

Bid Document

| Bid Details | |
|--|---|
| Bid End Date/Time | 23-07-2020 14:00:00 |
| Bid Opening Date/Time | 23-07-2020 14:30:00 |
| Bid Life Cycle (From Publish Date) | 90 (Days) |
| Bid Offer Validity (From End Date) | 30 (Days) |
| Ministry/State Name | Ministry Of Defence |
| Department Name | Department Of Defence Reseach & Development |
| Organisation Name | Aeronautical Development Agency |
| Office Name | ***** |
| Total Quantity | 4 |
| Item Category | Workstation |
| Bidder Turnover (Last 3 Years) | 25 Lakh (s) |
| OEM Average Turnover (Last 3 Years) | 200 Lakh (s) |
| Experience Criteria | 3 Year (s) |
| MSE Exemption for Years Of Experience and Turnover | Yes |
| Startup Exemption for Years Of Experience and Turnover | Yes |
| Document required from seller | Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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 | Yes |
| Inspection Required | No |

EMD Detail

| | |
|-------------------|---------------------|
| Advisory Bank | State Bank of India |
| EMD Percentage(%) | 2.00 |
| EMD Amount | 100000 |

ePBG Detail

| | |
|-------------------------------------|---------------------|
| Advisory Bank | State Bank of India |
| ePBG Percentage(%) | 10.00 |
| Duration of ePBG required (Months). | 38 |

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

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

Beneficiary:

Senior Admin Officer II

Bangalore/south, Department of Defence Reseach & Development, AERONAUTICAL DEVELOPMENT AGENCY, Ministry of Defence
(Balasubramanyam H S)

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 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 (4 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

| Specification | Specification Name | Values | Bid Requirement (Allowed Values) |
|---------------|--|------------------------|---|
| Processor | Processor Make | Intel | Intel |
| | Processor Generation | NA | 7, 8, 9, NA, 10 Or higher |
| | Number of Cores per Processor | 18 | 18, 20, 22, 24, 26, 28, 30, 32 Or higher |
| | Processor Base Frequency (GHz) | 3.1 | 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 | * |
| | Processor Description | Intel Xeon Gold Series | Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher |
| | Processor Number | Intel Xeon Gold 6254 | Intel Xeon Platinum 8168, Intel Xeon Platinum 8170, Intel Xeon Platinum 8176, Intel Xeon Platinum 8180, Intel Xeon Gold 6252, Intel Xeon Gold 6254, 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 Platinum 8260Y Or higher |
| | Number of sockets available on the motherboard | 2 | * |
| | Number of Sockets populated with the Processors | 2 | 2 Or higher |
| | Cache (MB) | 24.75 | 24.75 - 64.0 Or higher |

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|------------------|--|---|--|
| | Out of Band Management | NA | * |
| Type | Form Factor | Desktop | Desktop |
| Motherboard | Chipset Number | Intel C621 | Intel C621, Intel C622, Intel C624, Intel X99, Intel X299 Or higher |
| | Expansion Slots (PCIe x 1) (Number) | 1 | * |
| | Expansion Slots (PCIe x 4) (Number) | 1 | * |
| | Expansion Slots (PCIe x 8) (Number) | 1 | * |
| | Expansion Slots (PCIe x 16) (Number) | 4 | * |
| | Expansion Slots (PCI) (Number) | 0 | * |
| Graphics | Graphics Type | Dedicated/Discrete | Dedicated/Discrete |
| | Number of Graphic Cards | 1 | 1, 2, 3, 4 Or higher |
| | Graphic Card Description | nVIDIA Quadro RTX 5000 16GB | 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 Or higher |
| Operating System | Operating System (Factory Pre-Loaded) | 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 document may be furnished as and when demanded by the buyer) | Adobe After Effects CS/CC,Adobe Illustrator CC,Adobe Media Encoder CS/CC,Adobe Photoshop CS/CC,Adobe Premiere Pro CS/CC,Adobe SpeedGrade CC,Autodesk AutoCAD,Autodesk | * |

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|--------------------------------|---|--|--|
| | | Inventor,Autodesk Maya,Autodesk MotionBuilder,Autodesk Mudbox,Avid Media Composer,Dassault Systèmes SolidWorks,Dassault Systèmes CATIA,PTC Creo,Siemens NX,Bentley MicroStation,ANSYS Fluent,ANSYS Workbench,Sonar Cakewalk,Maxon Cinema 4D,Landmark DecisionSpace,G1 Autodesk Revit,Autodesk 3ds Max,Unreal Engine 4 by Epic Games | |
| Memory | RAM Type | DDR4 | * |
| | RAM Speed (MHz) | 2933 | * |
| | Type of Memory | ECC RDIMM | * |
| | RAM Size (GB) | 256 | 256, 512, 1024, 2048, 3072, 4096, 384, 768, 1536 Or higher |
| | Total Numbers of DIMM Slots Available | 24 | * |
| | Number of DIMM Slots Populated | 4 | * |
| | RAM Expandability upto using spare DIMM Slots (GB) | 1024 | 1024, 3072, 4096, 1536, 2048 Or higher |
| Primary Storage /Boot Drive | Type of Drives used to populate the internal Bays | SAS | SAS |
| | Number of Drives | 3 | * |
| | RAID for Operating System | NA | 0, 1, NA |
| | Capacity of each Drive (GB) | 4000 | 4000, 4096, 8000, 6000 Or higher |
| Secondary Storage | Type of Drives used to populate the Internal Bays | PCIe | PCIe |
| | Total number of Internal Bays available for SATA Drive | 0 | * |
| | Number of Internal Bays populated with SATA Drive | 0 | * |

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|--|--|--|
| Each SATA Drive Capacity (GB) | 0 | 500, 1000, 2000, 4000, 8000, 0, 6000 Or higher |
| Speed of each SATA Drive (RPM) | 0 | * |
| Total SATA Drive Capacity (GB) | 0 | * |
| Total number of Internal Bays available for SAS Drive | 7 | * |
| Number of Internal Bays populated with SAS Drive | 0 | * |
| Capacity of each SAS Drive (GB) | 0 | 300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher |
| Speed of each SAS Drive (RPM) | 7200 | * |
| Total SAS Drive Capacity (GB) | 0 | 300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher |
| Total number of Internal Bays available for SSD | 0 | * |
| Number of Internal Bays populated with SSD Drive | 0 | * |
| Capacity of each SSD Drive (GB) | 0 | 128, 256, 512, 1024, 2048, 800, 0 Or higher |
| Total SSD Capacity (GB) | 0 | 128, 256, 384, 512, 768, 1024, 2048, 4096, 0, 5120 Or higher |
| Total number of Internal Bays available for PCIe SSD | 1 | * |
| Number of Internal Bays populated with PCIe Drive | 1 | 1, 2, 3, 4, 5, 6, 7, 8 Or higher |
| Capacity of each PCIe Drive (GB) | 512 | 512, 1024, 2048 Or higher |
| Total PCIe Drive Capacity (GB) | 512 | 512, 1024, 2048, 4096, 1536 Or higher |
| Class of PCIe Drives | Class 40 | * |
| RAID | RAID level | 0,1,5,1+0 |
| | Number of RAID Controller Ports | 8, 10 Or higher |
| | Speed of RAID | 12 Or higher |

| | | | |
|--------------|--|------------------------------|---|
| | Controller Ports (Gbps) | | |
| | RAID Controller Cache (GB) | 0 | * |
| Connectivity | Type of Ethernet Ports | Dual Gigabit NIC 10/100/1000 | * |
| | Number of Ethernet Ports | 2 | 2, 3, 4, 6 Or higher |
| | Wireless Connectivity | No | Yes, No Or higher |
| | If Yes, Type of Wireless Connectivity | NA | Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA Or higher |
| | Bluetooth Connectivity | No | Yes, No Or higher |
| | If Yes, Version of Bluetooth Available | 0 | 4, 4.1, 4.2, 5, 0 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 | 8 | * |
| | 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 | 0 | * |
| | Number of Mini DP Ports | 0 | * |
| | Number of DP Ports | 4 | * |
| Display | Display Availability | Monitor | Monitor |
| | Display Size (cm) | 58- 61 | 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 |
| | Display Type | Non Touch | Non Touch, Touch Or higher |
| | Panel Type | Flat | Flat, Curved, NA Or higher |
| | Panel Technology | IPS | IPS, OLED Or higher |
| | Display Resolution (Pixels) | 3840 x 2160 | 3840 x 2160, 7680 x 4320 Or higher |

| | | | |
|---------------|--|--|-------------------|
| | LED Backlit | Yes | * |
| | TCO Compliance for Monitor | TCO 07 | * |
| | Colour Gamut | 99% sRGB | * |
| | Monitor Stand | Height Adjustable | * |
| Power | Maximum Power (Watts) | 1400 | * |
| | Minimum Power Efficiency (%) | - | * |
| | Power Management Unit | Yes | * |
| | Redundant Power Supply | No | Yes, No Or higher |
| Input Devices | Mouse Connectivity, If available | Wired | * |
| | Type of Mouse, If available | Optical Scroll | * |
| | Keyboard Connectivity, if available | Wired | * |
| | Type of Keyboard, if available | Standard with Rupee Symbol | * |
| | Type of Keyboard in case of Mobile Workstation | NA | * |
| Generic | Optical Drive | - | * |
| | Number of External Bays | 2 | * |
| | Security | S/W Based | * |
| | Docking Station for Mobile Workstation | No | * |
| | Availability of Bundled Software | Yes | * |
| | Type of Bundled Software | Artificial Intelligence Based Performance Improvement Software | * |
| | Finger Print Reader in case of Mobile Workstation | NA | * |
| | Carry Case in case of Mobile Workstation | NA | * |
| 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) | 10 | * |
| | Maximum Operating Temperature (DEgree C) | 35 | * |
| | Minimum Operating Humidity (%RH) | 20 | * |
| | Maximum Operating Humidity (%RH) | 80 | * |
| Warranty | Battery Warranty in case of Mobile Workstation | 0 | * |
| | On Site OEM Warranty (Year) | 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 | ***** | *****BANGALORE | 4 | 30 |

Bid Specific Additional Terms and Conditions

1. 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.

2. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

- (a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-
- (i) Inhibit the desires and designed function of the equipment.
 - (ii) Cause physical damage to the user or equipment during the exploitation.
 - (iii) Tap information resident or transient in the equipment/network.
- (b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

3. Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of Aeronautical Development Agency, Bengaluru A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.
4. Bidders can also submit the EMD with Account Payee Demand Draft in favour of Aeronautical Development Agency, Bengaluru payable at Bengaluru.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
5. Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of Aeronautical Development Agency, Bengaluru A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter.
Bidder has to upload scanned copy / proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
6. Bidders can also submit the EMD with Banker's Cheque in favour of Aeronautical Development Agency, Bengaluru payable at Bengaluru.
Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
7. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of Aeronautical Development Agency, Bengaluru payable at Bengaluru. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
8. Scope of supply (Bid price to include all cost components) : Only supply of Goods
9. 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.
10. 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.
11. 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. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
 13. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
 14. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
 15. 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. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:
 - (i) Single order of at least 35% of estimated bid value; or
 - (ii) Two orders of at least 20% each of estimated bid value; or
 - (iii) Three orders of at least 15% each of estimated bid value.Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion
 17. 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 : 45/2017 or 47/2017 dated 14/11/2017

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

---Thank You---