

### Bid Document

Bid Details	
Bid End Date/Time	29-01-2020 09:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Science And Technology
Department Name	Department Of Scientific And Industrial Research (dsir)
Organisation Name	N/a
Office Name	Csir - Central Salt & Marine Chemical Research Institute
Total Quantity	1
Item Category	Laptop-Notebook ( <b>PAC Only</b> )
Experience Criteria	2 Year (s)
MSE Exemption For Years Of Experience And Turnover	Yes
Startup Exemption For Years Of Experience And Turnover	Yes
Document required from seller	Experience Criteria,Certificate (Requested in ATC),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

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or

similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

### Laptop-Notebook ( 1 pieces ) ( Under PAC )

Make	apple
Model	applemacbookair13.3inch256gbmvfj2hna-spacegreymvfl2hna-silvermvfn2hna-gold

### Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel	Intel, AMD
	Processor Generation	8	7, 8, 0, 9 Or higher
	Number of Cores per Processor	2	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	1.6	*
	Processor Description	Intel Core i5	Intel Celeron, Intel Pentium, Intel Core i3, Intel Core i5, AMD E2, AMD PRO A4, AMD PRO A6, AMD A9, AMD PRO A8, AMD PRO A12, AMD Ryzen 3, AMD Ryzen 5, AMD Ryzen 7, Intel Core i7, AMD PRO A10, Intel Core i9 Or higher
	Processor Number	Apple - Turbo Boost up to 3.6GHz	Intel Celeron N3060, Intel Celeron N3160, Intel Celeron N3350, Intel Pentium N3710, Intel Celeron N3450, Intel Celeron N4000, Intel Pentium N4200, Intel Pentium 4410Y, Intel Celeron 3965Y, Intel Pentium 4415Y, Intel Pentium N4100, Intel Pentium Silver N5000, Intel Pentium 3965U, Intel Pentium

4415U, Intel Core i3
7020U, Intel Core i3
7100U, Intel Core i5
7Y54, Intel Core i5
7Y57, Intel Core i3
7130U, Intel Core i7
7Y75, Intel Core i3
7167U, Intel Core i3
7100H, Intel Core i5
7200U, Intel Core i5
7300U, Intel Core i7
7500U, Intel Core i3
8130U, Intel Core i5
7260U, Intel Core i5
7267U, Intel Core i5
7360U, Intel Core i5
7287U, Intel Core i3
8109U, Intel Core i7
7600U, Intel Core i7
7560U, Intel Core i7
7660U, Intel Core i7
7567U, Intel Core i5
8250U, Intel Core i5
8259U, Intel Core i5
8269U, Intel Core i5
8300U, Intel Core i5
8350U, Intel Core i7
8550U, Intel Core i7
8559U, Intel Core i7
8650U, Intel Core i3
8100H, Intel Core i5
8300H, Intel Core i5
8400H, Intel Core i7
8650H, Intel Core i7
8750H, Intel Core i7
8850H, AMD E2 9000e,
AMD PRO A4 4350B,
AMD A6 9210, AMD A6
9220, AMD PRO A6
9500B, AMD PRO A6
7350B, AMD A9 9410,
AMD A9 9420, AMD
PRO A8 9600B, AMD
PRO A10 9620P, AMD
PRO A10 9700B, AMD
PRO A12 9800B, AMD
Ryzen 3 2200U, AMD
Ryzen 3 2300U, AMD
PRO Ryzen 3 2300U,
AMD Ryzen 5 2500U,
AMD PRO Ryzen 5
2500U, AMD Ryzen 7
2700U, AMD PRO
Ryzen 7 2700U, AMD
A4 9120, AMD A4 9125,
AMD A6 9225, AMD A9
9425, Intel Core i3

			8145U, Intel Core i5 8265U, Intel Core i7 8565U, AMD A4 9120e, AMD A4 9120c, Intel Core i5 8365U, Intel Core i7 8665U, Intel Core i5 9300H, Intel Core i5 9400H, Intel Core i7 9750H, Intel Core i7 9850H, Intel Core i5, Turbo Boost up to 3.6GHz, with 4MB L3 cache, Intel Core i5, Turbo Boost up to 3.9GHz, with 128MB of eDRAM, Intel Core i5, Turbo Boost up to 4.1GHz, with 128MB of eDRAM, Intel Core i7, Turbo Boost up to 4.5GHz, with 12MB shared L3 cache, Intel Core i9, Turbo Boost up to 4.8GHz, with 16MB shared L3 cache, Intel Core i9-9880H, AMD A6 9220e, AMD A9 9420e, AMD Ryzen 3 3200U, AMD Ryzen 3 3300U, AMD PRO Ryzen 3 3300U, AMD Ryzen 5 3500U, AMD PRO Ryzen 5 3500U, AMD Ryzen 7 3700U, AMD PRO Ryzen 7 3700U Or higher
	Out of Band Management	NA	*
	Cache (MB)	4	*
Construction	<b>Form Factor</b>	Standard	Standard
	Chassis Material	CNC Alluminium	*
	Hinges	Metallic	*
Motherboard	Expansion Slots (M Dot 2)	0	*
Graphics	Graphics Type	Integrated	*
	Graphic Card Description	Intel UHD 617	*
	<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	0	*

	(MB)		
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Mac OS Mojave	Mac OS Mojave
	Recovery Image Media	CD from the OEM / Stored in Partition of the Hard Disk / USB Drive from the OEM / On Line / Cloud	*
	<b>OS Certification</b>	Mac OS	Mac OS
Memory	Type of RAM	LPDDR3	*
	<b>RAM Size (GB)</b>	8	8, 16, 32 Or higher
	RAM Speed (MHz)	2133	*
	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	4.2	*
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	2	*
	Number of Serial Ports	0	*
	Number of VGA Ports	0	*
	Number of HDMI Ports	0	*
	Number of DP Ports	0	*
	Number of Thunderbolt Port	0	*
Display	<b>Display Size (Inch)</b>	13.3	13.3, 13.5, 14, 15, 15.4, 15.6, 16 Or higher
	<b>Display Type</b>	Non Touch	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 Or higher
	<b>Availability of</b>	Yes	Yes

	<b>Webcam integrated with Display</b>		
	<b>If Yes, Resolution of Webcam</b>	HD	HD, 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)	1.25	*
Power	Battery Type	Integrated	*
	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	R-4100450	*
	BEE / Energy Star for the given Model	Yes	*

	ROHS Compliance	Yes	*
	Other Certifications available	CE,FCC	*
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>	1	1, 3, 4 Or higher
	<b>On Site OEM Warranty (Year)</b>	1	1, 3, 5, 4 Or higher

\* 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	Patel Rakeshkumar Mavjibhai	364001,CSIR-Central Salt & Marine Chemicals Research Institute Gijubhai Badheka Marg Bhavnagar 364001	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. Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 2 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
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 : 45/2017 and 47/2017 dated 14/11/2017
3. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and



Commissioning of Goods

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 100% of total value.
5. 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---**