

Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 13:00:00
Bid Opening Date/Time	24-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Indian Ordnance Factories
Office Name	*****
Total Quantity	1
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	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Workstation (1 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel	Intel
	Processor Generation	NA	NA, 10 Or higher
	Number of Cores per Processor	8	8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 Or higher
	Processor Base Frequency (GHz)	3.7	3.7, 3.8, 3.9, 4, 4.1, 4.2, 4.3 Or higher
	Processor Turbo Frequency (GHz)	4.3	*
	Processor Description	Intel Xeon W Series	Intel Xeon W Series, Intel Xeon Bronze Series, Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher
	Processor Number	Intel Xeon W-3225	Intel Xeon W-2175, Intel Xeon W-2195, Intel Xeon W-3225, Intel Xeon W-3235, Intel Xeon W-3245, Intel Xeon W-3245M, Intel Xeon W-3265, Intel Xeon W-3265M, Intel Xeon W-3275, Intel Xeon W-3275M, Intel Xeon W-2235, Intel Xeon W-2255, Intel Xeon W 10855M, Intel Xeon W 10885M, Intel Xeon W 1290P, Intel Xeon W 1290, Intel Xeon W 1270P, Intel Xeon W 1270, Intel Xeon W 1250P, Intel Xeon W 1250 Or higher
	Number of sockets available on the motherboard	1	*
	Number of Sockets populated with the Processors	1	1, 2 Or higher
	Cache (MB)	16.5	16.5 - 64.0 Or higher

	Out of Band Management	Intel vPro	*
Type	Form Factor	Desktop	Desktop
Motherboard	Chipset Number	Intel C622	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)	3	*
	Expansion Slots (PCIe x 8) (Number)	1	*
	Expansion Slots (PCIe x 16) (Number)	2	*
	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 4000 8GB	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 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,Redhat Linux,Suse Linux	*
Applications	Applications Compatible with the Workstation (Requisite document may be furnished as and when demanded by the buyer)	Avid Media Composer,Dassault Systèmes SolidWorks,Dassault Systèmes CATIA,PTC Creo,Siemens NX	*

Memory	RAM Type	DDR4	*
	RAM Speed (MHz)	2666	*
	Type of Memory	ECC	*
	RAM Size (GB)	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	2	*
	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	PCIe	PCIe
	Number of Drives	1	*
	RAID for Operating System	NA	NA
	Capacity of each Drive (GB)	512	512, 600, 768, 800, 900, 1000, 1024, 1200, 1800, 2000, 2048, 4000, 4096, 8000, 6000 Or higher
Secondary Storage	Type of Drives used to populate the Internal Bays	SATA	SATA
	Total number of Internal Bays available for SATA Drive	2	*
	Number of Internal Bays populated with SATA Drive	1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	Each SATA Drive Capacity (GB)	2000	2000, 4000, 8000, 6000 Or higher
	Speed of each SATA Drive (RPM)	7200	*
	Total SATA Drive Capacity (GB)	2000	2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000 Or higher
	Total number of Internal Bays available for SAS Drive	0	*

		Number of Internal Bays populated with SAS Drive	0	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
		Capacity of each SAS Drive (GB)	0	300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher
		Speed of each SAS Drive (RPM)	0	*
		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	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
		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	6		6, 7, 8, 10 Or higher
	Speed of RAID Controller Ports (Gbps)	6		6, 12 Or higher
	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

Ports	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
	Number of USB Version 2 Point 0 Ports	0	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	10	*
	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	0	*
	Number of Mini DP Ports	0	*
	Number of DP Ports	3	*
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 Or higher
	Panel Technology	IPS	IPS, OLED Or higher
	Display Resolution (Pixels)	1920 x 1200	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	99% sRGB	*
	Monitor Stand	Height Adjustable	*
Power	Maximum Power	1000	*

	(Watts)		
	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	NA	*
	Type of Keyboard in case of Mobile Workstation	NA	*
Generic	Optical Drive	-	*
	Number of External Bays	2	*
	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	No	*
	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	*
	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	*****	*****TIRUVALLUR	1	90

Bid Specific Additional Terms and Conditions

1. 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 7 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.
2. 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)

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

---Thank You---