

Make & Model of items with Specification for Tender No. HWT220218486

Note:

- The rates are with 3 years Warranty for Desktops, Scanner, Printers, Laptops, UPS
- The rates of all line items are valid up to **31.03.2019**

Item No.	Item	Unit price with 3 years warranty (In Rs. without tax)	Make & Model	Name of Empanelled Vendor	Rate of GST(%)
1	<p>PC1 (Intel Core i5 Processor based)</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Form Factor & System chassis : Micro ATX/ SFF System chassis with suitable power supply to sustain full load including possible future up gradations. Complete system should be energy star 6.0 compliant / BEE Star certified ➤ CPU: 7th Generation Quad Core Intel® Core™ i5 7400 Processor (6M Cache, 3.00 GHz) ➤ Motherboard & chipset : Suitable chipset for above mentioned processor based motherboard-Intel B250 ➤ Bus Architecture : Integrated onboard graphics, Total 2 no's of PCI/PCIe slots, ➤ Memory: Min. 4 GB DDR4 @ 2400 MHz or higher RAM with 1 DIMM slot free. (Single Module Should be supplied) ➤ Hard disk : 500 GB or higher SATA hard disk with 7200 rpm ➤ Keyboard: USB or Ps/2 104 Keys keyboard ➤ Mouse: USB or PS/2 Two button scroll optical mouse with pad ➤ Ports : Total 4 USB port with at least 2 USB 2.0 port (min. 2 at front), VGA/HDMI/DP port, Microphone-Headphone OR Universal Audio Jack ➤ Networking features : Network Integrated Gigabit Ethernet controller ➤ O.S. : Pre-loaded Microsoft Windows 10 Professional licensed software with latest updates and Restore/ Recovery CD/ Self Mechanism 	33,999	<p>Lenovo Think Centre M710e</p> <p>LG 19M48A Monitor</p>	M/s Ishan Infotech Limited	18

	<ul style="list-style-type: none"> ➤ Data Recovery Software: Pre-loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Win 10 Pro. Feature) ➤ Optical Drive: 8x or better Internal DVD Writer ➤ 18.5" or higher wide screen LED Backlit based TFT Monitor: 18.5" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Resolution – 1360 X 768 or better, TCO Displays 5.0 certified or better ➤ Certifications: RoHS, UL / CE / FCC or equivalent third party certification from reputed Agency, Windows 10 Certification ➤ Dust Cover for CPU, Monitor ➤ Internal Speakers 				
2	<p>PC2 (AMD Processor based)</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Form Factor & System chassis : Micro ATX/ SFF System chassis with suitable power supply to sustain full load including possible future up gradations. Complete system should be energy star 6.0 compliant / BEE Star certified ➤ CPU: Quad Core AMD Ryzen™ 3 2200G (4M Cache, 3.5 GHz) Processor ➤ Motherboard & chipset : Suitable chipset for above mentioned processor based motherboard- AMD B350 ➤ Bus Architecture : Integrated onboard graphics, Total 2 no's of PCI/PCIe slots, ➤ Memory: Min. 4 GB DDR4 @ 2400 MHz or higher RAM with 1 DIMM slot free. (Single Module Should be supplied) ➤ Hard disk : 500 GB or higher SATA hard disk with 7200 rpm ➤ Keyboard: USB or Ps/2 104 Keys keyboard ➤ Mouse: USB or PS/2 Two button scroll optical mouse with pad ➤ Ports : Total 4 USB port with at least 2 USB 2.0 port (min. 2 at front), VGA/HDMI/DP port, Microphone-Headphone OR Universal Audio Jack 	29,990	HP Desktop Pro A Micro tower LG 19M48A Monitor	M/s Data Tech Computers Pvt Ltd	18

	<ul style="list-style-type: none"> ➤ Networking features : Network Integrated Gigabit Ethernet controller ➤ O.S. : Pre-loaded Microsoft Windows 10 Professional licensed software with latest updates and Restore/ Recovery CD/ Self Mechanism ➤ Data Recovery Software: Pre-loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Win 10 Pro. Feature) ➤ Optical Drive: 8x or better Internal DVD Writer ➤ 18.5" or higher wide screen LED Backlit based TFT Monitor: 18.5" or higher wide screen LED Backlit based TFTs, Contrast Ratio – 1000:1 or better, Resolution – 1360 X 768 or better, TCO Displays 5.0 certified or better ➤ Certifications: RoHS, UL / CE / FCC or equivalent third party certification from reputed Agency, Windows 10 Certification ➤ Dust Cover for CPU, Monitor ➤ Internal Speakers 				
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Note : Successful bidder has to supply the HDD in the desktop with at least 3 nos. of partition in factory / Customer Site

4	<p>A4 Size Scanner-2</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ A4 size Flat Bed Scanner with 600*600 dpi optical resolution, ➤ 24 bit color depth, ➤ OCR software, ➤ USB connectivity & In-built Automatic Document Feeder; ➤ Image technology – CCD/CIS; ➤ ADF speed – Up to 20 ppm; ➤ ADF Capacity: 50 Sheet, ➤ O.S. Compatibility - Microsoft Windows 7 or higher 	16,690	HP Scanjet Pro 2500 f1	M/s Data Tech Computers Pvt Ltd	18
5	<p>A3 Size Scanner with ADF</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ A3 Size Flatbed Scanner with 600 dpi optical resolution, ➤ Daily Duty Cycle: up to 3000 pages, 	1,15,150	Epson Workforce DS-60000	M/s Skyscraper Infotech Pvt Ltd	18

	<ul style="list-style-type: none"> ➤ USB interface, ➤ OCR Should be supported, ➤ End-to-end connectivity will be established by the bidder 				
7.1	<p>A4 Size Mono Laser Printer -2 with test cartridge along with 2 additional commercial cartridges (total 3 cartridges). One Imaging drum which can print 23,000 pages will also be provided</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Min. 24 ppm or higher in A4 size, ➤ 1200 X 1200 dpi resolution, ➤ Minimum 500 MHZ Printer Processor or higher or System Processor Utilization ➤ Min. 128 MB RAM or higher, ➤ Post Script/PCL support OR equivalent, ➤ Full network duplex printing, ➤ USB and in-built Network connectivity, ➤ duty cycle: should have min. 15000/month ➤ OS Compatibility: Windows, Linux ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 	16,990	HP LaserJet Ultra M206dn	M/s Data Tech Computers Pvt Ltd	18
7.2	<p>Total cost of Commercial Cartridges for printing total 15,000 pages for A4 Size Mono Laser Printer – 2</p> <p>(Unit cost of commercial cartridge Rs. 1900/- + tax & one cartridge can print 5000 pages)</p>	5,700 (for 3 commercial cartridges to print total 15,000 pages)	CF231A-HP 31 A	M/s Data Tech Computers Pvt Ltd	18
7.3	<p>Total cost of Imaging drums for A4 Size Mono Laser Printer – 2, which can print total 23,000 pages</p> <p>(Unit cost of imaging drum Rs. 1500/- + tax & one Imaging drum can print 23,000 pages)</p>	1,500 (for 1 imaging drum to print 23,000 pages)	CF232A	M/s Data Tech Computers Pvt Ltd	18
8.1	A4 Size Mono Laser Printer 3 with test cartridge	13,900	Canon LBP214dw	M/s Silver Touch Technologies Ltd	18

	<p>Specifications :</p> <ul style="list-style-type: none"> ➤ Min. 30 ppm or higher in A4 size, ➤ 1200 X 1200 dpi resolution ➤ Minimum 500 MHZ Printer Processor or higher or System Processor Utilization ➤ Min. 128 MB RAM or higher, ➤ Post Script/PCL support OR equivalent, ➤ Full network duplex printing, ➤ USB and in-built Network connectivity, ➤ duty cycle: should have min.50000/month ➤ OS Compatibility: Windows, Linux ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 				
8.2	<p>Total cost of Commercial Cartridges for printing total 18,400 pages for above A4 Size Mono Laser Printer – 3</p> <p>(Unit cost of commercial cartridge Rs. 5962/- + tax & one cartridge can print 9200 pages)</p>	<p>11,924</p> <p>(for 2 commercial cartridges to print total 18,400 pages)</p>	Cartridge 52	M/s Silver Touch Technologies Ltd	18
9.1	<p>Multifunction Laser Printer-1 with test cartridge along with 2 additional commercial cartridges (total 3 cartridges) with one Imaging drum which can print 9200 pages will also be provided</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Print – 20 ppm or higher for A4 size, ➤ 1200 dpi effective resolution; ➤ Copy – 18 cpm or higher for A4 size, ➤ 600*400 dpi resolution, ➤ Min. 128 MB RAM or higher; ➤ Scan – 600*600 dpi optical resolution, ➤ color scanning should be possible, ➤ USB connectivity ➤ Minimum 500 MHZ Printer Processor or higher or System Processor Utilization ➤ OS Compatibility: Windows, Linux ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 	13,800	HP LaserJet Ultra MFP M134a	M/s Data Tech Computers Pvt Ltd	18
9.2	<p>Total cost of Commercial Cartridges for printing total 16,100 pages for Multifunction Laser Printer-1</p>	<p>7,895</p> <p>(for 7 commercial cartridges to print total</p>	CF233A - HP 33A	M/s Data Tech Computers Pvt Ltd	18

	(Unit cost of commercial cartridge Rs. 1,128/- + tax & one cartridge can print 2300 pages)	16,100 pages)			
9.3	Total cost of Imaging drums for Multifunction Laser Printer-1 , which can print total 18,400 pages (Unit cost of imaging drum Rs. 750/- + tax & one Imaging drum can print 9200 pages)	1,500 (for 2 Imaging drum to print total 18,400 pages)	CF234A	M/s Data Tech Computers Pvt Ltd	18
10.1	A4 size Color Laser Printer with test cartridge Specifications : <ul style="list-style-type: none"> ➤ 14 ppm in color and black, ➤ Full network duplex printing, ➤ Minimum 500 MHZ Printer Processor or higher or System Processor Utilization ➤ Min. 128 MB RAM or higher, ➤ USB and inbuilt network connectivity ➤ OS Compatibility: Windows, Linux ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 	31,200	Samsung-HP-C4010ND	M/s Armee Infotech Pvt Ltd	18
10.2	Total cost of Commercial Cartridges for printing total Black : 15,000 pages Cyan : 20,000 pages Yellow : 20,000 pages, Magenta : 20,000 pages, for above quoted A4 size Color Laser Printer * Unit cost of Black cartridge Rs. 10,714/- + tax & one cartridge can print 15,000 pages * Unit cost of Cyan cartridge Rs. 10,714/- + tax & one cartridge can print 10,000 pages * Unit cost of Magenta cartridge Rs. 10,714/- + tax & one cartridge can print 10,000 pages * Unit cost of Yellow cartridge Rs. 10,714/- + tax & one cartridge can print 10,000 pages	75,000 (for 7 commercial cartridges to print total 15,000 black pages & 20,000 C/M/Y pages) 1 no. black, 2 no. cyan, 2 no. yellow, 2 no. magenta)	Black : CLT-K603L Yellow : CLT-Y603L Magenta : CLT_M603L Cyan: CLT-C603L	M/s Armee Infotech Pvt Ltd	18

11.1	<p>A4 size Inkjet printer-1 with test cartridge</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Print Speed: Min. 16 ppm for A4 size, ➤ Print Resolution: 1200 dpi x 600 dpi ➤ Maximum Resolution; ➤ Interface: Hi-Speed USB 2.0 compatible. ➤ B & W Printing should be possible ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 	9,550	HP Ink Tank 315	M/s Data Tech Computers Pvt Ltd	18
11.2	<p>Total cost of Commercial Cartridges for printing total</p> <p>Black : 15,000 pages</p> <p>Cyan : 16,000 pages</p> <p>Yellow : 16,000 pages,</p> <p>Magenta : 16,000 pages,</p> <p>for A4 size Inkjet printer-1</p> <p>* Unit cost of Black cartridge Rs. 375/- + tax & one cartridge can print 5,000 pages</p> <p>* Unit cost of Cyan cartridge Rs. 375/- + tax & one cartridge can print 8,000 pages</p> <p>* Unit cost of Magenta cartridge Rs. 375/- + tax & one cartridge can print 8000 pages</p> <p>* Unit cost of Yellow cartridge Rs. 375/- + tax & one cartridge can print 8000 pages</p>	<p>3,375</p> <p>(for 9 commercial cartridges to print total 15,000 black & 16,000 C/M/Y pages)</p> <p>(3 no. black, 2 no. cyan, 2 no. magenta, 2 no. Yellow)</p>	<p>HP GT51 Black</p> <p>HP GT52 Cyan ,</p> <p>HP GT52 Magenta</p> <p>HP GT52 Yellow</p>	M/s Data Tech Computers Pvt Ltd	18
12.1	<p>A4 size Inkjet printer-2 along with test cartridge</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Print – Min. 16 ppm for A4 size, Up to 600 dpi resolution; ➤ Copy – up to 16 cpm for A4 size, ➤ Scan – 1200 dpi optical resolution, ➤ color scanning should be possible, ➤ USB connectivity, 	11,500	Epson M200	M/s Skyscraper Infotech Pvt Ltd	18

	<ul style="list-style-type: none"> ➤ Automatic Duplex printing-(Optional) ➤ B & W Printing should be possible ➤ (Note: Quoted printer must be supplied along with factory fitted cartridge) 				
12.2	<p>Total cost of Commercial Cartridges for printing total 18,000 pages for A4 size Inkjet printer-2</p> <p>(Unit cost of cartridge Rs. 1,167/- + tax & one cartridge can print 6000 pages)</p>	<p>3,500</p> <p>(for 3 commercial cartridges to print total 18,000 pages)</p>	T13T774198	M/s Skyscraper Infotech Pvt Ltd	18
16	<p>600 VA Line Interactive UPS (with 15 minutes Battery backup)</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ General: Single Phase Input & Single Phase Output ➤ Line Interactive UPS with AVR & PWM Technology ➤ Switching Device shall be MOSFET or IGBT ➤ Transfer time : Switching over time from AC mains to UPS mode on power failure shall be Max. 10 milliseconds ➤ Input : 160 V – 280 V, 50 Hz +/- 3 Hz , single phase AC ➤ Output ➤ AC Mode : AVR Output voltage in AC mode; 180-230 V +/- 10%, ; 50 Hz +/- 3 Hz ➤ Battery Mode : UPS Output voltage in battery mode; 230 V +/- 10%, 50 Hz +/-1 Hz load power factor of not less than 0.6 lagging ➤ Protections : If input voltage goes outside the range 160V-280V, the system shall switch over to UPS mode ➤ Over Voltage, short circuit and overload at UPS output terminal, no load shut down. Cold start ➤ Under voltage at battery terminal, Battery over charge ➤ Indicators and meters : Mains presence, UPS mode, Battery low, overload <p>Battery details :</p> <ul style="list-style-type: none"> ➤ Battery Type : Sealed Maintenance Free (VRLA) Built-in 	1,525	EATON AURORA 600VA	M/s Accurate PMS Pvt Ltd	18

	<ul style="list-style-type: none"> ➤ Battery make: Exide/Quanta/CSB/Panasonic /Yuasa(Battery Sr. No on OEM Letter Head with Warranty Assurance of 1 years) ➤ Minimum Battery AH : 600 VA UPS – 84 VAH – 15 minutes Battery Back Up 				
17	1 KVA Online UPS	15,950	Arrow 1 KVA Online	M/s Armee Infotech Pvt Ltd	18
18	2 KVA Online UPS	36,960	Arrow 2 KVA Online	M/s Armee Infotech Pvt Ltd	18
19	5 KVA Online UPS	87,000	TECHSER TECHGLARE 5000	M/s Techser Power Solutions Pvt Ltd	18
20	10 KVA Online UPS	160,000	TECHSER TECHGLARE 10000	M/s Techser Power Solutions Pvt Ltd	18
	<p>Specifications : 1 KVA Online UPS with 30 Minutes battery backup / 2 KVA Online UPS with 1 hour battery backup /5KVA Online UPS (with 1 hour battery backup)/ 10 KVA Online UPS with 1 hour battery backup</p> <ul style="list-style-type: none"> ➤ Online UPS with PWM Technology suitable for single Phase AC input voltage ➤ UPS shall be housed in rugged enclosure made of M.S. Sheet 1.2 mm (minimum) thick, aesthetically finished, duly pre-treated and powder coated. ➤ UPS shall be free from workmanship defects, sharp edges, nicks, scratches, burs etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional ➤ Enclosures shall conform to protection requirement of IP2L1/IP20 to ISI: 3947 (Part 1)/1993 (reaffirmed 1998) 				

- Certifications : UPS should meet CE and ROHS standards (Pls submit certificates along with bid)
- Bypass Switch : Manual OR Static by-pass switch shall be provided for maintenance of UPS with provision for Enable/Disable of Bypass mode
- UPS shall supply output power and charging current at the same time
- Switching Device shall be IGBT
- Switching frequency shall be 19 KHz or above
- UPS shall be provided with USB OR serial communication port RS 232 for computer interface for data exchange of electrical parameters of UPS like voltage, current, frequency, charging status, mode of operation etc.
- INPUT
- Voltage Range : 160 V – 280 V
- Frequency Range : 50 Hz +/- 10% Hz
- Phase : Single Phase AC
- OUTPUT
- Voltage Regulation: 230 V +/-2% (with alternative setting for 220V +/- 2%)
- Output Frequency : 50 Hz +/- 1 Hz Single Phase (In inverter mode)
- Voltage regulation : From on load to full load Should be within +/- 1% in both the cases, UPS shall also have facility for operation in synchronous mode in which output frequency shall be same as that of mains frequency
- Harmonic Distortion : 3% max. for 1/2/5/10 KVA on resistive load
- Communication: Fully functional SNMP card required; RS 232 OR USB port with software for UPS status monitoring
- Efficiency : At rated Output voltage and Frequency
- Inverter : 83% (min)
- Overall : 85% (min)
- Power Factor
- Load Power Factor : Better than 0.65 lagging
- UPS power factor : Better than 0.8 lagging (For 1 & 2KVA)
- Better than 0.9 lagging (For 5 & 10KVA)

- Over load : For 1 & 2 KVA UPS: UPS shall withstand 10% overload for 1 min & 25% overload for 30 sec, For 5 & 10 KVA UPS: UPS shall withstand 25 % overload for 1 min & 50% overload for 30 sec.
- ENVIRONMENT : Noise Level – less than 55 db at a distance of 1 meter
- Protection : Over voltage, short circuit and overload at UPS output terminal, Under voltage at battery terminal, Overshoot and undershoot shall not be greater than 4% of rated voltage for duration of 60 msec
- Indicators : Mains Presence, Battery Charging and Discharging, Low battery voltage
- Digital meters : "Input AC Voltage, Output AC Voltage, I/o Frequency, O/p Frequency, Output Current, Battery Voltage, Load Percentage, Battery Backup available in percentage, (with LED \ LCD display)"
- Misc : ECO Mode Operation with Enable/Disable function
- Emergency Power Off (EPO)
- UPS to be compatible with DG supply
- Cables : With all necessary cables and plug and Battery links
- Rack: Suitable Metallic Rack for housing of SMF Batteries to be provided

- Battery Detail :
 - 800 VAH for 1 KVA - 30 min
 - 3200 VAH for 2 KVA - 60 min
 - 8000 VAH for 5 KVA - 60 min
 - 16000 VAH for 10 KVA - 60 min
- Battery Type : Sealed Maintenance Free (VRLA)
- Battery Make: Exide/Quanta/CSB/Panasonic/Yuasa (Battery Sr. No on OEM Letter Head with Warranty Assurance of 1 years)

21	<p>Laptop-1 (Intel core i5 Processor Based)</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Processor : 7th Generation Intel® Core™ i5-7200U Processor (3M Cache, 2.50 GHz) ➤ Motherboard with Integrated Chipset with Processor or better ➤ 8 GB DDR4 @ 2133 MHz upgradeable to 16 GB ➤ 500 GB or higher SATA HDD with 7200 RPM ➤ Screen: 14" or higher LED B/L Display with 1366 X 768 resolution, contrast ratio: 300:1, Brightness 200 nits ➤ Intel® Graphics Media Accelerator HD or better ➤ Wired Communication: Integrated 10/100/1000 Mbps Gigabit Ethernet. ➤ Wireless Communication: Integrated Wireless LAN 802.11 b/g/n/ac & Blue tooth ➤ Security: Integrated TPM 1.2 chip ➤ Web Cam required ➤ Optical Drive: DVD +/- RW (Internal) ➤ Internal Microphone, Internal Speakers ➤ Mandatory Ports: 3 USB (including 1 USB 3.0 port), Additional 1 USB port or extender for the same, 1 Head Phone jack & Micro Phone jack / Headphone & Microphone Combo jack, 1 RJ-45, Card Reader, 1 HDMI port ➤ Optional Ports: 1 PC card slot- PCI Express, 1 S-video, 1 RJ-11 ➤ Pre-loaded license Microsoft Windows 10 Professional Operating System or higher with Latest service pack. ➤ Data Recovery Software: Pre loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Win 10 Feature) ➤ Power management: Advanced Power Management feature. ➤ Certifications: RoHS, Latest Energy Star Compliant ➤ 3 or more Cell Lithium-Ion/ Lithium-Ion Polymer battery with minimum 4 Hours of battery back-up time ➤ OEM carry case ➤ Weight of the laptop : 2.2 kg or less 	40,700	Dell Vostro 3468	M/s Silver Touch Technologies Ltd	18
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22	<p>Laptop-2 (AMD Processor Based)</p> <p>Specifications :</p> <ul style="list-style-type: none"> ➤ Processor : AMD A6 7350B Dual Core (3 GHz) or higher ➤ Motherboard with OEM compatible Chipset or better ➤ Graphics: AMD Integrated Graphics ➤ Memory: 8 GB DDR4 @ 1866 MHz upgradeable to 16 GB ➤ HDD : 500 GB or higher 7200 RPM ➤ Screen: 14" or higher LED B/L Display with 1366 X 768 resolution ➤ Optical Drive : DVD +/- RW (Internal) ➤ Wired Communication: Integrated 10/100/1000 Mbps Gigabit Ethernet ➤ Optional: 56K Internal Modem. ➤ Wireless Communication: Integrated Wireless LAN 802.11b/g/n/ac, Integrated Bluetooth ➤ Web Cam required ➤ Internal Microphone, Internal Speakers ➤ Mandatory Ports: 3 USB, Additional 1 USB port or extender for the same, 1 HDMI, 1 Head Phone Jack & Micro Phone jack/Headphone & Microphone Combo jack, 1 RJ-45, Card Reader ➤ Optional Ports: 1 PC card slot- PCI Express, 1 S-video, 1 RJ-11 ➤ Pre-loaded license Microsoft Windows 10 Professional Operating System or higher with Latest service pack. ➤ Data Recovery Software: Pre loaded software tool that has provision for scheduled backup for restoring OS & data. Should have capability to take backup to external media. (Windows recovery software) ➤ Power management: Advanced Power Management feature. ➤ Certifications: RoHS, Latest Energy Star Compliant ➤ 3 or more Cell Lithium-Ion/ Lithium-Ion Polymer battery with minimum 4 Hours of battery back-up time ➤ OEM carry case ➤ Weight of the laptop : 2.2 kg or less 	33,150	Lenovo E41-25	M/s Ishan Infotech Limited	18
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