

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 10:00:00
Bid Opening Date/Time	23-07-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Puducherry
Department Name	Higher And Technical Education Department Puducherry
Organisation Name	N/a
Office Name	Pillaichavady
Total Quantity	1
Item Category	Laptop-Notebook
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Bid to RA enabled	Yes
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

### Laptop-Notebook ( 1 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Construction	<b>Form Factor</b>	Standard	Standard, Convertible, Detachable
	Chassis Material	Alluminium	*
	Hinges	Metallic	*
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	8	8.0 Or higher
	<b>Number of Cores per Processor</b>	4	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	1.8	*
	<b>Processor Description</b>	Intel Core i7	Intel Core i7, Intel Core i9 Or higher
	<b>Processor Number</b>	Intel Core i7 8565U	Intel Core i7 8550U, Intel Core i7 8559U, Intel Core i7 8650U, Intel Core i7 8650H, Intel Core i7 8750H, Intel Core i7 8850H, Intel Core i7 8565U, Intel Core i7 8665U, Intel Core i7 9750H, Intel Core i7 9850H, Intel Core i9, Turbo Boost up to 4.8GHz, with 16MB shared L3 cache, Intel Core i9-9880H, Intel Core i7, Turbo Boost up to 4.5GHz, with 12MB shared L3 cache, Intel Core i9 9980HK, Intel Core i9 8950HK, Intel Core i7 8569U Or higher
	Out of Band Management	NA	*
	Cache (MB)	8	*
Motherboard	Expansion Slots (M Dot 2)	1	*
Graphics	Graphics Type	Dedicated/Discrete	*
	Graphic Card Description	-	*
	<b>Size of Memory in Case of Dedicated</b>	2	2, 3, 4, 6 Or higher

	<b>Graphic Card (GB)</b>		
	Size of VRAM in case of Integrated Graphics (MB)	-	*
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	DOS	Windows 10 Professional, DOS
	Recovery Image Media	-	*
	<b>OS Certification</b>	Windows	Windows, Linux, Mac OS, NA
Memory	Type of RAM	DDR4	*
	<b>RAM Size (GB)</b>	32	32 Or higher
	RAM Speed (MHz)	2400	*
	Total Numbers of DIMM Slots Available	2	*
	Number of DIMM Slots populated	2	*
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	32	8, 16, 32, 0 Or higher
Storage	<b>Type of Drives used to populate the Internal Bays</b>	HDD,SSD	HDD, SSD, SSHD, SSED, PCIe SSD
	Number of Internal Bays populated with HDD	1	*
	Capacity of each HDD (GB)	1000 @5400 rpm	*
	<b>Total HDD Capacity (GB)</b>	1000	1000, 1500, 2000, 2500, 3000 Or higher
	Number of Internal Bays populated with SSD	1	*
	<b>Capacity of each SSD (GB)</b>	512	128, 256, 512, 1024, 2048, 0
	<b>Total SSD Capacity (GB)</b>	512	128, 256, 384, 512, 768, 1024, 1280, 2048, 4096, 0 Or higher
	Number of Internal Bays populated with SSHD	0	*
	<b>Capacity of each SSHD (GB)</b>	NA	8 GB Flash + 500 GB @5400 rpm, 8 GB Flash + 1000 GB @5400 rpm, 8 GB Flash + 2000 GB @5400 rpm, NA Or higher

	<b>Total SSHD Capacity in addition to 8 GB Flash (GB)</b>	0	500, 1000, 1500, 0 Or higher
	Optane Memory (GB)	0	*
Connectivity	<b>Wireless Connectivity</b>	Yes	Yes, No
	If Yes, Type of Wireless Connectivity	Wi-Fi 802.11ac	*
	Number of Ethernet Ports	1	*
	If available, Type of Ethernet Ports	10/100/1000 on board Integrated Gigabit Port	*
	<b>Bluetooth Connectivity</b>	Yes	Yes, No
	If Yes, Version of Bluetooth Available	5	*
Ports	Number of USB Version 2 Point 0 Ports	1	*
	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	1	*
	Number of Serial Ports	0	*
	Number of VGA Ports	0	*
	Number of HDMI Ports	1	*
	Number of DP Ports	0	*
	Number of Thunderbolt Port	-	*
Display	<b>Display Size (Inch)</b>	15.6	15.4, 15.6, 16 Or higher
	<b>Display Type</b>	-	Non Touch, Touch Or higher
	Display Technology	LED HD Backlit Antiglare	*
	<b>Panel Technology</b>	IPS	IPS, TN, VA Or higher
	<b>Display Resolution (Pixels)</b>	1920x1080	*
	<b>Availability of Webcam integrated with Display</b>	Yes	Yes, No
	<b>If Yes, Resolution of Webcam</b>	HD	VGA, HD, FHD, NA Or higher

Miscellaneous	<b>Infra Red Webcam</b>	No	Yes, No
	<b>Optical Drive</b>	NA	Integrated, External, NA Or higher
	Type of Optical Drive	N/A	*
	<b>Internal Speaker (Dual)</b>	Yes	Yes, No
	Audio-in	No	*
	Audio-out	No	*
	Headphone out	Yes	*
	Microphone-in	Yes	*
	Type of Keyboard	Standard	*
	Backlit Keyboard	Yes	*
	Spill Resistant Keyboard	Yes	*
	Pointing Device/Touchpad	Touchpad with multi-touch gestures enabled	*
	Finger Print Reader	Yes	*
	Hardware Trusted Platform Enabled	Yes	*
	<b>Carry Case</b>	Yes	Yes
	If Yes, Type of Carry Case	Back Pack	*
	Security Lock Slot	Yes	*
	If Yes,Availability of Cable Lock	No	*
	Weight (Including Battery) (Kilogram)	2	*
Power	Battery Type	-	*
	Battery Chemistry	Li - Polymer	*
	Battery Capacity (Watt Hour)	45	*
	Battery Backup Time (Hours)	12	*
Certification	BIS Registration under CRS of Meity	Yes	*
	BIS Registration Number and its validity	-	*
	BEE / Energy Star for the given Model	Yes	*
	ROHS Compliance	Yes	*
	Other Certifications available	-	*

Operating Conditions	Minimum Operating Temperature	0	*
	Maximum Operating Temperature	35	*
	Minimum Operating Humidity (%RH)	10	*
	Maximum Operating Humidity (%RH)	90	*
Warranty	<b>Battery Warranty</b>	3	3, 4 Or higher
	<b>On Site OEM Warranty (Year)</b>	3	1, 3, 5, 4

\* 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	Sivaradje	605014,The Principal Pondicherry Engineering College Pillaichavady	1	20

### Special terms and conditions for category Laptop-Notebook

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 40 percent to qualify as local or domestic manufacturer.

### Bid Specific Additional Terms and Conditions

1. Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

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

---Thank You---