

### Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 15:00:00
Bid Opening Date/Time	21-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Kerala
Department Name	Fisheries Department Kerala
Organisation Name	N/a
Office Name	Vikasbhavan
Total Quantity	1
Item Category	Workstation ( PAC Only )
Bidder Turnover (Last 3 Years)	1 Lakh (s)
OEM Average Turnover (Last 3 Years)	2 Lakh (s)
Experience Criteria	3 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,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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
Past Performance	10 %
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.

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.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

## Workstation ( 1 pieces ) ( Under PAC )

Make	lenovo
Model	lenovothinkstationp330towergen2

## Technical Specifications

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

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Processor	Processor Make	Intel	Intel
	Processor Generation	8	8, 9, NA, 10 Or higher
	Number of Cores per Processor	6	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 Or higher
	Processor Base Frequency (GHz)	3.2	3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 4, 4.1, 4.2, 4.3 Or higher
	Processor Turbo	4.6	*

Frequency (GHz)		
<b>Processor Description</b>	Intel Core i7	Intel Core i7, Intel Core i9, Intel Xeon E Series, Intel Xeon W Series, Intel Xeon Bronze Series, Intel Xeon Silver Series, Intel Xeon Gold Series, Intel Xeon Platinum Series Or higher
<b>Processor Number</b>	Intel Core i7-8700	Intel Core i3-8350K, Intel Core i7-8700, Intel Core i7-8700K, Intel Core i9-7980XE, Intel Core i5- 8300H, Intel Core i5- 8305G, Intel Core i5- 8400H, Intel Core i7- 8750H, Intel Core i7- 8850H, Intel Core i5-9300H, Intel Core i5-9400H, Intel Core i7-8565U, Intel Core i7-8665U, Intel Core i9-9900, Intel Core i9-9900K, Intel Core i9-9960X, Intel Core i7-9750H, Intel Core i7-9850H, Intel Core i9-9880H, Intel Core i9-9980HK, Intel Core i7-8550U, Intel Core i9-9980XE, Intel Core i9-9900KF, Intel Core i7-8650U, Intel Core i9 10980HK, Intel Core i9 10880H, Intel Core i7 10875H, Intel Core i7 10850H, Intel Core i9 9980HK, Intel Core i7 10750H, Intel Core i9 8950HK, Intel Core i5 10400H, Intel Core i5 10300H, Intel Xeon E3 1535M v6, Intel Xeon E3 1505M v6, Intel Xeon E3 1535M v5, Intel Xeon E3 1545M v5, Intel Core i7 10810U, Intel Core i7 10610U, Intel Core i7 10510U, Intel Core i7 10310U, Intel Core i7 10210U, Intel Core i9 10885H, Intel Core i9 10900K, Intel Core i9 10900, Intel Core i9

			10700K, Intel Core i9 10700, Intel Core i9 10600K, Intel Core i9 10600, Intel Core i9 10500, Intel Core i9 10100 Or higher
	Number of sockets available on the motherboard	1	*
	<b>Number of Sockets populated with the Processors</b>	1	1, 2 Or higher
	<b>Cache (MB)</b>	12	12.0 - 64.0 Or higher
	Out of Band Management	Intel vPro	*
Type	<b>Form Factor</b>	Desktop	Desktop
Motherboard	<b>Chipset Number</b>	Intel C246	Intel C246, Intel CM246, Intel C422, Intel C621, Intel C622, Intel C624, Intel X99, Intel X299 Or higher
	Expansion Slots (PCIe x 1) (Number)	1	*
	Expansion Slots (PCIe x 4) (Number)	1	*
	Expansion Slots (PCIe x 8) (Number)	0	*
	Expansion Slots (PCIe x 16) (Number)	1	*
	Expansion Slots (PCI) (Number)	0	*
Graphics	<b>Graphics Type</b>	Integrated	Integrated
	<b>Number of Graphic Cards</b>	0	0, 1, 2, 3, 4 Or higher
	<b>Graphic Card Description</b>	NA	NA Or higher
Operating System	<b>Operating System (Factory Pre-Loaded)</b>	Windows 10 Professional 64 bit	Windows 10 Professional 64 bit
	Recovery Image Media	NA	*
	OS Certification	Windows, Redhat Linux	*
Applications	Applications Compatible with the Workstation (Requisite document may be furnished as and when demanded by the buyer)	Dassault Systèmes SolidWorks, Dassault Systèmes CATIA, PTC Creo, Siemens NX	*

Memory	RAM Type	DDR4	*
	RAM Speed (MHz)	2666	*
	Type of Memory	Non ECC	*
	<b>RAM Size (GB)</b>	8	8, 16, 32, 64, 128, 256, 512, 1024, 2048, 3072, 4096, 48, 96, 192, 384, 768, 1536 Or higher
	Total Numbers of DIMM Slots Available	4	*
	Number of DIMM Slots Populated	1	*
	<b>RAM Expandability upto using spare DIMM Slots (GB)</b>	128	128, 256, 512, 1024, 3072, 4096, 384, 1536, 2048, 768 Or higher
Primary Storage /Boot Drive	<b>Type of Drives used to populate the internal Bays</b>	SATA	SATA
	Number of Drives	1	*
	<b>RAID for Operating System</b>	NA	NA
	<b>Capacity of each Drive (GB)</b>	1000	1000, 1024, 1200, 1800, 2000, 2048, 4000, 4096, 8000, 6000 Or higher
Secondary Storage	<b>Type of Drives used to populate the Internal Bays</b>	SATA	SATA
	Total number of Internal Bays available for SATA Drive	2	*
	<b>Number of Internal Bays populated with SATA Drive</b>	1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	<b>Each SATA Drive Capacity (GB)</b>	1000	1000, 2000, 4000, 8000, 6000 Or higher
	Speed of each SATA Drive (RPM)	7200	*
	<b>Total SATA Drive Capacity (GB)</b>	1000	1000, 2000, 4000, 8000, 3000, 5000, 6000, 7000, 9000, 12000, 16000, 20000, 24000, 28000, 32000 Or higher
	Total number of Internal Bays available for SAS Drive	0	*
	<b>Number of Internal Bays populated with</b>	0	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher

	<b>SAS Drive</b>		
	<b>Capacity of each SAS Drive (GB)</b>	0	300, 600, 900, 1200, 1800, 800, 0, 4000 Or higher
	Speed of each SAS Drive (RPM)	0	*
	<b>Total SAS Drive Capacity (GB)</b>	0	300, 600, 900, 1200, 1800, 2100, 0, 4000 Or higher
	Total number of Internal Bays available for SSD	0	*
	<b>Number of Internal Bays populated with SSD Drive</b>	0	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Or higher
	<b>Capacity of each SSD Drive (GB)</b>	0	128, 256, 512, 1024, 2048, 800, 0 Or higher
	<b>Total SSD Capacity (GB)</b>	0	128, 256, 384, 512, 768, 1024, 2048, 4096, 0, 5120 Or higher
	Total number of Internal Bays available for PCIe SSD	0	*
	<b>Number of Internal Bays populated with PCIe Drive</b>	0	0, 1, 2, 3, 4, 5, 6, 7, 8 Or higher
	<b>Capacity of each PCIe Drive (GB)</b>	0	128, 256, 512, 1024, 2048, 0 Or higher
	<b>Total PCIe Drive Capacity (GB)</b>	0	128, 256, 512, 1024, 2048, 4096, 0, 1536 Or higher
	Class of PCIe Drives	NA	*
	RAID	RAID level	0,1
		<b>Number of RAID Controller Ports</b>	4
		<b>Speed of RAID Controller Ports (Gbps)</b>	6
		RAID Controller Cache (GB)	0
Connectivity	Type of Ethernet Ports	Single Gigabit NIC 10/100/1000	*
	<b>Number of Ethernet Ports</b>	1	1, 2, 3, 4, 6 Or higher
	<b>Wireless Connectivity</b>	No	Yes, No Or higher

	<b>If Yes, Type of Wireless Connectivity</b>	NA	Wi-Fi 802.11b/g/n, Wi-Fi 802.11ac, NA Or higher
	<b>Bluetooth Connectivity</b>	No	Yes, No Or higher
	<b>If Yes, Version of Bluetooth Available</b>	0	4, 4.1, 4.2, 5, 0 Or higher
Ports	Number of USB Version 2 Point 0 Ports	2	*
	Number of USB Version 3 point 0 / 3 point 1, Gen 1 Ports	4	*
	Number of USB Version 3 point 1, Gen 2 Ports	0	*
	Number of USB Type C Ports	0	*
	Number of VGA Ports	0	*
	Number of HDMI Ports	0	*
	Number of Mini DP Ports	0	*
	Number of DP Ports	2	*
Display	<b>Display Availability</b>	Monitor	Monitor
	<b>Display Size (cm)</b>	54 - 56	54 - 56, 58- 61, 63 - 67, 68- 71, 72- 81, 82 - 87, 88 - 93, 94 - 97, 98 - 105, 107 - 110, 111 - 115, 116 - 120, 121 - 125, 126 - 130 Or higher
	<b>Display Type</b>	Non Touch	Non Touch, Touch Or higher
	<b>Panel Type</b>	Flat	Flat, Curved Or higher
	<b>Panel Technology</b>	IPS	IPS, OLED Or higher
	<b>Display Resolution (Pixels)</b>	1920x1080	1920x1080, 1920 x 1200, 3200x1800, 3840 x 2160, 2560 x 1080, 2560 x 1440, 2560 x 1600, 3440 x 1440, 3840 x 1600, 5120 x 1440, 7680 x 4320 Or higher
	LED Backlit	Yes	*
	TCO Compliance for Monitor	TCO 07	*
	Colour Gamut	72% Color Gamut	*
	Monitor Stand	Standard	*

Power	Maximum Power (Watts)	400	*
	Minimum Power Efficiency (%)	90	*
	Power Management Unit	Yes	*
	<b>Redundant Power Supply</b>	No	Yes, No Or higher
Input Devices	Mouse Connectivity, If available	Wired	*
	Type of Mouse, If available	Optical Scroll	*
	Keyboard Connectivity, if available	Wired	*
	Type of Keyboard, if available	Standard	*
	Type of Keyboard in case of Mobile Workstation	NA	*
Generic	Optical Drive	NA	*
	Number of External Bays	1	*
	Security	H/W Based	*
	Docking Station for Mobile Workstation	No	*
	Availability of Bundled Software	Yes	*
	Type of Bundled Software	Remote Collaboration Software & Performance Advisor	*
	Finger Print Reader in case of Mobile Workstation	NA	*
	Carry Case in case of Mobile Workstation	NA	*
Certification	BIS Registration under CRS of Meity (Requisite certificate may be furnished as and when demanded by the buyer)	Yes	*
	BIS Registration Number and its Validity	R-41004801	*
	ROHS Compliance	Yes	*
	Other Certification Available (Requisite	UL/EN/CE/IEC-60950 for Safety,CE/FCC for EMC	*



	certificate may be furnished as and when demanded by the buyer)	& Immunity,UL,CE,FCC, WEEE for Waste management	
Operating Conditions	Minimum Operating Temperature (Degree C)	10	*
	Maximum Operating Temperature (DEgree C)	35	*
	Minimum Operating Humidity (%RH)	35	*
	Maximum Operating Humidity (%RH)	80	*
Warranty	Battery Warranty in case of Mobile Workstation	0	*
	<b>On Site OEM Warranty (Year)</b>	3	3, 4, 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	Thulasi Kumari S	695033,Vikasbhavan, 4th Floor Thiruvananthapuram	1	30

### Bid Specific Additional Terms and Conditions

1. 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. Procurement under this bid is reserved for purchase from Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category. If the bidder wants to avail the reservation benefit, 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.
3. Bidder / OEM has to give an undertaking that after expiry of warranty period, it will provide AMC Service for next 3 years for the offered products at the rate not more than 2 % of contract price per annum. Buyer reserves the right to enter into an AMC agreement (

covering preventive maintenance and servicing)with the Successful Bidder / OEM after expiry of the Warranty period at rate as mentioned above and the payment for the AMC charges would be made Quarterly after rendering of the AMC Services of the relevant AMC period. Performance Security of the successful bidder shall be forfeited if it fails to accept the AMC contract when called upon by the buyer. The original Performance Security of contract will be returned only after submission and verification of AMC Performance Security for 5% of total AMC value valid up to AMC period plus 2 months (if there is no other claim). (Undertaking of acceptance to be uploaded with bid).

4. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 3 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
5. 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.
6. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
7. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

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

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