

### Bid Document

Bid Details	
Bid End Date/Time	13-07-2020 11:00:00
Bid Opening Date/Time	13-07-2020 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Hindustan Aeronautics Limited (hal)
Office Name	*****
Total Quantity	35
Item Category	Semi Rugged Notebook - Laptop
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
----------	----

### ePBG Detail

Required	No
----------	----

### Splitting

Bid splitting not applied.

### Semi Rugged Notebook - Laptop ( 35 pieces )

### Technical Specifications

\* As per GeM Category Specification

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERAL	<b>Type</b>	Regular	Regular
	Chassis/Casing	Magnesium Alloy	*
PROCESSOR	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	8	8 Or higher
	<b>Processor Description</b>	Intel Core i5	Intel Core i5, Intel Core i7 Or higher
	<b>Processor Number</b>	Intel Core i5 - 8250U	Intel Core i5 - 8250U, Intel Core i7 - 7600U, Intel Core i7 - 8550U, Intel Core i7 - 8650U, Intel Core i5 - 8365U, Intel Core i7 - 8665U Or higher
GRAPHICS	<b>Graphics Type</b>	Integrated	Integrated
	<b>Graphics Card</b>	NA	nVIDIA GeForce GTX 950M, nVIDIA GT 520, AMD Radeon RT 360, AMD Radeon WX 4150, AMD Radeon 540, AMD Radeon RX 540, NA Or higher
	<b>Graphics Memory (GB)</b>	0	2, 4, 8, 0 Or higher
OPERATING SYSTEM	<b>Operating System</b>	Windows 10 Professional	Windows 10 Professional
MEMORY	Type of RAM	DDR4	*
	RAM Speed (MHz)	2400	*
	<b>RAM Size (GB)</b>	4	4, 8, 16, 32 Or higher
	RAM Expandable upto (GB)	32	*
STORAGE	<b>Type of Drives used for Storage 1</b>	SATA	SATA, SSD Or higher
	Speed of Drive used for Storage 1 (RPM)	5400	*
	<b>Capacity of Each Drive used for Storage 1 (GB)</b>	500	512, 1024, 2048, 500, 1000, 2000 Or higher
	<b>Availability of Storage 2</b>	No	Yes, No Or higher
	<b>Type of Drives used for Storage 2</b>	NA	SATA, SSD, NA Or higher

	Speed of Drive used for Storage 2 (RPM)	NA	*
	<b>Capacity of Each Drive used for Storage 2 (GB)</b>	NA	128, 256, 512, 1024, 2048, 500, 1000, 2000, NA Or higher
CONNECTIVITY & PORTS	Wi-fi Connectivity	802.11 ac	*
	Bluetooth	4.0 or higher	*
	Number of Gigabit Ethernet Port	1	*
	Number of USB 2 point 0 Port	1	*
	Number of USB 3 point 0 Port	3	*
	Number of USB Type C Port	0	*
	Number of PCMCIA Slot	0	*
	Number of VGA Port	1	*
	Number of HDMI Port	1	*
	Number of DP Port	0	*
	Number of Serial Port	1	*
	Audio in/out	1	*
ADDITIONAL FEATURE	Port Replicator Interface	Yes	*
	RF Passthrough	No	*
	<b>Mobile Broadband 4G/Lte</b>	No	Yes, No Or higher
	<b>Dedicated GPS</b>	No	Yes, No Or higher
	If Yes, Constellation Supported	NA	*
DISPLAY	<b>Display Size Minimum (cm)</b>	35	35, 39 Or higher
	<b>Display Resolution (Pixel)</b>	1366 x 768	1024 x 768, 1366 x 768, 1920 x 1080, 1920 x 1200 Or higher
	<b>Display Type</b>	Non Touch	Non Touch, Touch Or higher
	<b>Minimum Display Brightness (Nits)</b>	220	220, 800, 1000 Or higher
CERTIFICATION	Ruggedness Certification to MIL STD 810 G or latest for Drop, Vibration, Water Resistance, Dust Resistance, Altitude, High/Low temperature,	Yes	*

	Humidity etc		
	Ruggedness Certificate number	-	*
	RoHS Compliance	Yes	*
	Other Certifications Available	UL,CE,FCC	*
	<b>Ingress Protection Rating</b>	IP53	IP51, IP52, IP54, IP53 Or higher
	Energy Efficiency Certification	Energy Star	*
	BIS Registration	Yes	*
	BIS Registration number under CRS of Meity	-	*
MISCELLANEOUS	Keyboard	Standard	*
	Optical Drive	Yes	*
	<b>Battery Backup Time (Hour)</b>	-	8, 10, 12, 19, 38 Or higher
	Weight (With Battery) (Kg)	-	*
TTC	TTC showing conformity to the specifications from a Central Government Lab/an ILAC accredited Lab/ NABL approved Lab	Yes	*
	If Yes, Name of the Lab	-	*
	If Yes, Address of the Lab	-	*
	If Yes, TTC number & Date	-	*
ACCESSORIES	DC Power Adaptor	With Round Pin	*
	<b>Stylus</b>	No	Yes, No Or higher
	<b>Carry Case</b>	Yes	Yes Or higher
	If Yes, Type of Carry Case	Shoulder Strap	*
WARRANTY	<b>Battery Warranty (Year)</b>	1	1, 2, 3, 5 Or higher
	<b>On Site OEM Warranty (Year)</b>	3	3, 5 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	*****	*****BANGALORE	35	15

### Bid Specific Additional Terms and Conditions

1. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
3. **Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid**
4. **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.
5. **Dedicated /toll Free Telephone No. for Service Support :** BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. **Escalation Matrix For Service Support :** Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
7. **Staggered Delivery:** The ordered items shall be supplied in a staggered manner. ( 19 Quantity shall be supplied within 15 days of contract placement and thereafter 16 Quantity per Quarter)
8. **Non return of Hard Disk:** As per Buyer organization's Security Policy, Faulty Hard Disk of Servers/Desktop Computers/ Laptops etc. will not be returned back to the OEM/supplier against warranty replacement.
9. Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 5 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
10. 1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.  
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.  
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

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

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