

Bid Document

Bid Details	
Bid End Date/Time	18-01-2019 18:00:00
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 Production And Supply
Organisation Name	Hindustan Aeronautics Limited (hal)
Office Name	Engine Division Bangalore
Total Quantity	50
Item Category	Desktop Computers
Experience with Gov. Required	3 Year (s)
MSE Exemption For Years Of Experience And Turnover	Yes

Desktop Computers (50)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
Processor	Processor Make	Intel	Intel
	Processor Generation	8	8.0 Or higher
	Number of Cores per Processor	6	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	3.2	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 Description	Intel Core i7	Intel Core i7 Or higher
	Processor Number	Intel Core i7 8700	Intel Core i7 8700, Intel Core i7 8700K Or higher
	Out of Band Management	NA	*

	Cache (MB)	12	*
Motherboard	Chipset Series	Intel H Series	Intel H Series, Intel B Series, Intel Q Series Or higher
	Chipset Number	Intel H370	Intel H110, Intel H270, Intel H310, Intel H370, Intel B250, Intel B360, Intel Q 250, Intel Q 270, Intel Q 370 Or higher
	Expansion Slots (PCIe x 1) (Number)	1	*
	Expansion Slots (PCIe x 4) (Number)	0	*
	Expansion Slots (PCIe x 16) (Number)	1	*
	Expansion Slots (PCI) (Number)	1	*
	Expansion Slots (M Dot 2)	2	*
Graphics	Graphics Type	Integrated	*
	Graphic Card Description	-	*
	Size of Memory in Case of Dedicated Graphic Card (GB)	0	*
	Size of VRAM in case of Integrated Graphics (MB)	-	*
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional	Windows 10 Professional
	Recovery Image Media	-	*
	OS Certification	Windows	*
Memory	Type of RAM	DDR4	*
	RAM Size (GB)	8	8, 16, 32, 64 Or higher
	RAM Speed (MHz)	2666	*
	Total Numbers of DIMM Slots Available	2	*
	Number of DIMM Slots populated	1	*
	RAM Expandability up to(using spare DIMM Slots in GB)	32	8, 16, 32, 64, 0 Or higher
Storage	Total Number of Internal Bays available	2	*

	Number of 2 point 5 inches internal Bays	0	*
	Number of 3 point 5 inches Internal Bays	2	*
	Number of 2 point 5 Inches Internal Bays Populated	0	*
	Number of 3 point 5 Inches Internal Bays Populated	1	*
	Type of Drives used to populate the Internal Bays	HDD	HDD, SSD, SSHD, SSED
	Number of Internal Bays populated with HDD	1	*
	Capacity of each HDD (GB)	1000 @7200 rpm	*
	Total HDD Capacity (GB)	1000	1000, 1500, 2000, 2500, 3000 Or higher
	Number of Internal Bays populated with SSD	0	*
	Capacity of each SSD (GB)	0	*
	Total SSD Capacity (GB)	0	128, 256, 384, 512, 768, 0 Or higher
	Number of Internal Bays populated with SSHD	0	*
	Capacity of each SSHD (GB)	NA	*
	Total SSHD Capacity in addition to 8 GB Flash (GB)	0	500, 1000, 2000, 0 Or higher
	Optane Memory (GB)	0	*
Cabinet	Cabinet Form Factor	Tower (13.1 to 26 Litres)	SFF (7 to 13 Litres), Tower (13.1 to 26 Litres)
	Cabinet Volume (Litres)	-	*
	External Bays (Number)	1	*
	Optical Drive	DVD ROM	*
	Internal Speaker	Yes	*
	Audio-in	Yes	*
	Audio-out	Yes	*

Connectivity	Headphone out	Yes	*
	Microphone-in	Yes	*
	Wireless Connectivity	No	*
	If Yes, Type of Wireless Connectivity	NA	*
	Number of Ethernet Ports	1	*
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port	*
	Bluetooth Connectivity	No	*
Ports	If Yes, Version of Bluetooth Available	0	*
	Number of USB Version 2 Point 0 Ports	4	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	4	*
	Number of USB Version 3 point 1, Gen 2 Ports	0	*
	Number of USB Type C Ports	0	*
	Number of Serial Ports	1	*
	Number of Parallel Ports	0	*
	Number of VGA Ports	1	*
	Number of HDMI Ports	1	*
	Number of DP Ports	0	*
Monitor	Model of the Monitor	-	*
	Monitor Technology	IPS	IPS, TN, VA Or higher
	LED Backlit Monitor Size (INCHES)	18.5	18.5, 19.5, 21.5, 22, 23, 24, 27 Or higher
	Monitor Resolution (PIXELS)	1920x1080	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160 Or higher
	TCO Certification for Monitor	-	*
	Number of VGA Ports in the Monitor	1	*
	Number of HDMI Ports in the Monitor	1	*
	Number of Display Ports in the Monitor	0	*
	Availability of Webcam integrated with Monitor	No	*

	If Yes, Resolution of Webcam	NA	*
	Availability of Speakers integrated with Monitor	No	*
	If Yes, Number of Speakers available	0	*
Power	Power Supply Capacity (Watt)	-	*
	Minimum Power Efficiency Range (%)	90 - 94	*
Certification	ROHS Compliance	Yes	*
	BEE / Energy Star for the given Model	Yes	*
Input Devices	Mouse Connectivity	Wired	*
	Type of Mouse	Optical Scroll	*
	Keyboard Connectivity	Wired	*
	Type of Keyboard	Standard	*
Operating Conditions	Minimum Operating Temperature	5	*
	Maximum Operating Temperature	50	*
	Minimum Operating Humidity (%RH)	10	*
	Maximum Operating Humidity (%RH)	90	*
Warranty	On Site OEM Warranty (Year)	3	3, 5 Or higher

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	P Udaya Bhaskar Reddy	560093,HINDUSTAN AERONAUTICS LIMITED ENGINE DIVISION POST BAG 9310 OLD MADRAS ROAD C V RAMAN NAGAR POST BANGALORE	50	45

EMD Detail

Required	No
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ePBG Detail

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Required	No
<p>Splitting</p> <p>Bid splitting not applied.</p> <p>Special terms and conditions for category Desktop Computers</p> <p>1) As per notification of MEITY circulated vide letter no. F.No.33(1)/2017-IPHW..dated :14/09/2017, the minimum local content should be 45.percent to qualify as local or domestic manufacturer.\n\nSeller has to ensure that operating system software etc comes preloaded with machine from respective OEM . Any deviation in respect of genuinity and authenticity of OS will attract severe penalty on part of seller as law of the land and contractual provisions. Buyer are also requested to verify the key no of OS etc with server of Microsoft/Linux before accepting machines to avoid complexity at latter stage.</p> <p>Buyer Specific Additional Terms and Conditions</p> <ol style="list-style-type: none"> 1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods 2. Purchase preference will be given to MSME and Startup (Local supplier) : (if L-1 is not from selected category and 4 / 5 Seller (s) from selected category has/have quoted price within L-1 + Local Supplier as defined in Public Procurement (Preference to Make in India - 20%), Order 2017 and its subsequent Orders / Notifications issued by concerned Nodal Ministry for specific Goods/ Products % of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and award contract for percentage of total value as defined/ decided in relevant policy) Local Supplier as defined in Public Procurement (Preference to Make in India - 20%), Order 2017 and its subsequent Orders / Notifications issued by concerned Nodal Ministry for specific Goods/ Products <p>This Bid is also governed by the General Terms and Conditions</p> <p>---Thank You---</p>	