

Bid Document

Bid Details	
Bid End Date/Time	29-06-2020 16:00:00
Bid Opening Date/Time	2020-06-29 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Pmo
Department Name	Department Of Space
Organisation Name	Isro
Office Name	Human Space Flight Centre
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	No
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	Form Factor	Standard	Standard
	Chassis Material	CNC Alluminium	*
	Hinges	Metallic	*
Processor	Processor Make	Intel	Intel
	Processor Generation	8	8.0 Or higher
	Number of Cores per Processor	4	4, 6, 8 Or higher
	Processor Base Frequency (GHz)	1.9	*
	Processor Description	Intel Core i7	Intel Core i7, Intel Core i9 Or higher
	Processor Number	Intel Core i7 8665U	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 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	-	*
	Size of Memory in Case of Dedicated Graphic Card (GB)	2	2, 3, 4, 6 Or higher
	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	Windows
Memory	Type of RAM	DDR4	*
	RAM Size (GB)	16	16, 32 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	32 Or higher
Storage	Type of Drives used to populate the Internal Bays	PCIe SSD	PCIe SSD
	Number of Internal Bays populated with HDD	0	*
	Capacity of each HDD (GB)	NA	*
	Total HDD Capacity (GB)	0	500, 1000, 1500, 2000, 2500, 3000, 0 Or higher
	Number of Internal Bays populated with SSD	1	*
	Capacity of each SSD (GB)	1024	1024
	Total SSD Capacity (GB)	1024	1024, 1280, 2048, 4096 Or higher
	Number of Internal Bays populated with SSHD	0	*
	Capacity of each SSHD (GB)	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
	Total SSHD Capacity in addition to 8 GB Flash (GB)	0	500, 1000, 1500, 0 Or higher
	Optane Memory (GB)	0	*
Connectivity	Wireless	Yes	Yes

	Connectivity		
	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	*
	Bluetooth Connectivity	Yes	Yes
	If Yes, Version of Bluetooth Available	5	*
	Number of USB Version 2 Point 0 Ports	0	*
	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	*
Ports	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	Display Size (Inch)	15.6	15.4, 15.6, 16 Or higher
	Display Type	-	Non Touch, Touch Or higher
	Display Technology	LED HD Backlit Antiglare	*
	Panel Technology	IPS	IPS Or higher
	Display Resolution (Pixels)	1920x1080	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 2304 x 1440, 2560 x 1600, 2736 x 1824, 2880 x 1800, 2256x1504, 3000x2000, 3240x2160, 3272 x 1920, 2880 x 1920, 3072 x 1920 Or higher
	Availability of Webcam integrated with Display	Yes	Yes

	If Yes, Resolution of Webcam	HD	HD, FHD Or higher
	Infra Red Webcam	Yes	Yes
Miscellaneous	Optical Drive	NA	Integrated, External, NA Or higher
	Type of Optical Drive	N/A	*
	Internal Speaker (Dual)	Yes	Yes
	Audio-in	Yes	*
	Audio-out	Yes	*
	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	*
	Carry Case	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)	1.78	*
Power	Battery Type	-	*
	Battery Chemistry	Li - ion	*
	Battery Capacity (Watt Hour)	56	*
	Battery Backup Time (Hours)	15	*
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	Battery Warranty	3	3, 4 Or higher
	On Site OEM Warranty (Year)	3	3

* 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	Praneed P N	560094,Anthariksh Bhavan, New BEL Road	1	30

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. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
3. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
4. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

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

---Thank You---