

## Bid Document

| <b>Bid Details</b>   |   |
|--|---|
| <b>Bid End Date/Time</b>   | 19-10-2022 18:00:00   |
| <b>Bid Opening Date/Time</b>   | 19-10-2022 18:30:00   |
| <b>Bid Offer Validity (From End Date)</b>                                    | 120 (Days)  |
| <b>Ministry/State Name</b>   | Ministry Of Education   |
| <b>Department Name</b>   | Department Of Higher Education  |
| <b>Organisation Name</b>   | Indian Institute Of Technology Tirupati   |
| <b>Office Name</b>   | Hod   |
| <b>Total Quantity</b>  | 16  |
| <b>Item Category</b>   | Workstation (Q2) , Server (Q2)  |
| <b>Minimum Average Annual Turnover of the bidder (For 3 Years)</b>           | 11 Lakh (s)   |
| <b>OEM Average Turnover (Last 3 Years)</b>                                   | 11 Lakh (s)   |
| <b>Years of Past Experience Required for same/similar service</b>            | 3 Year (s)  |
| <b>MSE Exemption for Years of Experience and Turnover</b>                    | No  |
| <b>Startup Exemption for Years of Experience and Turnover</b>                | No  |
| <b>Document required from seller</b>   | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC)<br>*In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer |
| <b>Past Performance</b>  | 50 %  |
| <b>Bid to RA enabled</b>   | No  |
| <b>Primary product category</b>  | Workstation   |
| <b>Time allowed for Technical Clarifications during technical evaluation</b> | 7 Days  |
| <b>Evaluation Method</b>   | Item wise evaluation  |

### EMD Detail

|          |    |
|----------|----|
| Required | No |
|----------|----|

**ePBG Detail**

|                                     |                     |
|-------------------------------------|---------------------|
| Advisory Bank                       | State Bank of India |
| ePBG Percentage(%)                  | 3.00                |
| Duration of ePBG required (Months). | 41                  |

(a). The EMD % will be applicable for each schedule/group selected during Bid creation.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

Registrar

Department of Higher Education, Indian Institute of Technology Tirupati, Ministry of Education Indian Institute of Technology Tirupati Yerpedu – Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh. Pincode - 517619.

(A.v.v Prasad)

**Splitting**

Bid splitting not applied.

**MII Purchase Preference**

|                         |     |
|-------------------------|-----|
| MII Purchase Preference | Yes |
|-------------------------|-----|

**MSE Purchase Preference**

|                         |     |
|-------------------------|-----|
| MSE Purchase Preference | Yes |
|-------------------------|-----|

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

4. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum

local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

#### **Evaluation Method ( Item Wise Evaluation Method )**

Contract will be awarded schedulewise and the determination of L1 will be done separately for each schedule. The details of item-consignee combination covered under each schedule are as under:

| <b>Evaluation Schedules</b> | <b>Item/Category</b> | <b>Quantity</b> |
|-----------------------------|----------------------|-----------------|
| Schedule 1                  | Workstation          | 12              |
| Schedule 2                  | Server               | 4               |

#### **Workstation ( 12 pieces )**

**(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)**

|            |                  |
|------------|------------------|
| Brand Type | Registered Brand |
|------------|------------------|

#### **Technical Specifications**

[\\* As per GeM Category Specification](#)

| <b>Specification</b> | <b>Specification Name</b> | <b>Bid Requirement (Allowed Values)</b> |
|----------------------|---------------------------|---|
| Processor            | <b>Processor Make</b>     | Intel                                   |

| Specification     | Specification Name                                     | Bid Requirement (Allowed Values)  |
|-------------------|--|---|
|                   | <b>Processor Generation</b>                            | NA, 10, 11, 12 Or higher  |
|                   | <b>Number of Cores per Processor</b>                   | 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 64 Or higher   |
|                   | <b>Processor Base Frequency (GHz)</b>                  | 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4, 4.1, 4.2, 4.3, 5.2 Or higher  |
|                   | <b>Processor Description</b>                           | Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher  |
|                   | <b>Processor Number</b>                                | Intel Xeon Silver 4114, Intel Xeon Silver 4116, Intel Xeon Gold 5118, Intel Xeon Gold 5120, Intel Xeon Gold 6126, Intel Xeon Gold 6128, Intel Xeon Gold 6132, Intel Xeon Gold 6134, Intel Xeon Gold 6136, Intel Xeon Gold 6138, Intel Xeon Gold 6140, Intel Xeon Gold 6142, Intel Xeon Gold 6144, Intel Xeon Gold 6146, Intel Xeon Gold 6148, Intel Xeon Gold 6150, Intel Xeon Gold 6152, Intel Xeon Gold 6154, Intel Xeon Platinum 8160, Intel Xeon Platinum 8164, Intel Xeon Platinum 8168, Intel Xeon Platinum 8170, Intel Xeon Platinum 8176, Intel Xeon Platinum 8180, Intel Xeon Silver 4208, Intel Xeon Silver 4210, Intel Xeon Silver 4214, Intel Xeon Silver 4215, Intel Xeon Silver 4216, Intel Xeon Gold 5215, Intel Xeon Gold 5215L, Intel Xeon Gold 5215M, Intel Xeon Gold 5217, Intel Xeon Gold 5218, Intel Xeon Gold 5220, Intel Xeon Gold 6230, Intel Xeon Gold 6240, Intel Xeon Gold 6242, Intel Xeon Gold 6244, Intel Xeon Gold 6248, Intel Xeon Gold 6252, Intel Xeon Gold 6254, Intel Xeon Platinum 8253, Intel Xeon Platinum 8260, Intel Xeon Platinum 8260L, Intel Xeon Platinum 8260M, Intel Xeon Platinum 8268, Intel Xeon Platinum 8270, Intel Xeon Platinum 8276, Intel Xeon Platinum 8276L, Intel Xeon Platinum 8276M, Intel Xeon Platinum 8280, Intel Xeon Platinum 8280L, Intel Xeon Platinum 8280M, Intel Xeon Gold 6234, Intel Xeon Gold 6226, Intel Xeon Gold 6238, Intel Xeon Gold 6240M, Intel Xeon Gold 6246, Intel Xeon Platinum 8260Y, Intel Xeon Silver 4214Y, Intel Xeon Platinum 8158, Intel Xeon Silver 4215R, Intel Xeon Silver 4210R, Intel Xeon Silver 4214R, Intel Xeon Gold 6250, Intel Xeon Gold 6256, Intel Xeon Gold 5218R, Intel Xeon Gold 6226R, Intel Xeon Gold 6246R, Intel Xeon Gold 6242R, Intel Xeon Gold 5220R, Intel Xeon Gold 6230R, Intel Xeon 6240R, Intel Xeon Gold 6238R, Intel Xeon Gold 6248R, Intel Xeon Gold 6258R, Intel Xeon Platinum 9221, Intel Xeon Platinum 9222, Intel Xeon Platinum 9242, Intel Xeon Platinum 9282, Intel Xeon Gold 5117, Intel Xeon Gold 6130F, Intel Xeon Gold 6142F, Intel Xeon Gold 6238T, Intel Xeon Gold 6240Y Or higher |
|                   | <b>Number of Sockets populated with the Processors</b> | 1, 2 Or higher  |
| <b>Cache (MB)</b> | 11.0 - 64.0 Or higher                                  |   |
| Type              | <b>Form Factor</b>                                     | Desktop   |
| Motherboard       | <b>Chipset Number</b>                                  | Intel C621, Intel C622, Intel C624, Intel X99, Intel X299, Intel W680 Or higher   |

| Specification               | Specification Name  | Bid Requirement (Allowed Values)  |
|-----------------------------|---|---|
|                             | Expansion Slots (PCIe x 16) (Number)                      | 3, 4 Or higher  |
| Graphics                    | <b>Graphics Type</b>                                      | Dedicated/Discrete  |
|                             | <b>Number of Graphic Cards</b>                            | 1, 2, 3, 4 Or higher  |
|                             | <b>Graphic Card Description</b>                           | nVIDIA NVS 310 1GB, nVIDIA NVS 315 1GB, nVIDIA NVS 510 2GB, nVIDIA NVS 810 4GB, nVIDIA Quadro P400 2GB, nVIDIA Quadro P620 2GB, nVIDIA Quadro P1000 4GB, nVIDIA Quadro P2000 5GB, nVIDIA Quadro P3000 6GB, nVIDIA Quadro RTX 3000 6GB, nVIDIA Quadro P4000 8GB, nVIDIA Quadro RTX 4000 8GB, nVIDIA Quadro P5000 16GB, nVIDIA Quadro RTX 5000 16GB, nVIDIA Quadro P6000 24GB, nVIDIA Quadro GP100 16GB, nVIDIA Quadro RTX 6000 24GB, nVIDIA Quadro RTX 8000 48GB, nVIDIA Quadro GV100 32GB, nVIDIA Tesla V100 SXM2 32GB, nVIDIA Quadro P620 4GB, nVIDIA Quadro T1000 w/4GB, nVIDIA Quadro T2000 w/4GB, NVIDIA® Quadro P600 4GB GDDR5, NVIDIA Quadro P2200 5GB GDDR5, NVIDIA Quadro P520 4 GB GDDR5, NVIDIA RTX A4000 16GB 4DP GFX, NVIDIA T400 2GB, NVIDIA T500 4GB, NVIDIA T600 4GB, NVIDIA T550 4GB, NVIDIA RTX A500 4GB(3), NVIDIA T1000 8GB, NVIDIA RTX A2000 12GB, NVIDIA RTX A4000 16GB, NVIDIA RTX A4500 20GB, NVIDIA RTX A5000 24GB, NVIDIA RTX A5500 24GB, NVIDIA RTX A6000 48GB, AMD Radeon Pro WX2100, AMD Radeon Pro WX3100, AMD Radeon Pro WX3200, AMD Radeon Pro WX4100, AMD Radeon Pro WX4170, AMD Radeon Pro WX5100, AMD Radeon Pro WX7100, AMD Radeon Pro WX7130, AMD Radeon Pro WX9100, AMD Radeon Pro WX4150, GFX AMD Radeon Pro W5500 8GB FH 4DP, NA Or higher |
| Operating System            | <b>Operating System (Factory Pre-Loaded)</b>              | Windows 10 Professional 64 bit, Ubuntu Linux, Redhat Linux, DOS, Windows 11 Professional  |
| Memory                      | Type of Memory  | ECC   |
|                             | <b>RAM Size (GB)</b>                                      | 16, 32, 64, 128, 256, 512, 1024, 2048, 3072, 4096, 48, 96, 192, 384, 768, 1536 Or higher  |
|                             | <b>RAM Expandability upto using spare DIMM Slots (GB)</b> | 16, 32, 64, 128, 256, 512, 1024, 3072, 4096, 384, 1536, 2048, 768 Or higher   |
| Primary Storage /Boot Drive | <b>Type of Drives used to populate the internal Bays</b>  | PCIe  |
|                             | <b>RAID for Operating System</b>                          | NA  |
|                             | <b>Capacity of each Drive (GB)</b>                        | 128, 256, 300, 384, 500, 512, 600, 768, 800, 900, 1000, 1024, 1200, 1800, 2000, 2048, 4000, 4096, 8000, 6000, 0 Or higher   |
| Secondary Storage           | <b>Type of Drives used to populate the Internal Bays</b>  | SATA, SAS, SSD, PCIe, NA  |
|                             | <b>Number of Internal Bays populated with SATA Drive</b>  | 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher  |
|                             | <b>Each SATA Drive Capacity (GB)</b>                      | 500, 1000, 2000, 4000, 8000, 0, 6000 Or higher  |

| Specification                                | Specification Name                                       | Bid Requirement (Allowed Values)   |
|--|--|--|
|  | Speed of each SATA Drive (RPM)                           | 7200 Or higher   |
|  | <b>Total SATA Drive Capacity (GB)</b>                    | 500, 1000, 2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000, 0 Or higher   |
|  | <b>Number of Internal Bays populated with SAS Drive</b>  | 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher   |
|  | <b>Capacity of each SAS Drive (GB)</b>                   | 300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher  |
|  | <b>Total SAS Drive Capacity (GB)</b>                     | 300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher   |
|  | <b>Number of Internal Bays populated with SSD Drive</b>  | 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher   |
|  | <b>Capacity of each SSD Drive (GB)</b>                   | 128, 256, 512, 1024, 2048, 800, 0 Or higher  |
|  | <b>Total SSD Capacity (GB)</b>                           | 128, 256, 384, 512, 768, 1024, 2048, 4096, 0, 5120, 3072 Or higher   |
|  | <b>Number of Internal Bays populated with PCIe Drive</b> | 0, 1, 2, 3, 4, 5, 6, 7, 8 Or higher  |
|  | <b>Capacity of each PCIe Drive (GB)</b>                  | 128, 256, 512, 1024, 2048, 0 Or higher   |
|  | <b>Total PCIe Drive Capacity (GB)</b>                    | 128, 256, 512, 1024, 2048, 4096, 0, 1536, 6144 Or higher   |
|  | RAID   | <b>Number of RAID Controller Ports</b>   |
| <b>Speed of RAID Controller Ports (Gbps)</b> |  | 6, 12, 0 Or higher   |
| Connectivity                                 | Type of Ethernet Ports                                   | Dual Gigabit NIC 10/100/1000   |
|  | <b>Number of Ethernet Ports</b>                          | 2, 3, 4, 6 Or higher   |
|  | <b>Wireless Connectivity</b>                             | Yes, No Or higher  |
|  | <b>If Yes, Type of Wireless Connectivity</b>             | Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA, Wi-Fi 6E AX211 BT 5.2, Wi-Fi 6 AX200 & BT 5.2, Wi-Fi 6 AX201 (2x2) and BT 5.2 Or higher   |
|  | <b>Bluetooth Connectivity</b>                            | Yes, No Or higher  |
|  | <b>If Yes, Version of Bluetooth Available</b>            | 4, 4.1, 4.2, 5, 0 Or higher  |
| Display                                      | <b>Display Availability</b>                              | Monitor  |
|  | <b>Display Size (cm)</b>                                 | 35 - 39, 40 - 44, 45 - 49, 49.5 - 53.5, 54 - 56, 58- 61, 63 - 67, 68- 71, 72- 81, 82 - 87, 88 - 93, 94 - 97, 98 - 105, 107 - 110, 111 - 115, 116 - 120, 121 - 125, 126 - 130, NA Or higher |
|  | <b>Display Type</b>                                      | Non Touch, Touch Or higher   |
|  | <b>Panel Type</b>  | Flat, Curved, NA Or higher   |

| Specification | Specification Name                 | Bid Requirement (Allowed Values)  |
|---------------|------------------------------------|---|
|               | <b>Panel Technology</b>            | IPS, OLED Or higher   |
|               | <b>Display Resolution (Pixels)</b> | 1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 2560 x 1080, 2560 x 1440, 2560 x 1600, 3440 x 1440, 3840 x 1600, 5120 x 1440, 7680 x 4320 Or higher |
|               | Monitor Stand                      | Height Adjustable, Standard Or higher   |
| Power         | <b>Redundant Power Supply</b>      | Yes, No Or higher   |
| Input Devices | Mouse Connectivity, If available   | Wired, Wireless Or higher   |
| Warranty      | <b>On Site OEM Warranty (Year)</b> | 3, 4, 5 Or higher   |

#### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address   | Quantity | Delivery Days |
|-------|-----------------------------|---|----------|---------------|
| 1     | N GNANA SEK HAR             | 517619,INDIAN INSTITUTE OF TECHNOLOGY, TIRUPATI-YERPEDU CAMPUS, YERPEDU-VENKATAGIRI HIGHWAY, YERPEDU POST, YERPEDU MANDAL | 12       | 45            |

#### Server ( 4 pieces )

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively)

|            |                  |
|------------|------------------|
| Brand Type | Registered Brand |
|------------|------------------|

#### Technical Specifications

\* [As per GeM Category Specification](#)

| Specification | Specification Name                    | Bid Requirement (Allowed Values)   |
|---------------|---------------------------------------|--|
| Processor     | Processor Architecture                | CISC(X86), RISC, EPIC Or higher  |
|               | <b>Processor Make</b>                 | Intel  |
|               | <b>Number of Cores per Processor</b>  | 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 64, 11, 48 Or higher                  |
|               | <b>Processor Base Frequency (GHz)</b> | 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9, 3, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4 Or higher |
|               | Processor Turbo Frequency (GHz)       | 3.2 - 5.0 Or higher  |

| Specification | Specification Name                 | Bid Requirement (Allowed Values)   |
|---------------|------------------------------------|--|
|               | <b>Total Cache (L1+L2+L3) (MB)</b> | 11.0 - 256.0 Or higher   |
|               | Processor Description/ Number      | <p>Intel Xeon Silver 4112, Intel Xeon Gold 5122, Intel Xeon Gold 6126, Intel Xeon Gold 6126F, Intel Xeon Gold 6126T, Intel Xeon Gold 6128, Intel Xeon Gold 6132, Intel Xeon Gold 6134, Intel Xeon Gold 6138, Intel Xeon Gold 6138F, Intel Xeon Gold 6138P, Intel Xeon Gold 6138T, Intel Xeon Gold 6140, Intel Xeon Gold 6142, Intel Xeon Gold 6142F, Intel Xeon Gold 6144, Intel Xeon Gold 6146, Intel Xeon Gold 6148, Intel Xeon Gold 6148F, Intel Xeon Gold 6150, Intel Xeon Gold 6154, Intel Xeon Platinum 8156, Intel Xeon Platinum 8158, Intel Xeon Platinum 8168, Intel Xeon Silver 4208, Intel Xeon Silver 4209T, Intel Xeon Silver 4210, Intel Xeon Silver 4214, Intel Xeon Silver 4214Y, Intel Xeon Silver 4215, Intel Xeon Silver 4216, Intel Xeon Gold 5215, Intel Xeon Gold 5215L, Intel Xeon Gold 5215M, Intel Xeon Gold 5217, Intel Xeon Gold 5218, Intel Xeon Gold 5218B, Intel Xeon Gold 5218N, Intel Xeon Gold 5218T, Intel Xeon Gold 5220, Intel Xeon Gold 5220S, Intel Xeon Gold 5220T, Intel Xeon Gold 5222, Intel Xeon Gold 6230, Intel Xeon Gold 6230N, Intel Xeon Gold 6230T, Intel Xeon Gold 6234, Intel Xeon Gold 6238, Intel Xeon Gold 6238L, Intel Xeon Gold 6240, Intel Xeon Gold 6240L, Intel Xeon Gold 6240M, Intel Xeon Gold 6240Y, Intel Xeon Gold 6242, Intel Xeon Gold 6244, Intel Xeon Gold 6246, Intel Xeon Gold 6248, Intel Xeon Gold 6252, Intel Xeon Gold 6252N, Intel Xeon Gold 6254, Intel Xeon Platinum 8256, Intel Xeon Platinum 8260, Intel Xeon Platinum 8260L, Intel Xeon Platinum 8260Y, Intel Xeon Platinum 8268, Intel Xeon Platinum 8270, Intel Xeon Platinum 8268M, Intel Xeon Platinum 8280, Intel Xeon Platinum 8280L, Intel Xeon Platinum 8280M, Intel Xeon Platinum 9242, Intel Xeon Platinum 9282, Intel Xeon Gold 6143, Intel Pentium G5420, Intel Core i3-9100, Intel Xeon E-2224, Intel Xeon E-2234, Intel Xeon E-2226G, Intel Xeon E-2244G, Intel Xeon E-2236, Intel Xeon E-2274G, Intel Xeon E-2276G, Intel Xeon E-2278G, Intel Xeon E-2286G, Intel Xeon Silver 4210T, Intel Xeon Silver 4215R, Intel Xeon Silver 4210R, Intel Xeon Silver 4214R, Intel Xeon Gold 6250, Intel Xeon Gold 6256, Intel Xeon Gold 5218R, Intel Xeon Gold 6226R, Intel Xeon Gold 6246R, Intel Xeon Gold 5220R, Intel Xeon Gold 6242R, Intel Xeon Gold 6230R, Intel Xeon Gold 6240R, Intel Xeon Gold 6238R, Intel Xeon Gold 6248R, Intel Xeon Gold 6258R, Intel Xeon Platinum 9221, Intel Xeon Platinum 9222, Intel Xeon Platinum 8380HL, Intel Xeon Platinum 8380H, Intel Xeon Platinum 8376HL, Intel Xeon Platinum 8376H, Intel Xeon Platinum 8360HL, Intel Xeon Platinum 8360H, Intel Xeon Platinum 8354H, Intel Xeon Gold 6348H, Intel Xeon Gold 6330H, Intel Xeon Gold 5320H, Intel Xeon Gold 6328HL, Intel Xeon Gold 6328H, Intel Xeon Platinum 8353H, Intel Xeon Gold 5318H, Intel Xeon Platinum 8356H, Intel Xeon Platinum 8368Q, Intel Xeon Platinum 8380, Intel Xeon Platinum 8368, Intel Xeon Platinum 8360Y, Intel Xeon</p> |



| Specification      | Specification Name   | Bid Requirement (Allowed Values)  |
|--------------------|--|---|
|                    |  | Platinum 8358, Intel Xeon Platinum 8358P, Intel Xeon Platinum 8352Y, Intel Xeon Platinum 8352V, Intel Xeon Platinum 8352S, Intel Xeon Gold 6348, Intel Xeon Gold 6338, Intel Xeon Gold 6338N, Intel Xeon Gold 6342, Intel Xeon Gold 6330, Intel Xeon Gold 5320, Intel Xeon Gold 6330N, Intel Xeon Gold 6354, Intel Xeon Gold 6346, Intel Xeon Gold 6334, Intel Xeon Platinum 8351N, Intel Xeon Gold 6314U, Intel Xeon Silver 4310, Intel Xeon Gold 6210U, Intel Xeon E-2314, Intel Xeon E-2324G, Intel Xeon E-2334, Intel Xeon E-2374G, Intel Xeon E-2336, Intel Xeon E-2356G, Intel Xeon E-2386G, Intel Xeon Gold 6209U, Intel Xeon Gold 6210U, Intel Xeon Gold 6212U, Intel Xeon Silver 4309Y, Intel Xeon Gold 5315Y, Intel Xeon Silver 4310T, Intel Xeon Gold 5317, Intel Xeon Silver 4314, Intel Xeon Gold 6326, Intel Xeon Silver 4316, Intel Xeon Gold 5320T, Intel Xeon Gold 5318N, Intel Xeon Gold 5318Y, Intel Xeon Platinum 8352M, Intel Xeon Platinum 8362 Or higher |
| Chassis            | Form Factor  | Rack, Tower Or higher   |
|                    | Size (RU)  | 2, 5  |
| Motherboard        | <b>Maximum number of Sockets available on Server</b>                           | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher   |
|                    | <b>Maximum number of Sockets populated with Processors available on Server</b> | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 Or higher   |
| Co Processor / GPU | <b>Availability of Co Processor /GPU</b>                                       | Yes, No Or higher   |
| Memory             | <b>Type of RAM</b>   | DDR4 NVRAM (Persistent Memory), DDR4 SDRAM with ECC   |
|                    | <b>DDR SDRAM Size(GB)</b>  | 0 - 6144  |
|                    | <b>DDR NVRAM Size (GB)</b>   | 0.0 - 1600.0 Or higher  |
| SSD Storage        | <b>Type of Interface for SSD</b>   | SATA, SAS, NVMe, M.2/mSATA, M.2/NVMe, NA  |
|                    | <b>Total Capacity Offered with SATA SSD (GB)</b>                               | 0.0 Or higher   |
|                    | <b>Total Capacity Offered with SAS SSD (GB)</b>                                | 0.0 Or higher   |
|                    | Capacity Offered per NVMe SSD (GB)   | 0   |
|                    | <b>Total Capacity Offered with NVMe SSD (GB)</b>                               | 0.0 Or higher   |
| HDD Storage        | <b>Type of Interface for Hard Disk Drive</b>                                   | SATA, SAS, NL SAS, NA   |
|                    | <b>Total Storage Capacity offered with SATA Drive (GB)</b>                     | 0.0 Or higher   |
|                    | <b>Total Storage Capacity offered with SAS Drive (GB)</b>                      | Any applicable numeric value  |

| Specification      | Specification Name   | Bid Requirement (Allowed Values)   |
|--------------------|--|--|
|                    | <b>Total Storage Capacity offered with NL SAS Drive (GB)</b> | Any applicable numeric value   |
| RAID               | <b>No of RAID Controller Ports</b>                           | 2, 3, 4, 5, 6, 7, 8, 0 Or higher   |
|                    | <b>Speed of RAID Controller Ports (Gbps)</b>                 | 6, 12 Or higher  |
|                    | RAID Controller Cache (GB)                                   | 0, 1, 2, 4, 6, 8 Or higher   |
| Ports & Interfaces | <b>Number of Networking Interface Cards (LAN)</b>            | 2, 3, 4, 5, 6, 7, 8, 1 Or higher   |
|                    | <b>Total Number of Ethernet Ports required in Server</b>     | 1x1G, 2x1G   |
|                    | <b>Number of Single port FC HBA card</b>                     | 0, 1, 2, 3, 4 Or higher  |
|                    | <b>Number of Dual port FC HBA card</b>                       | 0, 1, 2, 3, 4 Or higher  |
|                    | <b>Number of Quad port FC HBA card</b>                       | 0, 1, 2, 3, 4 Or higher  |
|                    | <b>FC HBA Speed (Gbps)</b>                                   | 8, 16, 32, NA Or higher  |
|                    | <b>Number of Converged Network Adaptor (CNA)</b>             | 0, 1, 2, 3, 4 Or higher  |
|                    | <b>Number of Ports per CNA card</b>                          | Dual Port, Quad Port, NA Or higher   |
|                    | <b>CNA Port Speed (Gbps)</b>                                 | 10, 25, 40, 50, 100, 200, 0 Or higher  |
|                    | <b>Length of LC-LC Cable per SFP+ Port (meter)</b>           | 5, 10, 15, 0 Or higher   |
|                    | <b>Length of LC-LC Cable per HBA Port (meter)</b>            | 5, 10, 15, 0 Or higher   |
|                    | <b>Length of LC-LC Cable per CNA Port (meter)</b>            | 5, 10, 15, 0 Or higher   |
| Certifications     | <b>Certifications/Compliance (OS)</b>                        | Windows, Red Hat Linux, Suse Linux, Ubuntu, Cent OS, Debian, AIX   |
| Features           | <b>Management Features-1</b>                                 | Remoter power On/ Shutdown of server,, Remote Management of Server over LAN & WAN with SSL encryption through gigabit management port,, Should have virtual Media support with all required licenses., Remote KVM, Server Health Logging, Out of Band Management |
|                    | Management Features-2  | Automated infrastructure management for patch upgrades, version upgrades ,etc., Platfrom inventory and helath status, Real-time out-of-band hardware performance monitoring & alerting   |

| Specification | Specification Name   | Bid Requirement (Allowed Values)  |
|---------------|--|---|
|               | <b>Security Features-1</b>   | Secure Boot(Firmware and Bios Level Security), Provision to lock the system on breach, Hardware root of trust/Dual Root of Trust, Server should provide policy based security, Server should provide server intrusion detection,, "Malicious Code Free design" (to be certified by OEM) |
|               | Security Features-2  | Secure /Automatic BIOS recovery, Network Card secure firmware boot  |
| Generic       | Redundant Power Supply   | Yes, No Or higher   |
|               | Hot Swappable (Redundant Power Supply)   | Yes, No Or higher   |
|               | <b>Power Supply Efficiency</b>   | Gold, Platinum, Titanium, Bronze Or higher  |
| Benchmark     | <b>SPEC int_rate_base 2017 for the product (must be available on SPEC dot ORG before evaluation)</b> | Any applicable numeric value  |
|               | <b>SPEC fp_rate_2017 for the product (must be available on SPEC dot ORG before evaluation)</b>       | 0.0 Or higher   |
|               | SPEC int_speed_base 2017 for the product (must be available on SPEC dot ORG before evaluation)       | 0.0 Or higher   |
| Warranty      | <b>On Site OEM Warranty (Year)</b>   | 3, 4, 5, 7 Or higher  |

#### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address   | Quantity | Delivery Days |
|-------|-----------------------------|---|----------|---------------|
| 1     | N GNANA SEKHAR              | 517619,INDIAN INSTITUTE OF TECHNOLOGY, TIRUPATI-YERPEDU CAMPUS, YERPEDU-VENKATAGIRI HIGHWAY, YERPEDU POST, YERPEDU MANDAL | 4        | 45            |

#### Buyer added Bid Specific Additional Scope of Work

| S.No. | Document Title   | Description                              | Applicable i.r.o. Items |
|-------|--|--|-------------------------|
| 1     | Technical Specification Compliance Sheet<br><a href="#">View</a> | Technical Specification sheet            | Workstation(12)         |
| 2     | Technical Specification Compliance Sheet<br><a href="#">View</a> | Technical Specification Compliance Sheet | Server(4)               |

**The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.**

## Buyer Added Bid Specific Terms and Conditions

### 1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

### 2. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address Indian Institute of Technology Tirupati Yerpedu Venkatagiri Road, Yerpedu Post, Tirupati District, Andhra Pradesh. Pincode - 517619..

### 3. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

### 4. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

### 5. Generic

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

### 6. Generic

**Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.

### 7. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

#### 8. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

#### 9. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

#### 10. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

#### 11. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

#### 12. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

#### 13. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

#### 14. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 15. **Warranty**

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

## 16. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

### Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity/restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and/or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents/clauses shall also be null and void. If any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations. Also, GeM does not permit collection of Tender fee / Auction fee in case of Bids / Forward Auction as the case may be. Any stipulation by the Buyer seeking payment of Tender Fee / Auction fee through ATC clauses would be treated as null and void.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**