

### Bid Document

| Bid Details  |   |
|--|---|
| Bid End Date/Time                                      | 23-07-2020 17:00:00   |
| Bid Opening Date/Time                                  | 23-07-2020 17:30:00   |
| Bid Life Cycle (From Publish Date)                     | 90 (Days)   |
| Bid Offer Validity (From End Date)                     | 75 (Days)   |
| Ministry/State Name                                    | Ministry Of Defence   |
| Department Name  | Department Of Defence Research & Development  |
| Organisation Name                                      | Office Of Dg (mss)  |
| Office Name  | *****   |
| Total Quantity   | 3   |
| Item Category  | Workstation   |
| 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,Certificate (Requested in ATC),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                                       | 50 %  |
| Bid to RA enabled                                      | No  |
| Inspection Required                                    | No  |
| Estimated Bid Value                                    | 687787  |

### EMD Detail

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

### ePBG Detail

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

### 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. 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 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 ( 3 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           | *  |
|               | Processor Description           | 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,<br>Intel Core i7- 8850H,<br>Intel Core i7-9750H,<br>Intel Core i7-9850H,<br>Intel Core i9-9880H,<br>Intel Core i9-9980HK,<br>Intel Core i9 10980HK,<br>Intel Core i9 10880H,<br>Intel Core i7 10875H,<br>Intel Core i7 10850H,<br>Intel Core i9 9980HK,<br>Intel Core i7 10750H,<br>Intel Core i9 8950HK,<br>Intel Core i7 10810U,<br>Intel Core i7 10610U,<br>Intel Core i7 10510U,<br>Intel Core i7 10310U,<br>Intel Core i7 10210U,<br>Intel Core i9 10885H,<br>Intel Core i9 10900K,<br>Intel Core i9 10900,<br>Intel Core i9 10700K,<br>Intel Core i9 10700,<br>Intel Core i9 10600K,<br>Intel Core i9 10600,<br>Intel Core i9 10500,<br>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>                                     | Desktop             | Mobile - Standard, Desktop   |
| Motherboard | <b>Chipset Number</b>                                  | Intel CM246         | Intel C246, Intel CM246, Intel C422, Intel C621, Intel C622, Intel C624, Intel X99, Intel X299 Or higher   |
|             | Expansion Slots (PCIe x 1) (Number)                    | 0                   | *  |
|             | 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 T1000 w/4GB   | 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 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, Redhat Linux   | *  |
| Applications     | Applications Compatible with the Workstation (Requisite document may be furnished as and when | Dassault Systèmes SolidWorks, Dassault Systèmes CATIA, PTC Creo, Siemens NX                       | *  |

|                             |   |         |   |
|-----------------------------|---|---------|---|
|                             | demanded by the buyer)                                    |         |   |
| 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> | 128     | 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>  | SSD     | SSD   |
|                             | 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 Or higher          |
|                             | Total number of   | 0       | *   |

|              |  |                                |  |
|--------------|--|--------------------------------|--|
|              | Internal Bays available for SAS Drive                    |                                |  |
|              | <b>Number of Internal Bays populated with SAS Drive</b>  | 0                              | 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher           |
|              | <b>Capacity of each SAS Drive (GB)</b>                   | 0                              | 300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher    |
|              | Speed of each SAS Drive (RPM)                            | 0                              | *  |
|              | <b>Total SAS Drive Capacity (GB)</b>                     | 0                              | 300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher   |
|              | Total number of Internal Bays available for SSD          | 1                              | *  |
|              | <b>Number of Internal Bays populated with SSD Drive</b>  | 1                              | 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher              |
|              | <b>Capacity of each SSD Drive (GB)</b>                   | 256                            | 256, 512, 1024, 2048, 800 Or higher                  |
|              | <b>Total SSD Capacity (GB)</b>                           | 256                            | 256, 384, 512, 768, 1024, 2048, 4096, 5120 Or higher |
|              | Total number of Internal Bays available for PCIe SSD     | 0                              | *  |
|              | <b>Number of Internal Bays populated with PCIe Drive</b> | 0                              | 0, 1, 2, 3, 4, 5, 6, 7, 8 Or higher                  |
|              | <b>Capacity of each PCIe Drive (GB)</b>                  | 0                              | 128, 256, 512, 1024, 2048, 0 Or higher               |
|              | <b>Total PCIe Drive Capacity (GB)</b>                    | 0                              | 128, 256, 512, 1024, 2048, 4096, 0, 1536 Or higher   |
|              | Class of PCIe Drives                                     | NA                             | *  |
| RAID         | RAID level   | 0,1                            | *  |
|              | <b>Number of RAID Controller Ports</b>                   | 0                              | 2, 3, 4, 5, 6, 7, 8, 10, 0 Or higher                 |
|              | <b>Speed of RAID Controller Ports (Gbps)</b>             | 0                              | 6, 12, 0 Or higher                                   |
|              | RAID Controller Cache (GB)                               | 0                              | *  |
| Connectivity | Type of Ethernet Ports                                   | Single Gigabit NIC 10/100/1000 | *  |
|              | <b>Number of Ethernet</b>                                | 1                              | 1, 2, 3, 4, 6 Or higher                              |

|         |  |                |  |
|---------|--|----------------|--|
|         | <b>Ports</b>   |                |  |
|         | <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                    | 1              | *  |
|         | 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                               | 2              | *  |
|         | 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>                                 | 35 - 39        | 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 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   | NA  | *                 |
|               | 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   | NA  | *                 |
| 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   | Remote Collaboration Software & Performance Advisor | *                 |
|               | 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)   | 90  | *                 |
| 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     | *****                       | *****HYDERABAD | 3        | 45            |

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. 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.
3. Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, 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.

4. ISO 9001: The bidder must have ISO 9001 certification.

5. The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST. Applicable Concessional rate of GST : 5%

Notification No. and date : 47 dated 14/11/2017

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

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