

Bid Document

Bid Details	
Bid End Date/Time	01-08-2020 10:00:00
Bid Opening Date/Time	01-08-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Science And Technology (dst)
Organisation Name	Indian Institute Of Astrophysics (iia)
Office Name	Bengaluru
Total Quantity	1
Item Category	Laptop-Notebook (PAC Only)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
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) (Under PAC)

Make	hp
Model	hp450g7i510210uwin10p8133mx1302gb15.6

Technical Specifications

* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel	Intel
	Processor Generation	10	10.0 Or higher
	Number of Cores per Processor	4	4, 6, 8 Or higher
	Processor Base Frequency (GHz)	1.6	*
	Processor Description	Intel Core i5	Intel Core i5, Intel Core i7, Intel Core i9 Or higher
	Processor Number	Intel Core i5 10210U	Intel Core i7 1060G7, Intel Core i7 1065G7, Intel Core i7 10510U, Intel Core i7 10710U, Intel Core i9 10980HK, Intel Core i9 10880H, Intel Core i7 10875H, Intel Core i7 10850H, Intel Core i7 10750H, Intel Core i5 10400H, Intel Core i5 10300H, Intel Core i7 10810U, Intel Core i7 10610U, Intel Core i5, Turbo Boost up to 3.8GHz, with 6MB shared L3 cache Or higher
	Out of Band Management	NA	*
	Cache (MB)	6	*
Construction	Form Factor	Standard	Standard
	Chassis Material	Alluminium	*
	Hinges	Metallic	*
Motherboard	Expansion Slots (M Dot 2)	1	*
Graphics	Graphics Type	Dedicated/Discrete	*
	Graphic Card Description	MX130 2 GB	*
	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)	0	*
Operating System	Operating System (Factory Pre-Loaded)	Windows 10 Professional	Windows 10 Professional
	Recovery Image Media	CD from the OEM / Stored in Partition of the Hard Disk / USB Drive from the OEM / On Line / Cloud	*
	OS Certification	Windows	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	32 Or higher
Storage	Type of Drives used to populate the Internal Bays	HDD	HDD
	Number of Internal Bays populated with HDD	1	*
	Capacity of each HDD (GB)	1000 @5400 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	0
	Total SSD Capacity (GB)	0	128, 256, 384, 512, 768, 1024, 1280, 2048, 4096, 0 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 Connectivity	Yes	Yes
	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	*
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	0	*	
Display	Display Size (Inch)	15.6	15.4, 15.6, 16 Or higher	
	Display Type	Non Touch	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	No	No	
Miscellaneous	Optical Drive	NA	Integrated, External, NA Or higher	
	Type of Optical Drive	N/A	*	
	Internal Speaker (Dual)	Yes	Yes	
	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	*	
	Carry Case	Yes	Yes	
	If Yes, Type of Carry Case	With Shoulder Strap	*	
	Security Lock Slot	Yes	*	
	If Yes, Availability of Cable Lock	No	*	
	Weight (Including Battery) (Kilogram)	2	*	
	Power	Battery Type	Integrated	*
		Battery Chemistry	Li - ion	*
Battery Capacity (Watt Hour)		45	*	
Battery Backup Time (Hours)		12	*	
Certification	BIS Registration under CRS of Meity	Yes	*	

	BIS Registration Number and its validity	R-41074926	*
	BEE / Energy Star for the given Model	Yes	*
	ROHS Compliance	Yes	*
	Other Certifications available	UL,CE,FCC	*
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	Vishnu Vardhan KP	560034,Indian Institute of Astrophysics 2nd block, Koramangala, Bangalore contact For order / contract details :080 22541234 For Receipt and acceptance : 080 22541340 For Bill processing : 080 22541283 For details of disbursement of payment : 080 22541239	1	15

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.The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.
Applicable Concessional rate of GST : 5%
Notification No.and date : 47/2017 dated 14/11/2017

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

---Thank You---