

### Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 10:00:00
Bid Opening Date/Time	27-07-2020 10:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	45 (Days)
Ministry/State Name	Ministry Of Defence
Department Name	Department Of Defence Production
Organisation Name	Bharat Earth Movers Limited (beml)
Office Name	*****
Total Quantity	15
Item Category	Laptop-Notebook
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
----------	----

### ePBG Detail

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

### Splitting

Bid splitting not applied.

### Laptop-Notebook ( 15 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	ABS Plastic	*
	Hinges	Metallic	*
Processor	<b>Processor Make</b>	Intel	Intel
	<b>Processor Generation</b>	7	7.0 Or higher
	<b>Number of Cores per Processor</b>	2	2, 4, 6, 8 Or higher
	Processor Base Frequency (GHz)	2.5	*
	<b>Processor Description</b>	Intel Core i3	Intel Core i3, Intel Core i5, Intel Core i7 Or higher
	<b>Processor Number</b>	Intel Core i3 7020U	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, Intel Core i3 8145U, Intel Core i5 8265U, Intel Core i7 8565U, 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 3.9GHz, with 128MB of eDRAM, Intel Core i7, Turbo Boost up to 4.5GHz, with 12MB shared L3 cache, Intel Core i7 8569U Or higher
	Out of Band Management	NA	*
	Cache (MB)	3	*
Motherboard	Expansion Slots (M Dot 2)	1	*
Graphics	Graphics Type	Integrated	*
	Graphic Card Description	-	*
	<b>Size of Memory in Case of Dedicated Graphic</b>	0	0, 1, 2, 3, 4, 6 Or higher

	<b>Card (GB)</b>		
	Size of VRAM in case of Integrated Graphics (MB)	-	*
	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional	Windows 10 Professional
	Recovery Image Media	-	*
Operating System	<b>OS Certification</b>	Windows	Windows
	Type of RAM	DDR4	*
	<b>RAM Size (GB)</b>	4	4, 8, 16, 32, 64 Or higher
Memory	RAM Speed (MHz)	2133	*
	Total Numbers of DIMM Slots Available	2	*
	Number of DIMM Slots populated	1	*
	<b>RAM Expandability up to( using spare DIMM Slots in GB)</b>	16	16, 32 Or higher
	<b>Type of Drives used to populate the Internal Bays</b>	HDD	HDD
	Number of Internal Bays populated with HDD	1	*
Storage	Capacity of each HDD (GB)	1000 @5400 rpm	*
	<b>Total HDD Capacity (GB)</b>	1000	1000, 1500, 2000, 2500, 3000 Or higher
	Number of Internal Bays populated with SSD	0	*
	<b>Capacity of each SSD (GB)</b>	0	0
	<b>Total SSD Capacity (GB)</b>	0	128, 256, 384, 512, 768, 1024, 1280, 2048, 4096, 0 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	*
	<b>Wireless Connectivity</b>	Yes	Yes
Connectivity	If Yes, Type of Wireless Connectivity	NA	*
	Number of Ethernet Ports	1	*
	If available, Type of Ethernet Ports	NA	*
	<b>Bluetooth Connectivity</b>	Yes	Yes
	If Yes, Version of Bluetooth Available	NA	*

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	0	*
	Number of Serial Ports	0	*
	Number of VGA Ports	1	*
	Number of HDMI Ports	1	*
	Number of DP Ports	0	*
	Number of Thunderbolt Port	-	*
Display	<b>Display Size (Inch)</b>	14	14, 15, 15.4, 15.6, 16 Or higher
	<b>Display Type</b>	-	Non Touch, Touch Or higher
	Display Technology	LED HD Backlit	*
	<b>Panel Technology</b>	TN	IPS, TN, VA Or higher
	<b>Display Resolution (Pixels)</b>	1366x768	1366x768, 1440 x 900, 1600 x 900, 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
	<b>Availability of Webcam integrated with Display</b>	Yes	Yes
	<b>If Yes, Resolution of Webcam</b>	HD	HD, FHD Or higher
Miscellaneous	<b>Infra Red Webcam</b>	No	No
	<b>Optical Drive</b>	Integrated	Integrated Or higher
	Type of Optical Drive	DVD R/W	*
	<b>Internal Speaker (Dual)</b>	Yes	Yes
	Audio-in	Yes	*
	Audio-out	Yes	*
	Headphone out	Yes	*
	Microphone-in	Yes	*
	Type of Keyboard	Standard	*
	Backlit Keyboard	Yes	*
	Spill Resistant Keyboard	No	*
	Pointing Device/Touchpad	Touchpad with multi-touch gestures enabled	*
	Finger Print Reader	No	*
	Hardware Trusted Platform Enabled	Yes	*
	<b>Carry Case</b>	Yes	Yes

	If Yes, Type of Carry Case	Back Pack	*
	Security Lock Slot	No	*
	If Yes, Availability of Cable Lock	No	*
	Weight (Including Battery) (Kilogram)	1.85	*
Power	Battery Type	-	*
	Battery Chemistry	Li - ion	*
	Battery Capacity (Watt Hour)	41	*
	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	0	*
	Maximum Operating Temperature	35	*
	Minimum Operating Humidity (%RH)	10	*
	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

\* 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	*****	*****KOLAR	15	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) : Only supply of Goods

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

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