

### Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 12:00:00
Bid Opening Date/Time	24-07-2020 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Human Resource Development
Department Name	Department Of Higher Education
Organisation Name	Indian Institute Of Technology (iit)
Office Name	North Zone Roorkee
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	Certificate (Requested in ATC), 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
----------	----

### ePBG Detail

Required	No
----------	----

### Splitting

Bid splitting not applied.

**Workstation ( 1 pieces )****Technical Specifications**

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	<b>Processor Make</b>	Intel	Intel, AMD
	<b>Processor Generation</b>	NA	7, 8, 9, NA, 10 Or higher
	<b>Number of Cores per Processor</b>	20	*
	<b>Processor Base Frequency (GHz)</b>	2.1	*
	Processor Turbo Frequency (GHz)	3.9	*
	<b>Processor Description</b>	Intel Xeon Gold Series	*
	<b>Processor Number</b>	Intel Xeon Gold 6230	*
	Number of sockets available on the motherboard	2	*
	<b>Number of Sockets populated with the Processors</b>	2	1, 2 Or higher
	<b>Cache (MB)</b>	27.5	1 - 64
	Out of Band Management	Intel vPro	*
Type	<b>Form Factor</b>	Desktop	Mobile - Standard, Mobile - Detachable, Mobile - Convertible, Mobile - Ultra Small Form Factor, Desktop, Rack - 1U, Rack - 2U
Motherboard	<b>Chipset Number</b>	Intel C621	*
	Expansion Slots (PCIe x 1) (Number)	0	*
	Expansion Slots (PCIe x 4) (Number)	1	*
	Expansion Slots (PCIe x 8) (Number)	1	*
	Expansion Slots (PCIe x 16) (Number)	3	*
	Expansion Slots (PCI) (Number)	1	*

Graphics	<b>Graphics Type</b>	Dedicated/Discrete	Integrated, Dedicated/Discrete
	<b>Number of Graphic Cards</b>	1	0, 1, 2, 3, 4 Or higher
	<b>Graphic Card Description</b>	nVIDIA Quadro P2000 5GB	*
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional 64 bit	Windows 10 Professional 64 bit, Ubuntu Linux, Redhat Linux, DOS
	Recovery Image Media	NA	*
	OS Certification	Windows, 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 Premiere Pro CS/CC	*
Memory	RAM Type	DDR4	*
	RAM Speed (MHz)	2666	*
	Type of Memory	ECC RDIMM	*
	<b>RAM Size (GB)</b>	256	*
	Total Numbers of DIMM Slots Available	12	*
	Number of DIMM Slots Populated	4	*
	<b>RAM Expandability upto using spare DIMM Slots (GB)</b>	768	*
Primary Storage /Boot Drive	<b>Type of Drives used to populate the internal Bays</b>	SSD	SATA, SAS, SSD, PCIe, NA
	Number of Drives	1	*
	<b>RAID for Operating System</b>	0	0, 1, NA
	<b>Capacity of each Drive (GB)</b>	512	*
Secondary Storage	<b>Type of Drives used to populate the Internal Bays</b>	SATA	SATA, SAS, SSD, PCIe, NA
	Total number of Internal Bays available for SATA Drive	4	*
	<b>Number of Internal Bays populated with</b>	1	*

	<b>SATA Drive</b>		
	<b>Each SATA Drive Capacity (GB)</b>	4000	500, 1000, 2000, 4000, 8000, 0, 6000 Or higher
	Speed of each SATA Drive (RPM)	7200	*
	<b>Total SATA Drive Capacity (GB)</b>	4000	*
	Total number of Internal Bays available for SAS Drive	0	*
	<b>Number of Internal Bays populated with SAS Drive</b>	0	*
	<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	*
	<b>Capacity of each SSD Drive (GB)</b>	512	128, 256, 512, 1024, 2048, 800, 0 Or higher
	<b>Total SSD Capacity (GB)</b>	512	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	*
	<b>Number of RAID</b>	8	2, 3, 4, 5, 6, 7, 8, 10, 0

	<b>Controller Ports</b>		Or higher
	<b>Speed of RAID Controller Ports (Gbps)</b>	6	6, 12, 0 Or higher
	RAID Controller Cache (GB)	0	*
Connectivity	Type of Ethernet Ports	Dual Gigabit NIC 10/100/1000	*
	<b>Number of Ethernet Ports</b>	2	1, 2, 3, 4, 6 Or higher
	<b>Wireless Connectivity</b>	Yes	Yes, No Or higher
	<b>If Yes, Type of Wireless Connectivity</b>	Wi-Fi 802.11ac	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA Or higher
	<b>Bluetooth Connectivity</b>	Yes	Yes, No Or higher
	<b>If Yes, Version of Bluetooth Available</b>	4.2	4, 4.1, 4.2, 5, 0 Or higher
Ports	Number of USB Version 2 Point 0 Ports	2	*
	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	0	*
	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	Integrated, Monitor, NA
	<b>Display Size (cm)</b>	68- 71	*
	<b>Display Type</b>	Non Touch	Non Touch, Touch, NA Or higher
	<b>Panel Type</b>	Flat	Flat, Curved, NA Or higher
	<b>Panel Technology</b>	IPS	IPS, TN, VA, OLED, NA Or higher
	<b>Display Resolution (Pixels)</b>	3840 x 2160	*
	LED Backlit	Yes	*

	TCO Compliance for Monitor	TCO 07	*
	Colour Gamut	72% Color Gamut	*
	Monitor Stand	Standard	*
	Power		
	Maximum Power (Watts)	900	*
	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	*
	Keyboard Connectivity, if available	Wired	*
	Type of Keyboard, if available	Standard	*
	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	Standard 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)	35	*
	Maximum Operating Humidity (%RH)	90	*
Warranty	Battery Warranty in case of Mobile Workstation	0	*
	<b>On Site OEM Warranty (Year)</b>	3	1, 2, 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	Mohd Ashraf Iqbal	247667,INDIAN INSTITUTE OF TECHNOLOGY ROORKEE, ROORKEE	1	40

### Bid Specific Additional Terms and Conditions

1. 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.

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

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