

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 10:00:00
Bid Opening Date/Time	27-07-2020 10:30:00
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	Office Of Dg (aero)
Office Name	*****
Total Quantity	5
Item Category	Workstation
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *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
Bid to RA enabled	Yes
Inspection Required	No

### EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	26979

### 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:**

Chief Executive (Airworthiness)

Centre For Military Airworthiness n Certification, Ministry of Defence, DRDO, marathahalli colony post, Bangalore 560037

(Chief Executive Airworthiness)

**Splitting**

Bid splitting not applied.

**Workstation ( 5 pieces )**

**Technical Specifications**

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	NA	NA, 10 Or higher
	<b>Number of Cores per Processor</b>	12	12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.2	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 Or higher
	Processor Turbo Frequency (GHz)	3.2	*
	<b>Processor Description</b>	Intel Xeon Silver Series	Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher
	<b>Processor Number</b>	Intel Xeon Silver 4214	Intel Xeon Gold 5120, Intel Xeon Gold 6126, Intel Xeon Gold 6130F,

		Intel Xeon Gold 6132, Intel Xeon Gold 6136, Intel Xeon Gold 6138, Intel Xeon Gold 6140, Intel Xeon Gold 6142, Intel Xeon Gold 6142F, 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 4214, Intel Xeon Silver 4216, 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 6238, Intel Xeon Gold 6238T, Intel Xeon Gold 6240Y, Intel Xeon Gold 6240M, Intel Xeon Gold 6246, Intel Xeon Platinum 8260Y, Intel Xeon Silver 4214Y, Intel Xeon Platinum 8158 Or higher
Number of sockets	2	*

	available on the motherboard		
	<b>Number of Sockets populated with the Processors</b>	1	1, 2 Or higher
	<b>Cache (MB)</b>	16.5	16.5 - 64.0 Or higher
	Out of Band Management	NA	*
Type	<b>Form Factor</b>	Desktop	Desktop
Motherboard	<b>Chipset Number</b>	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)	2	*
	Expansion Slots (PCI) (Number)	1	*
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 P2200 5GB GDDR5	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, AMD Radeon Pro WX5100, AMD Radeon Pro WX7100, AMD Radeon Pro WX7130, AMD Radeon Pro WX9100, 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 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 Inventor,Autodesk Maya,Autodesk MotionBuilder,Autodesk Mudbox,Avid Media Composer,Dassault Systèmes SolidWorks,Dassault Systèmes CATIA,PTC Creo,Siemens NX,Schlumberger Petrel,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)	2400	*
	Type of Memory	ECC RDIMM	*
	<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	6	*
	Number of DIMM Slots Populated	4	*

	<b>RAM Expandability upto using spare DIMM Slots (GB)</b>	16	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>	SATA	SATA, SAS
	Number of Drives	1	*
	<b>RAID for Operating System</b>	NA	NA
	<b>Capacity of each Drive (GB)</b>	2000	2000, 2048, 4000, 4096, 8000, 6000 Or higher
Secondary Storage	<b>Type of Drives used to populate the Internal Bays</b>	NA	NA
	Total number of Internal Bays available for SATA Drive	5	*
	<b>Number of Internal Bays populated with SATA Drive</b>	0	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	<b>Each SATA Drive Capacity (GB)</b>	0	500, 1000, 2000, 4000, 8000, 0, 6000 Or higher
	Speed of each SATA Drive (RPM)	7200	*
	<b>Total SATA Drive Capacity (GB)</b>	0	500, 1000, 2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000, 0 Or higher
	Total number of Internal Bays available for SAS Drive	0	*
	<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	0	*

	for SSD		
	<b>Number of Internal Bays populated with SSD Drive</b>	0	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	<b>Capacity of each SSD Drive (GB)</b>	0	128, 256, 512, 1024, 2048, 800, 0 Or higher
	<b>Total SSD Capacity (GB)</b>	0	128, 256, 384, 512, 768, 1024, 2048, 4096, 0, 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	0,1,5,1+0	*
	<b>Number of RAID Controller Ports</b>	5	5, 6, 7, 8, 10 Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	6	6, 12 Or higher
	RAID Controller Cache (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>	No	Yes, No Or higher
	<b>If Yes, Type of Wireless Connectivity</b>	NA	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA Or higher
	<b>Bluetooth Connectivity</b>	No	Yes, No Or higher
	<b>If Yes, Version of Bluetooth Available</b>	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	<b>Display Availability</b>	Monitor	Monitor
	<b>Display Size (cm)</b>	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
	<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	Yes	*
	TCO Compliance for Monitor	TCO 07	*
	Colour Gamut	72% Color Gamut	*
	Monitor Stand	Height Adjustable	*
Power	Maximum Power (Watts)	950	*
	Minimum Power Efficiency (%)	-	*
	Power Management Unit	Yes	*
	<b>Redundant Power Supply</b>	No	Yes, No Or higher
Input Devices	Mouse Connectivity, If available	Wired	*
	Type of Mouse, If available	Optical Scroll	*



Generic	Keyboard Connectivity, if available	Wired	*
	Type of Keyboard, if available	Standard with Rupee Symbol	*
	Type of Keyboard in case of Mobile Workstation	NA	*
	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)	5	*
	Maximum Operating Temperature (DEgree C)	35	*
	Minimum Operating Humidity (%RH)	10	*
	Maximum Operating Humidity (%RH)	85	*

Warranty	Battery Warranty in case of Mobile Workstation	0	*
	<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	*****	*****BANGALORE	5	30

### Bid Specific Additional Terms and Conditions

- 1. 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.
- 2. Non return of Hard Disk:** As per Buyer organization's Security Policy,Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.
- 3.** Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 7 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
- 4.** 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.
- 5. 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.
- 6. Demurrage charges** In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be admitted.Demurrage charges. In case the rejected items are not lifted by the firm within 48 hrs, the demurrage charges at the rate of 0.5% of total contract value will be charged per day. In case the items are not lifted within a month, the same will be destroyed by the station board of officers and no claim will be admitted.

#### 7. 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.
8. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent 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.
  9. **Packing Material** The items will be supplied by the successful bidder in its original packing material and the packing material will not be returned. Weight of packing material will not be included in quantity supplied and only net weight of the items will be counted. The packing should be of standardized weights of appropriate size. Item will not be accepted in non-standardized weights. Packing Material. The items will be supplied by the successful bidder in its original packing material and the packing material will not be returned. Weight of packing material will not be included in quantity supplied and only net weight of the items will be counted. The packing should be of standardized weights of appropriate size. Item will not be accepted in non-standardized weights.
  10. 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 : 45/2017central, 47/2017 igst, kar/45/2017 state dated 14/11/2017
  11. 1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.  
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.  
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.
  12. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
  13. **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.
  14. **Preference to Make In India products (For bids less than 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 50%. 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. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
  15. **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.

16. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
17. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
18. 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.
19. Bidders can also submit the EMD with Account Payee Demand Draft in favour of Chief Executive (Airworthiness) payable at Bangalore.  
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.
20. Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of Chief Executive (Airworthiness) 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.
21. 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 Chief Executive (Airworthiness) payable at Bangalore. 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.
22. 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 Chief Executive (Airworthiness) 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.

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

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