IIIT-Dharwad and / or prosecuted.

**Signature of the Bidder:** \_\_\_\_\_

**Name and Designation:** \_\_\_\_\_

**Business Address :** \_\_\_\_\_

\_\_\_\_\_

**Place :**

**Seal of the Bidder's Firm**

**Date :**

## EMD DECLARATION FORM

### **Proforma for Earnest Money Deposit (Bid Security) Declaration**

Whereas, I/We.....(name of Agency).....have submitted bids for the work of

I/We hereby submit following declaration in lieu of submitting Earnest Money Deposit.

(1) If after the opening of tender, I/We withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents,

**Or**

(2) If, after the award of work, I/we fail to sign the contract, or to submit performance guarantee before the deadline defined in the tender documents,

**I/we shall be suspended for one year and shall not be eligible to bid for tenders in the Department of Posts from date of issue of suspension order.**

(Signature of the Bidder, with Official Seal)

### **Additional Instructions to Bidders:**

MHRD, Govt of India had implemented e-tendering system solution through the ITI limited (a government of India enterprise) and mandated to adopt the e-wizard system and the accordingly the tender documents are published in <https://mhrd.euniwizarde.com>. The tender notification is also available in the IIIT Dharwad website ([www.iiitdwd.ac.in](http://www.iiitdwd.ac.in)) The bidders are required to submit soft copies of their bids electronically on using valid Digital Signature Certificates. Below mentioned instructions are meant to guide the bidders for registration on the Ewizard Portal, prepare their bids in accordance with the requirements and submitting their bids online on the Ewizard Portal. For more information, bidders may visit the Ewizard Portal <https://mhrd.euniwizarde.com>.

### **Instructions for Online Bid Submission:**

The bidders are required to submit soft copies of their bids electronically on the e-tender Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the e-Procurement Portal, prepare their bids in accordance with the requirements and submitting their bids online on the e-Procurement Portal. More information useful for submitting online bids on the e-tender Portal may be obtained at: <https://mhrd.euniwizarde.com>.

### **Registration:**

- a. Bidders are required to enroll on the e-Procurement Portal (URL: <https://mhrd.euniwizarde.com>) with clicking on the link “**Bidder enrollment**” on the e-Procurement Portal.
- b. As part of the enrolment process, the bidders will be required to choose a unique user name and assign a password for their accounts.
- c. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder.
- d. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
- e. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.
- f. Bidder then logs in to the site through the secured log-in by entering their user ID/password and the password of the DSC / e-Token.
- g. Any queries relating to the process of online bid submission or queries relating to e-Wizard Portal, in general, may be directed to the 24x7 e-Wizard Helpdesk. The contact number for the **helpdesk** is 011-49606060, 23710092, 23710091, [helpdeskeuniwizarde@gmail.com](mailto:helpdeskeuniwizarde@gmail.com) Mobile: +91-8448288987/88/89, e-Mail: [eprochelpdesk.01@gmail.com](mailto:eprochelpdesk.01@gmail.com) / [eprochelpdesk.02@gmail.com](mailto:eprochelpdesk.02@gmail.com)

### **Searching for Tender Documents:**

- a. There are various search options built in the e-Procurement Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Item/work id, Title, Date, etc
- b. Once the bidders have selected the tenders they are interested in, the bidder can pay the processing fees (NOT REFUNDABLE) by net-banking / Debit / Credit card and then download the required documents / tender schedules, Bid documents etc. Once tender fee is paid, it will be moved to the respective "requested" Tab. This would enable the e-tender Portal to intimate the bidders through e-mail in case there is any corrigendum issued to the tender document.

#### **Preparation of Bids:**

- a. Bidder should take into account any corrigendum published on the tender document before submitting their bids and no separate intimation will be provided to the vendors.
- b. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- c. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule in PDF formats. Bid Original documents may be scanned with 100 dpi with Colored option which helps in reducing size of the scanned document.
- d. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.
- e. These documents may be directly submitted from the "My Documents" area while submitting a bid and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

#### **Submission of Bids:**

- a. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- b. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- c. Bidder has to select the payment option as "DD/e-Payment (Net Banking-Debit card-Credit card etc)/EMD-exemption" to pay the EMD as applicable and enter details as the instructions.
- d. Bidder should prepare the EMD as per the instructions specified in the tender document & submit EMD online.
- e. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the unprotected

cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

- f. The server time (which is displayed on the bidders" dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
- g. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- h. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- i. Upon the successful and timely submission of bid click "Complete"(i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
- j. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings

**Technical Specifications for Server and NVIDIA Tesla A100 with 40GB RAM GPU****Quantity: 1 (one)**

Technical Specifications for Server			
SL No	Component	Description	Complied
	Make & Model	Any, The OEM for the proposed server must be in Bureau of Indian Standards list of registered OEMs/Brands.	
	ISO Certification	Manufacturing facility/brand should be ISO 9001:2015, ISO 14001:2015 & ISO/IEC 27001 certified.	
	Chipset	Intel C621 series of chipset or better	
	Form Factor	Max. 2U rack mounted with sliding rails	
	Processor	2 n o's Intel Xeon Silver 4215 2.5G, 8C/16T, 9.6GT/s, 11M Cache, Turbo, HT (85W) DDR4-2400	
	Memory	64GB (2 no's x 32GB) RDIMM, 3200MT/s, Dual Rank – Total of 64GB RAM 24 DDR4 DIMM slots RDIMMS& LR DIMMS supporting speeds up to 2933MT/s and 3TB Max. Optionally support up to 12 NVDIMM, 192GB MaxM Up to 12 Intel® Optane™ DC persistent memory PMem, 6.14TB max (7.68TB max with PMem + LRDIMM)	
	Boot Optimized Storage	Boot Optimized Storage Subsystem (BOSS):vHWRaid 2 x M.2 SSDs 240GB	
	GPU Support	Upto 3 Double Width or 6 Single Width GPU cards (Should be ready for adding up to 3 Double Width or 6 Single Width GPU cards from day one without requiring any additional cards,)	
	Raiser Card	Raiser card should be supplied along with server from day one to add 3 GPU'S.	
	RAID Controller	RAID Controller, 2GB NV Cache, Adapter, PCIe 3.0 with RAID 1, 5, 6,10, 50. RAID Controller should support 6Gbps SATA and 12Gbps SAS 15K drives	
	Disks supported	2.5" Chassis with up to 8 Hot Plug Hard Drives + Minimum 6 no's of cooling Fans	
	Disks configured	SSD: 2 no's x 480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, Enterprise Server Grade SSD should be used.	
	DVD writer	DVD RW (Internal or External) provision should be there	
	I/O slots and Ports	Up to 8x PCIe Gen3 Slots	

	Ethernet ports	1 no x Dual Port 10GbE and Dual Port 1GbE	
	Operating System	Open Source Linux Latest Version	
	Certified for	Windows Server, Red Hat Enterprise Linux Certified or SUSE Linux Enterprise Server	
	Power & temperature	Real-time power and Temperature monitoring with graphics, thresholds alerts & old log supports.	
	Pre-failure alert	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD	
	OS Certification and compliances	1. Canonical Ubuntu Server LTS 2. Citrix Hypervisor 3. Microsoft Windows Server LTSC with Hyper-V 4. Oracle Linux 5. Red Hat Enterprise Linux 6. SUSE Linux Enterprise Server 7. VMware ESXi	
	Power Supply	Dual, Hot-plug, Redundant Power Supply (1+1), 2000W or higher	
	SD Modules slots	Dual SD Module slots supporting redundant configuration	
	Management integration	Support for integration with Microsoft System Center, VMware vCenter, BMC Software	
	Power & temperature	Real-time power meter, graphing, thresholds, alerts & capping with historical power counters. Temperature monitoring & graphing	
	LCD panel	Should display system ID, status information and system error code followed by descriptive text. LCD background should light up in different colours during normal system operation & error conditions.	
	Configuration & management	<ul style="list-style-type: none"> <li>• Real-time out-of-band hardware performance monitoring &amp; alerting</li> <li>• Agent-free monitoring, driver updates &amp; configuration, power monitoring &amp; capping, RAID management, external storage management, monitoring of FC, HBA &amp; CNA &amp; system health</li> <li>• Out-of-band hardware &amp; firmware inventory</li> <li>• Zero-touch auto configuration to auto deploy a baseline server configuration profile</li> </ul>	
	LED panel	Should display status information and should light up in different colours during normal system operation & error conditions.	
	Monitor	21.5" LED IPS Panel Monitor TCO-08 or higher certified (Same make as server) Resolution:1920x1080@60Hz 23.8" Viewable image size (diagonal) FHD IPS Backlight LED, Resolution: 1920 x 1080 at 60Hz or better,	



		Should have 1no x Display Port 1.2, 1 no x HDMI 1.4, 1 no x VGA, Minimum 5 no's of built in USB ports (with 1 x USB 3.0 upstream port, 2 x USB 3.0 downstream ports, 2 x USB 2.0 downstream ports) ,	
		Wired USB Optical Mouse + Wired USB Keyboard (Same make as server)	
	Installation	Installation, Configuration, Testing, Training and Implementation cost for all above mentioned solution. (Both Hardware and Software) should be included. Software should contain suitable latest Linux OS, AI and DL related software and tools.	
	Tools and Configuration	The configuration includes NVIDIA CUDA tuned Neural Network (cuDNN) Primitives Tensor RT Inference Engine, Deep Stream SDK Video Analytics CUDA tuned BLAS CUDA tuned Sparse Matrix Operations (cuSPARSE) Multi-GPU Communications (NCCL), Kubernetes TensorFlow, Caffe, PyTorch, Theano, Keras, caffe2, CNTK software containers.	
	Warranty	5 years On-site comprehensive part, labour onsite next business day warranty with 24x7x365 remote hardware support. In case of HARDWARE breakdown service calls must be attended by OEM engineer directly. Post installation, 5-year product warranty for all components supplied for entire server including monitor, KBD & Mouse should be reflected in the support web site of the OEM.	
	Server Benchmark	Server Benchmark report must be submitted with the bid. 1.Specrate2017_fp_base 2.Specrate2017_int_base 3.Specspeed2017_int_base 4.Specspeed2017_int_base SPEC benchmark report along with log reports with above mentioned benchmark scores for the server model quoted with same CPU configuration as asked must be submitted with the bid. Same scores must be published in SPEC.ORG as well in the name of OEM.	
	GPU	1 no x NVIDIA Tesla A100 with 40GB RAM PCIe Passive GPU, Double Wide, Full Height Warranty: 3year warranty by NVIDIA 1. The vendor/firm quoting should be a NVIDIA NPN registered vendor. 2. Should enclose MAF from NVIDIA to quote specifically against this opportunity.	

