

### Bid Document

Bid Details	
Bid End Date/Time	04-02-2019 11:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Southern Railway
Total Quantity	4
Item Category	Desktop Computers
MSE Exemption For Years Of Experience And Turnover	Yes

### Desktop Computers ( 4 )

#### Technical Specifications

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

Specification	Specification Name	Values	Allowed Values
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	8	7.0, 8.0 Or higher
	<b>Number of Cores per Processor</b>	6	2, 4, 6, 8 Or higher
	<b>Processor Base Frequency (GHz)</b>	2.8	*
	<b>Processor Description</b>	Intel Core i5	Intel Core i5, Intel Core i7 Or higher
	<b>Processor Number</b>	Intel Core i5 8400	*
	Out of Band Management	NA	*
	Cache (MB)	9	*
Motherboard	<b>Chipset Series</b>	Intel H Series	Intel H Series, Intel B Series, Intel Q Series Or

			higher
	<b>Chipset Number</b>	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)	0	*
	Expansion Slots (M Dot 2)	1	*
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	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional	Windows 10 Professional
	Recovery Image Media	-	*
	OS Certification	Windows	*
Memory	Type of RAM	DDR4	*
	<b>RAM Size (GB)</b>	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	*
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	32	8, 16, 32, 64, 0 Or higher
Storage	Total Number of Internal Bays available	1	*
	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	*
<b>Type of Drives used to populate the Internal Bays</b>	HDD	HDD, SSD, SSHD, SSED
Number of Internal Bays populated with HDD	1	*
Capacity of each HDD (GB)	1000 @7200 rpm	*
<b>Total HDD Capacity (GB)</b>	1000	1000, 1500, 2000, 2500, 3000 Or higher
Number of Internal Bays populated with SSD	0	*
Capacity of each SSD (GB)	0	*
<b>Total SSD Capacity (GB)</b>	0	128, 256, 384, 512, 768, 0 Or higher
Number of Internal Bays populated with SSHD	0	*
Capacity of each SSHD (GB)	NA	*
<b>Total SSHD Capacity in addition to 8 GB Flash (GB)</b>	0	500, 1000, 2000, 0 Or higher
Optane Memory (GB)	0	*
Cabinet	<b>Cabinet Form Factor</b>	SFF ( 7 to 13 Litres) Tower (13.1 to 26 Litres)
	Cabinet Volume (Litres)	-
	External Bays (Number)	1
	Optical Drive	DVD R/W
	Internal Speaker	No
	Audio-in	Yes
	Audio-out	Yes
	Headphone out	Yes

Connectivity	Microphone-in	Yes	*
	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	*
Ports	If Yes, Version of Bluetooth Available	4.1	*
	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	-	*
	<b>Monitor Technology</b>	TN	IPS, TN, VA Or higher
	<b>LED Backlit Monitor Size (INCHES)</b>	19.5	19.5, 21.5, 22, 23, 24, 27 Or higher
	<b>Monitor Resolution (PIXELS)</b>	1600 x 900	1366x768, 1440 x 900, 1600 x 900, 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	0	*
	Number of Display Ports in the Monitor	1	*
	Availability of Webcam	No	*

	integrated with Monitor		
	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 (%)	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	<b>On Site OEM Warranty (Year)</b>	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	JINESH MOHAN	636005,Office of the Assistant Materials Manager DRM Office Salem Division Salem	4	15

#### EMD Detail

Required	No
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#### ePBG Detail

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Required	No
<p><b>Splitting</b></p> <p>Bid splitting not applied.</p> <p><b>Special terms and conditions for category Desktop Computers</b></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><b>Buyer Specific Additional Terms and Conditions</b></p> <ol style="list-style-type: none"> <li><b>1. Scope of supply (Bid price to include all cost components) :</b> Supply Installation Testing and Commissioning of Goods</li> <li><b>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 + 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%)</b></li> </ol> <p><a href="#">This Bid is also governed by the General Terms and Conditions</a></p> <p><b>---Thank You---</b></p>	