**INVITATION FOR EXPRESSION OF INTEREST**

**No. CET/TEQIP-III/EOI/ 1535 , Dated 20/02/2020**

College of Engineering & Technology (CET) invites Expression of Interest (EoI) in sealed envelope from OEMs/Authorized Dealers for supplying different Equipment/Goods under TEQIP-III. The EoI Document containing the details of Technical Specifications and submission format for each individual equipment/Goods can be downloaded from the website [www.cet.edu.in](http://www.cet.edu.in) in the link <http://cet.edu.in/eoi.php> . Applicants meeting the criteria may be invited for submission of Quotation in the prescribed format of TEQIP-III for further processing of the proposal. The authority reserves the right to cancel this invitation for EoI and/or invite a fresh EoI with or without amendments and without assigning any reason thereof. Information provided at this stage is indicative and CET reserves the right to amend/add further details in the EoI.

**Sd/-**

**PRINCIPAL**

**Format for Submission of Expression of Interest (EOI)**

# Brief about Expression of Interest

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| --- | --- |
| Name of the Equipment/ Item | **High End Rack Mount Server** |
| Location of the Supply | College of Engineering & Technology (CET)  Techno-Campus, Ghatikia, Bhubaneswar-751029 |
| Name of Authority | Principal |
| Eligible firms | The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier. |
| Date of Submission of EOI | **Last date is 06.03.2020** |
| Contact person | PIC Internet |
| Phone Number of Contact person | 9437319132 |
| Email | smohapatra@cet.edu.in |
| Address for submission of EoI | The Principal  College of Engineering & Technology (CET)  Techno-campus, Ghatikia, P.O. Mahalaxmi Vihar Bhubaneswar-751029 |
| Selection Process | Stage1: Expression of Interest (EOI);  Stage 2: Quotation proposal submission in TEQIP-III format |
| * **The EoI will be submitted by Speed Post/Registered Post/ Courier only** * The sealed envelope containing the EoI should be super scribed with “**Expression of Interest (EoI) for supply of ………………..in CET, Bhubaneswar.”** | |

**Technical Specification: successfully**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Parameter** | **Technical Specification** |
| **1** | **Processor** | 2 Nos Intel/AMD latest series Processors, minimum 16 cores @2.8 GHz or higher. Number of cores on a single die/socket will be treated as a single processor. Offered server should support processors up to 200W |
| **3** | **Memory** | 384GB latest DDR memory @Min 2933MHz upgradable to 2TB. ECC, Fast Fault Tolerance or equivalent. Should be capable of identifying and reporting whether genuine OEM memory is installed for system reliability |
| **4** | **RAID** | PCIe 3.0 based 12Gb/s SAS Raid Controller with RAID 0/1/1+0/5/50/6/60/1 Advanced Data Mirroring/10 Advanced Data Mirroring with 4GB battery backed write cache (onboard or on a PCI Express slot). Storage controller should support Secure encryption/data at rest Encryption |
| **5** | **HDD** | Minimum 2 nos 1.92TB MU Hot swap SSD. |
| **6** | **Video Controller** | Integrated Graphics Controller or SOC. |
| **7** | **Network Controller** | Minimum 4 x 1 Gbps ports & Dual 10/25 Gbps SFP28 (10G-SR populated) ports |
| **8** | **Fiber Channel HBA** | Dual-ported FC HBA 16 Gbps with two nos of 5mtr LC-LC Cable |
| **9** | **Slots** | Minimum three free PCI-e 4.0 slots. NVMe option should be supported |
| **10** | **Ports** | 5 \* USB 3.0; 1\* Keyboard Port & 1\*Mouse Port (on board/dongle), One dedicated Ethernet Port for OS independent out-of-band hardware management. |
| **11** | **Bays** | Minimum 8 Hot Swap drive bays. The drive carrier should have intutive icon based display along with "DO NOT REMOVE" caution indicator that gets activated automatically in order to aviod dataloss/downtime due to wrong drive removal. |
| **12** | **Optical Drive** | DVD ROM Inernal/External |
| **13** | **System Chassis** | Rack Mount, 2U, Redundant Hot Swappable Power Supply (min 800W) with platinum efficiency |
| **14** | **OS Certification** | Certification for latest Server version of Windows and minimum two Linux flavours |
| **15** | **Drive / Software Utilities** | All required device drivers for OS installation, System Configuration and Server Management |
| **16** | **System Management** | Monitoring ongoing management, service alerting, reporting and remote management with embedded dedicated Gigabit out of band management port. Remote Management of Server over LAN & WAN with SSL encryption, Virtual Media and virtual folder with required advanced license, Remote KVM, Server Health logging, Directory Services compliance (AD or LDAP), Multi-factor authentication, REST/XML API, group management of power, configuration, licenses including firmware, Configuration backup, Syslog (local & remote) |
| Management software should support integration with popular virtualization platform management software like VCenter, SCVMM and Red Hat RHEV. |
| Server shall have minimum 4GB system-management memory |
| Offered Server platform must be ready for container workload deployment and should support RESTful API. |
| **17** | **Serviceability** | System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone support. he server should support monitoring and recording changes in the server hardware and system configuration. It assists in diagnosing problems and delivering rapid resolution when system failures occur. Should provide remote firmware update functionality. |
| Should help provide proactive notification of actual or impending component failure alerts on critical components like CPU, Memory and HDD. Solution shall help simplify the infrastructure management plan by predicting capacity, performance and bandwidth needs. |
| Solution should be provided for monitoring & analytics feature to predict, prevent, and auto-resolve problems and by providing automating case creation and log file submission for the problems that can’t be auto-resolved. A portal solution be included in the offered server to provide tracking and management for these features. |
| **18** | **Virtualization** | Should support Industry Standard Virtualization Software |
| **19** | **Compliance** | ASHRAE A3 and A4; Energy Star 2.1 certified, 80 PLUS |
| **20** | **Security Compliance** | Immutable silicon root of trust, Secure Boot, Secure Start, Support for Commercial National Security Algorithms (CNSA) |
| **21** | **Warranty** | Three years with NBD hardware replacement |
| **22** | **OS & Virtualization Licenses** | Microsoft Windows Server Data Centre Edition Educational License to be offered for the quoted server. (License should cater to the offered total processor cores on the server) |

**APPLICANT’S EXPRESSION OF INTEREST**

To,

The Principal,

College of Engineering and Technology

Techno-Campus, Ghatikia

Bhubaneswar-751029

Odisha

Sub: **Submission of Expression of Interest for supply of ………….. with the given Technical specification under TEQIP-III**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on \_\_\_\_\_\_\_\_ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

**Technical specifications**

**Organizational Details** :

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No.
4. Telephone No.
5. Fax Number
6. Mail Id:
7. Name of representative:
8. Representative Mobile Number :
9. Representative E mail Id:

**Experience in related fields:** Attach the purchase order if supplied any other Institute.

**Additional information (if any):**

**Declaration**: We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to CET, Bhubaneswar under TEQIP III and we certify that our organization has not been black listed during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp........................

Date:

**Note: This is to be furnished on the letter head of the organization and signed in every page.**