

Bid Document

Bid Details	
Bid End Date/Time	18-01-2019 09:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	15 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence
Organisation Name	N/a
Office Name	2 Mech Inf
Total Quantity	3
Item Category	Desktop Computers , Desktop Computers , Multifunction Machines
MSE Exemption For Years Of Experience And Turnover	No

Desktop Computers (1)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
Processor	Processor Make	Intel	Intel, AMD
	Processor Generation	8	7, 8 Or higher
	Number of Cores per Processor	4	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	3.6	*
	Processor Description	Intel Core i3	*
	Processor Number	Intel Core i3 8100	*
	Out of Band Management	NA	*
	Cache (MB)	6	*
Motherboard	Chipset Series	Intel H Series	Intel H Series, Intel B

			Series, Intel Q Series, AMD B 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, AMD B350 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)	0	*
	Expansion Slots (M Dot 2)	1	*
Graphics	Graphics Type	Integrated	*
	Graphic Card Description	Intel Integrated	*
	Size of Memory in Case of Dedicated Graphic Card (GB)	0	*
	Size of VRAM in case of Integrated Graphics (MB)	0	*
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Home	Windows 10 Professional, Linux, DOS, Windows 10 Home, Windows 10 Professional under Microsoft Shape the Future Program
	Recovery Image Media	Stored in Partition of the Hard Disk	*
	OS Certification	Windows	*
Memory	Type of RAM	DDR4	*
	RAM Size (GB)	4	4, 8, 16, 32, 64 Or higher
	RAM Speed (MHz)	2400	*
	Total Numbers of DIMM Slots Available	2	*
	Number of DIMM Slots populated	1	*
	RAM Expandability up to(using spare	32	8, 16, 32, 64, 0 Or higher

	DIMM Slots in GB)		
Storage	Total Number of Internal Bays available	1	*
	Number of 2 point 5 inches internal Bays	0	*
	Number of 3 point 5 inches Internal Bays	1	*
	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	500, 1000, 1500, 2000, 2500, 3000, 0 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
	Number of Internal Bays populated with SSED	0	*
	Capacity of each SSED (GB)	0	*
	Total SSED Capacity (GB)	0	*
	Optane Memory (GB)	0	*

Cabinet	Cabinet Form Factor	SFF (7 to 13 Litres)	SFF (7 to 13 Litres), Tower (13.1 to 26 Litres)
	Cabinet Volume (Litres)	7.8	*
	External Bays (Number)	1	*
	Optical Drive	DVD R/W	*
	Internal Speaker	No	*
	Audio-in	Yes	*
	Audio-out	Yes	*
	Headphone out	Yes	*
	Microphone-in	Yes	*
Connectivity	Wireless Connectivity	Yes	*
	If Yes, Type of Wireless Connectivity	Wi-Fi 802.11b/g/n	*
	Number of Ethernet Ports	1	*
	Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port	*
	Bluetooth Connectivity	Yes	*
	If Yes, Version of Bluetooth Available	4.1	*
Ports	Number of USB Version 2 Point 0 Ports	4	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	2	*
	Number of USB Version 3 point 1, Gen 2 Ports	0	*
	Number of USB Type C Ports	0	*
	Number of Serial Ports	0	*
	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	E2016H	*
	Monitor Technology	TN	IPS, TN, VA Or higher
	LED Backlit Monitor Size (INCHES)	19.5	18.5, 19.5, 21.5, 22, 23, 24, 27 Or higher
	Monitor Resolution (PIXELS)	1600 x 900	1366x768, 1440 x 900, 1600 x 900,

			1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160 Or higher
	TCO Certification for Monitor	7.0	*
	Number of VGA Ports in the Monitor	1	*
	Number of HDMI Ports in the Monitor	0	*
	Number of Display Ports in the Monitor	1	*
	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)	200	*
	Minimum Power Efficiency Range (%)	85 - 89	*
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 with Rupee Symbol	*
Operating Conditions	Minimum Operating Temperature	10	*
	Maximum Operating Temperature	35	*
	Minimum Operating Humidity (%RH)	20	*
	Maximum Operating Humidity (%RH)	80	*
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	Mukesh Kumar Barala	145001,MECH INF c/o 56 APO PIN-911702	1	15

Desktop Computers (1)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
Processor	Processor Make	Intel	Intel, AMD
	Processor Generation	8	7, 8 Or higher
	Number of Cores per Processor	4	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	3.6	*
	Processor Description	Intel Core i3	*
	Processor Number	Intel Core i3 8100	*
	Out of Band Management	NA	*
	Cache (MB)	6	*
Motherboard	Chipset Series	Intel H Series	Intel H Series, Intel B Series, Intel Q Series, AMD B 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, AMD B350 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	UHD 630	*
	Size of Memory in Case of Dedicated Graphic Card (GB)	0	*
	Size of VRAM in case of Integrated Graphics (MB)	128	*
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional	Windows 10 Professional, Linux, DOS, Windows 10 Home, Windows 10 Professional under Microsoft Shape the Future Program
	Recovery Image Media	On Line / Cloud	*
	OS Certification	Windows	*
Memory	Type of RAM	DDR4	*
	RAM Size (GB)	4	4, 8, 16, 32, 64 Or higher
	RAM Speed (MHz)	2400	*
	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	1	*
	Number of 3 point 5 inches Internal Bays	1	*
	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	1000 @7200 rpm	*

	(GB)		
	Total HDD Capacity (GB)	1000	500, 1000, 1500, 2000, 2500, 3000, 0 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
	Number of Internal Bays populated with SSED	0	*
	Capacity of each SSED (GB)	0	*
	Total SSED Capacity (GB)	0	*
	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)	15.76	*
	External Bays (Number)	1	*
	Optical Drive	DVD R/W	*
	Internal Speaker	Yes	*
	Audio-in	Yes	*
	Audio-out	Yes	*
	Headphone out	Yes	*
Microphone-in	Yes	*	
Connectivity	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	*
	If Yes, Version of Bluetooth Available	0	*
Ports	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	N220	*
	Monitor Technology	IPS	IPS, TN, VA Or higher
	LED Backlit Monitor Size (INCHES)	21.5	18.5, 19.5, 21.5, 22, 23, 24, 27 Or higher
	Monitor Resolution (PIXELS)	1920x1080	1366x768, 1440 x 900, 1600 x 900, 1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160 Or higher
	TCO Certification for Monitor	7.0	*
	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)	180	*
	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	0	*
	Maximum Operating Temperature	40	*
	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	Mukesh Kumar Barala	145001,MECH INF c/o 56 APO PIN-911702	1	15

Multifunction Machines (1)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Allowed Values
Ungrouped	Type of Machine	Multifunction Machine	*
	Print Technology	Inkjet	Inkjet, Laser
	Cartridge Technology	Ink	With Composite Cartridge, With Separate Drum and Toner, Ink

Type of Printing	Colour	Mono, Colour
Platen/Flatbed Size	A4	A3, A4, Legal
Paper Size (Original/Image)	A4/A4	A3/A3, A4/A4, Legal/Legal
RAM size (MB)	1.1	*
Hard Disk Capacity(GB)	0	Any applicable numeric value
Minimum Speed per Minute in A4 Size-Mono (PPM)	33	Any applicable numeric value
Minimum Speed per Minute in A4 Size-Colour (PPM)	20	Any applicable numeric value
Minimum Speed per Minute in A3 Size-Mono(PPM)	0	*
Minimum Speed per Minute in A3 Size-Colour(PPM)	0	*
Scanning Feature Availability	Yes	Yes, No
Duplexing Feature Availability	Yes	Yes, No
Networking Feature Availability	Yes	Yes, No
If yes, Network Interface	Ethernet 10/100	*
Faxing Feature Availability	Yes	Yes, No
Speed of Fax, If Fax Feature is available	33.6 kbps	*
Original Feed Type	ADF	Platen, ADF, DADF/RADF, SPDF
Feeder Capacity (Number)	30	*
Wi-Fi Capability	Yes	Yes, No
If yes,Wi-Fi Type	Wi fi 802.11 b/g/n & Wi Fi Direct	*
Number of Main Tray(Number)	1	250, 500, 150 Or higher
Total Main Tray Capacity	250	*
Bypass Facility	No	*
Bypass Tray Capacity	0	*
Yield of the	6000 FOR COLOUR	*

cartridge/Ink Tank/Ink Pack (for C, M, Y & K individually) supplied with Machine(Number of prints)	AND 7500 FOR	
Life of Drum in terms of number of Prints in case of Separate Drum and Toner cartridge technology(Number of Prints)	0	*
Duty Cycle/Month (Number of Prints)	50000	*
BIS Registration under CRS of Meity	Yes	*
BIS Registration Number	-	*
Operating Temperature Range (Degree C)	35	*
Operating Humidity (%RH)	20-80	*
On Site OEM Warranty (Year)	1	1, 2, 3, 4, 5

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Mukesh Kumar Barala	145001,MECH INF c/o 56 APO PIN-911702	1	15

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

Special terms and conditions for category Desktop Computers

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.

Buyer Specific Additional Terms and Conditions

- 1. Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- 2. Procurement under this bid is reserved for purchase from :** Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category.
- 3. 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 + Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category (Preference to MSME - 15%) % 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) Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category (Preference to MSME - 15%)
- 4. Inspection charges shall be borne by the supplier and it shall not be reimbursed by indenter to them at any point in time. Cost of inspection shall be factored in by the supplier in the cost of the product itself while submitting bid. The inspection agency will conduct the inspection and submit the certificate to the supplier as well as the buyers and consignees. The bidder will be solely responsible for pre-inspected material for Quality Assurance including pre-despatch inspection/ testing at manufacturer's site by Bureau Veritas (India) Pvt. Ltd.,NITRA**

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

---Thank You---