

### Bid Document

| Bid Details  |  |
|--|--|
| Bid End Date/Time                                      | 20-07-2020 13:00:00  |
| Bid Opening Date/Time                                  | 20-07-2020 13:30:00  |
| Bid Life Cycle (From Publish Date)                     | 90 (Days)  |
| Bid Offer Validity (From End Date)                     | 30 (Days)  |
| Ministry/State Name                                    | Uttar Pradesh  |
| Department Name  | Higher Education Department Uttar Pradesh  |
| Organisation Name                                      | N/a  |
| Office Name  | Institute Of Engineering & Technology, Khandari Campus Agra  |
| Total Quantity   | 2  |
| Item Category  | Workstation  |
| Bidder Turnover (Last 3 Years)                         | 2 Lakh (s)   |
| OEM Average Turnover (Last 3 Years)                    | 13 Lakh (s)  |
| Experience Criteria                                    | 3 Year (s)   |
| MSE Exemption for Years of Experience and Turnover     | No   |
| Startup Exemption for Years of Experience and Turnover | No   |
| Document required from seller                          | Experience Criteria,Past Performance,Bidder Turnover,OEM Authorization Certificate,OEM Annual Turnover<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 |
| Past Performance                                       | 10 %   |
| Bid to RA enabled                                      | No   |
| Inspection Required                                    | No   |

### EMD Detail

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

### ePBG Detail

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|          |    |
|----------|----|
| Required | No |
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## Splitting

Bid splitting not applied.

1. 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 years as indicated 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 year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. 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.
3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three 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 year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Workstation ( 2 pieces )

### Technical Specifications

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

| Specification | Specification Name              | Values | Bid Requirement (Allowed Values)   |
|---------------|---------------------------------|--------|--|
| Processor     | Processor Make                  | Intel  | Intel  |
|               | Processor Generation            | 9      | 9, NA, 10 Or higher  |
|               | Number of Cores per Processor   | 6      | 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 Or higher                                 |
|               | Processor Base Frequency (GHz)  | 2.6    | 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 Or higher |
|               | Processor Turbo Frequency (GHz) | 4.5    | *  |

|  |  |                       |  |
|--|--|-----------------------|--|
|  | <b>Processor Description</b>                           | Intel Core i7         | Intel Core i7, Intel Core i9, Intel Xeon E Series, Intel Xeon W Series, Intel Xeon Bronze Series, Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher   |
|  | <b>Processor Number</b>                                | Intel Core i7-9750H   | Intel Core i7-8700K, Intel Core i7- 8850H, Intel Core i7-9750H, Intel Core i7-9850H, Intel Core i9-9880H, Intel Core i9-9980HK, Intel Core i9 10980HK, Intel Core i9 10880H, Intel Core i7 10875H, Intel Core i7 10850H, Intel Core i9 9980HK, Intel Core i7 10750H, Intel Core i9 8950HK, Intel Core i7 10810U, Intel Core i7 10610U, Intel Core i7 10510U, Intel Core i7 10310U, Intel Core i7 10210U, Intel Core i9 10885H, Intel Core i9 10900K, Intel Core i9 10900, Intel Core i9 10700K, Intel Core i9 10700, Intel Core i9 10600K, Intel Core i9 10600, Intel Core i9 10500, Intel Core i9 10100 Or higher |
|  | Number of sockets available on the motherboard         | 1                     | *  |
|  | <b>Number of Sockets populated with the Processors</b> | 1                     | 1, 2 Or higher   |
|  | <b>Cache (MB)</b>                                      | 12                    | 12.0 - 64.0 Or higher  |
|  | Out of Band Management                                 | NA                    | *  |
|  | Type   | <b>Form Factor</b>    | Mobile - Standard  |
|  | Motherboard  | <b>Chipset Number</b> | Intel CM246  |
|  | Expansion Slots (PCIe x                                | 0                     | *  |
|  |  |                       | Intel C246, Intel CM246, Intel C422, Intel C621, Intel C622, Intel C624, Intel X99, Intel X299 Or higher   |

|                  |   |   |  |
|------------------|---|---|--|
|                  | 1) (Number)   |   |  |
|                  | Expansion Slots (PCIe x 4) (Number)                     | 0   | *  |
|                  | Expansion Slots (PCIe x 8) (Number)                     | 0   | *  |
|                  | Expansion Slots (PCIe x 16) (Number)                    | 0   | *  |
|                  | Expansion Slots (PCI) (Number)                          | 0   | *  |
| Graphics         | <b>Graphics Type</b>                                    | Dedicated/Discrete  | Dedicated/Discrete   |
|                  | <b>Number of Graphic Cards</b>                          | 1   | 1, 2, 3, 4 Or higher   |
|                  | <b>Graphic Card Description</b>                         | nVIDIA Quadro P620 4GB  | nVIDIA NVS 810 4GB, 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 P600 4GB GDDR5, NVIDIA Quadro P2200 5GB GDDR5 Or higher |
| Operating System | <b>Operating System (Factory Pre-Loaded)</b>            | Windows 10 Professional 64 bit  | Windows 10 Professional 64 bit   |
|                  | Recovery Image Media                                    | CD from the OEM / Stored in Partition of the Hard Disk / USB Drive from the OEM / On Line / Cloud | *  |
|                  | OS Certification  | Windows,Ubuntu Linux,Redhat Linux   | *  |
| Applications     | Applications Compatible with the Workstation (Requisite | Dassault Systèmes SolidWorks,Dassault Systèmes  | *  |

|                             |  |                  |   |
|-----------------------------|--|------------------|---|
|                             | document may be furnished as and when demanded by the buyer) | CATIA,Siemens NX |   |
| Memory                      | RAM Type   | DDR4             | *   |
|                             | RAM Speed (MHz)  | 2666             | *   |
|                             | Type of Memory   | Non ECC          | *   |
|                             | <b>RAM Size (GB)</b>   | 32               | 32, 64, 128, 256, 512, 1024, 2048, 3072, 4096, 48, 96, 192, 384, 768, 1536 Or higher                              |
|                             | Total Numbers of DIMM Slots Available                        | 2                | *   |
|                             | Number of DIMM Slots Populated                               | 2                | *   |
|                             | <b>RAM Expandability upto using spare DIMM Slots (GB)</b>    | 32               | 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>     | PCle             | PCle  |
|                             | Number of Drives   | 1                | *   |
|                             | <b>RAID for Operating System</b>                             | NA               | NA  |
|                             | <b>Capacity of each Drive (GB)</b>                           | 256              | 256, 300, 384, 500, 512, 600, 768, 800, 900, 1000, 1024, 1200, 1800, 2000, 2048, 4000, 4096, 8000, 6000 Or higher |
| Secondary Storage           | <b>Type of Drives used to populate the Internal Bays</b>     | SATA             | SATA  |
|                             | Total number of Internal Bays available for SATA Drive       | 1                | *   |
|                             | <b>Number of Internal Bays populated with SATA Drive</b>     | 1                | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher   |
|                             | <b>Each SATA Drive Capacity (GB)</b>                         | 1000             | 1000, 2000, 4000, 8000, 6000 Or higher  |
|                             | Speed of each SATA Drive (RPM)                               | 7200             | *   |
|                             | <b>Total SATA Drive Capacity (GB)</b>                        | 1000             | 1000, 2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000,  |

|              |  |                    |  |
|--------------|--|--------------------|--|
|              |  |                    | 24000, 28000, 32000<br>Or higher                                   |
|              | Total number of<br>Internal Bays available<br>for SAS Drive      | 0                  | *  |
|              | <b>Number of Internal<br/>Bays populated with<br/>SAS Drive</b>  | 0                  | 0, 1, 2, 3, 4, 5, 6, 7, 8,<br>9, 10 Or higher                      |
|              | <b>Capacity of each SAS<br/>Drive (GB)</b>                       | 0                  | 300, 600, 900, 1200,<br>1800, 800, 0, 4000 Or<br>higher            |
|              | Speed of each SAS<br>Drive (RPM)                                 | 0                  | *  |
|              | <b>Total SAS Drive<br/>Capacity (GB)</b>                         | 0                  | 300, 600, 900, 1200,<br>1800, 2100, 0, 4000 Or<br>higher           |
|              | Total number of<br>Internal Bays available<br>for SSD            | 0                  | *  |
|              | <b>Number of Internal<br/>Bays populated with<br/>SSD Drive</b>  | 0                  | 0, 1, 2, 3, 4, 5, 6, 7, 8,<br>9, 10 Or higher                      |
|              | <b>Capacity of each SSD<br/>Drive (GB)</b>                       | 0                  | 128, 256, 512, 1024,<br>2048, 800, 0 Or higher                     |
|              | <b>Total SSD Capacity<br/>(GB)</b>                               | 0                  | 128, 256, 384, 512,<br>768, 1024, 2048, 4096,<br>0, 5120 Or higher |
|              | Total number of<br>Internal Bays available<br>for PCIe SSD       | 1                  | *  |
|              | <b>Number of Internal<br/>Bays populated with<br/>PCIe Drive</b> | 1                  | 1, 2, 3, 4, 5, 6, 7, 8 Or<br>higher                                |
|              | <b>Capacity of each<br/>PCIe Drive (GB)</b>                      | 256                | 256, 512, 1024, 2048<br>Or higher                                  |
|              | <b>Total PCIe Drive<br/>Capacity (GB)</b>                        | 256                | 256, 512, 1024, 2048,<br>4096, 1536 Or higher                      |
|              | Class of PCIe Drives   | Class 40           | *  |
| RAID         | RAID level   | 0                  | *  |
|              | <b>Number of RAID<br/>Controller Ports</b>                       | 0                  | 2, 3, 4, 5, 6, 7, 8, 10, 0<br>Or higher                            |
|              | <b>Speed of RAID<br/>Controller Ports<br/>(Gbps)</b>             | 0                  | 6, 12, 0 Or higher   |
|              | RAID Controller Cache<br>(GB)                                    | 0                  | *  |
| Connectivity | Type of Ethernet Ports   | Single Gigabit NIC | *  |

|         |  |                |   |
|---------|--|----------------|---|
|         |  | 10/100/1000    |   |
|         | <b>Number of Ethernet Ports</b>                          | 1              | 1, 2, 3, 4, 6 Or higher   |
|         | <b>Wireless Connectivity</b>                             | Yes            | Yes Or higher   |
|         | <b>If Yes, Type of Wireless Connectivity</b>             | Wi-Fi 802.11ac | Wi-Fi 802.11ac Or higher  |
|         | <b>Bluetooth Connectivity</b>                            | Yes            | Yes Or higher   |
|         | <b>If Yes, Version of Bluetooth Available</b>            | 5              | 5 Or higher   |
| Ports   | Number of USB Version 2 Point 0 Ports                    | 0              | *   |
|         | Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports | 3              | *   |
|         | Number of USB Version 3 point 1, Gen 2 Ports             | 0              | *   |
|         | Number of USB Type C Ports                               | 1              | *   |
|         | Number of VGA Ports                                      | 0              | *   |
|         | Number of HDMI Ports                                     | 1              | *   |
|         | Number of Mini DP Ports                                  | 0              | *   |
|         | Number of DP Ports                                       | 0              | *   |
| Display | <b>Display Availability</b>                              | Integrated     | Integrated  |
|         | <b>Display Size (cm)</b>                                 | 40 - 44        | 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 Or higher |
|         | <b>Display Type</b>                                      | Non Touch      | Non Touch, Touch Or higher  |
|         | <b>Panel Type</b>  | Flat           | Flat, Curved Or higher  |
|         | <b>Panel Technology</b>                                  | IPS            | IPS, OLED Or higher   |
|         | <b>Display Resolution (Pixels)</b>                       | 1920x1080      | 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                           |

|               |  |   |                   |
|---------------|--|---|-------------------|
|               | LED Backlit  | NA  | *                 |
|               | TCO Compliance for Monitor   | NA  | *                 |
|               | Colour Gamut   | 45% Color Gamut                           | *                 |
|               | Monitor Stand  | NA  | *                 |
| Power         | Maximum Power (Watts)  | 150                                       | *                 |
|               | Minimum Power Efficiency (%)   | -   | *                 |
|               | Power Management Unit  | Yes                                       | *                 |
|               | <b>Redundant Power Supply</b>  | No  | Yes, No Or higher |
| Input Devices | Mouse Connectivity, If available   | NA  | *                 |
|               | Type of Mouse, If available  | NA  | *                 |
|               | Keyboard Connectivity, if available  | NA  | *                 |
|               | Type of Keyboard, if available   | NA  | *                 |
|               | Type of Keyboard in case of Mobile Workstation   | Backlit                                   | *                 |
| Generic       | Optical Drive  | -   | *                 |
|               | Number of External Bays  | 0   | *                 |
|               | Security   | H/W Based                                 | *                 |
|               | Docking Station for Mobile Workstation   | No  | *                 |
|               | Availability of Bundled Software   | Yes                                       | *                 |
|               | Type of Bundled Software   | Standard Performance Improvement Software | *                 |
|               | Finger Print Reader in case of Mobile Workstation  | Yes                                       | *                 |
|               | Carry Case in case of Mobile Workstation   | Back Pack                                 | *                 |
| Certification | BIS Registration under CRS of Meity (Requisite certificate may be furnished as and when demanded by the buyer) | Yes                                       | *                 |



|                      |  |     |                   |
|----------------------|--|-----|-------------------|
|                      | BIS Registration Number and its Validity   | -   | *                 |
|                      | ROHS Compliance  | Yes | *                 |
|                      | Other Certification Available (Requisite certificate may be furnished as and when demanded by the buyer) | -   | *                 |
| Operating Conditions | Minimum Operating Temperature (Degree C)   | 0   | *                 |
|                      | Maximum Operating Temperature (DEgree C)   | 35  | *                 |
|                      | Minimum Operating Humidity (%RH)   | 10  | *                 |
|                      | Maximum Operating Humidity (%RH)   | 80  | *                 |
| Warranty             | Battery Warranty in case of Mobile Workstation   | 3   | *                 |
|                      | <b>On Site OEM Warranty (Year)</b>   | 3   | 3, 4, 5 Or higher |

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

### Additional Specification Documents

### Consignees/Reporting Officer and Quantity

| S.No. | Consignee/Reporting Officer | Address  | Quantity | Delivery Days |
|-------|-----------------------------|--|----------|---------------|
| 1     | Dr Manu Pratap Singh        | 282007, Institute of Engineering & Technology<br>Dr. B.R Ambedkar University, Khandari Campus Agra | 2        | 30            |

### Bid Specific Additional Terms and Conditions

1. 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.
2. 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.

3. **Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
4. **Consortium:** In case of Contracts, wherein the seller alone does not have necessary expertise, the seller can form consortium with other sellers for submission of the bid, with one of the consortium company as leader. However, each and every member of the consortium shall be equally responsible for the complete execution of the project contract. An undertaking to this effect is to be uploaded with bid.
5. **End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
6. **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. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 1 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
8. 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.
9. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

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

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