

### Bid Document

Bid Details	
Bid End Date/Time	23-07-2020 13:00:00
Bid Opening Date/Time	23-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Finance
Department Name	Department Of Financial Services
Organisation Name	Punjab National Bank (pnb)
Office Name	ltd Ho
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	<b>Form Factor</b>	Standard	Standard
	Chassis Material	CNC Alluminium	*
	Hinges	Metallic	*
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	10	10.0 Or higher
	<b>Number of Cores per Processor</b>	2	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	1.1	*
	<b>Processor Description</b>	Intel Core i3	Intel Core i3, Intel Core i5, Intel Core i7, Intel Core i9 Or higher
	<b>Processor Number</b>	Intel Core i3, Turbo Boost up to 3.2GHz, with 4MB L3 cache	Intel Core i3 1000G1, Intel Core i3 1000G4, Intel Core i3 10110U, Intel Core i3 1005G1, Intel Core i5 1030G4, Intel Core i5 1030G7, Intel Core i5 1035G1, Intel Core i5 10210U, Intel Core i5 1035G4, Intel Core i5 1035G7, 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 10310U, Intel Core i3, Turbo Boost up to 3.2GHz, with 4MB L3 cache, Intel Core i5, Turbo Boost up to 3.5GHz, with 6MB L3 cache, Intel Core i5, Turbo Boost up to 3.8GHz, with 6MB shared L3 cache Or higher
	Out of Band Management	NA	*

	Cache (MB)	4	*
Motherboard	Expansion Slots (M Dot 2)	0	*
Graphics	Graphics Type	Integrated	*
	Graphic Card Description	-	*
	<b>Size of Memory in Case of Dedicated Graphic Card (GB)</b>	0	0, 1, 2, 3, 4, 6 Or higher
	Size of VRAM in case of Integrated Graphics (MB)	-	*
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Mac OS Mojave	Mac OS Mojave
	Recovery Image Media	-	*
	<b>OS Certification</b>	Mac OS	Mac OS
Memory	Type of RAM	LPDDR4	*
	<b>RAM Size (GB)</b>	8	8, 16, 32 Or higher
	RAM Speed (MHz)	3733	*
	Total Numbers of DIMM Slots Available	0	*
	Number of DIMM Slots populated	0	*
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	0	8, 16, 32, 0 Or higher
Storage	<b>Type of Drives used to populate the Internal Bays</b>	SSD	SSD
	Number of Internal Bays populated with HDD	0	*
	Capacity of each HDD (GB)	NA	*
	<b>Total HDD Capacity (GB)</b>	0	500, 1000, 1500, 2000, 2500, 3000, 0 Or higher
	Number of Internal Bays populated with SSD	0	*
	<b>Capacity of each SSD (GB)</b>	256	256
	<b>Total SSD Capacity (GB)</b>	256	256, 384, 512, 768, 1024, 1280, 2048, 4096 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
	If Yes, Type of Wireless Connectivity	Wi-Fi 802.11ac	*
	Number of Ethernet Ports	0	*
	If available, Type of Ethernet Ports	NA	*
	<b>Bluetooth Connectivity</b>	Yes	Yes
	If Yes, Version of Bluetooth Available	5	*
Ports	Number of USB Version 2 Point 0 Ports	0	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	0	*
	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	0	*
	Number of DP Ports	0	*
	Number of Thunderbolt Port	-	*
Display	<b>Display Size (Inch)</b>	13.3	13.3, 13.5, 14, 15, 15.4, 15.6, 16, 13 Or higher
	<b>Display Type</b>	-	Non Touch, Touch Or higher
	Display Technology	LED HD Backlit	*

	<b>Panel Technology</b>	IPS	IPS Or higher
	<b>Display Resolution (Pixels)</b>	2560 x 1600	3200x1800, 3840 x 2160, 2560 x 1600, 2736 x 1824, 2880 x 1800, 3000x2000, 3240x2160, 3272 x 1920, 2880 x 1920, 3072 x 1920 Or higher
	<b>Availability of Webcam integrated with Display</b>	Yes	Yes
	<b>If Yes, Resolution of Webcam</b>	FHD	FHD Or higher
	<b>Infra Red Webcam</b>	No	No
Miscellaneous	<b>Optical Drive</b>	NA	Integrated, External, NA Or higher
	Type of Optical Drive	N/A	*
	<b>Internal Speaker (Dual)</b>	Yes	Yes
	Audio-in	No	*
	Audio-out	No	*
	Headphone out	Yes	*
	Microphone-in	No	*
	Type of Keyboard	Standard	*
	Backlit Keyboard	Yes	*
	Spill Resistant Keyboard	No	*
	Pointing Device/Touchpad	Touchpad with multi-touch gestures enabled	*
	Finger Print Reader	Yes	*
	Hardware Trusted Platform Enabled	Yes	*
	<b>Carry Case</b>	No	No
	If Yes, Type of Carry Case	NA	*
	Security Lock Slot	No	*
	If Yes, Availability of Cable Lock	No	*
	Weight (Including Battery) (Kilogram)	1.29	*
Power	Battery Type	-	*
	Battery Chemistry	Li - Polymer	*
	Battery Capacity (Watt Hour)	49.9	*

	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	10	*
	Maximum Operating Temperature	35	*
	Minimum Operating Humidity (%RH)	0	*
	Maximum Operating Humidity (%RH)	90	*
Warranty	<b>Battery Warranty</b>	3	3, 4 Or higher
	<b>On Site OEM Warranty (Year)</b>	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	Sandeep Kumar	110001,5, PARLIAMENT STREET	1	15

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

- 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

- Scope of supply (Bid price to include all cost components) : Supply Installation Testing

Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

2. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

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

**---Thank You---**