

Note: The rates are with 3 years Warranty for Desktops, Scanner, Laptops, UPS

Sr. No.	Item	Name of Empanelled Vendor	Make & Model	Unit Price with 3 years Warranty (In Rs. Without Taxes)	Rate of GST(%)	
<b>PC1 ( Intel Core i5 Processor based)</b>						
1	Form Factor	Tower Cabinet / SFF	M/s Silver Touch Technologies Ltd	Dell Vostro 3268	34702	18
	CPU	Intel® Core™ i5-7400 Processor (6M Cache, 3.00 GHz)				
	Motherboard	Intel H110 chipset or better				
	Bus Architecture	Integrated onboard graphics, Total 2 no.s of PCI/PCIe slots, Integrated Audio				
	Memory	Min. 4 GB DDR4 @ 1866 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, Microphone, Headphone				
	Networking features	10/100/1000 Mbps Network (Embedded / Slot based)				
	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. (Dell Backup & Recovery software.)				
	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; Should be of same brand as offered PC				
Certifications	RoHS, UL/CE/FCC or equivalent third party certification from reputed Agency, Windows 10/ Windows 8.1 Certification					
Dust Cover	Dust Cover for CPU, Monitor					
<b>PC2 ( AMD Processor based)</b>						
2	Form Factor	Tower Cabinet / SFF	M/s Armeem InfoTech Pvt. Ltd.	Acer Veriton M2120G Acer V196HQL Monitor	29559	18
	CPU	AMD A10 7800 Processor (4M Cache, 3.5 GHz)				
	Motherboard	AMD A 78 Chipset t or higher				
	Bus Architecture	Integrated onboard graphics, Total 2 no.s of PCI/PCIe slots, Integrated Audio				
	Memory	Min. 4 GB DDR3 RAM @ 1600 MHz or higher 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, Microphone, Headphone				
	Networking features	10/100/1000 Mbps Network (Embedded / Slot based)				
	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. (Total Recovery Pro)				
	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; Should be of same brand as offered PC				
Certifications	RoHS, UL/CE/FCC or equivalent third party certification from reputed Agency, Windows 10/ Windows 8.1 Certification					
Dust Cover	Dust Cover for CPU, Monitor					
<b>Note:</b> 1.You may place the purchase order for either Intel processor based PC OR AMD processor based PC as per your requirement. 2.Successful bidder has to supply the HDD in the desktop with at least 3 nos. of partition in factory / Customer Site.						
<b>A4 Size Scanner-2</b>						
3	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	M/s Armeem InfoTech Pvt. Ltd.	Canon DR-F120	21050	18	
<b>600 VA Line Interactive UPS (with 15 minutes Battery backup)</b>						
4	<b>600 VA Line Interactive UPS with 15 minutes Battery Back Up</b>		M/s Armeem InfoTech Pvt. Ltd.	Arrow 600 VA LI	1645	18
	General	Single Phase Input & Single Phase Output				
		Line Interactive UPS with AVR & PWM Technology				
	Switching Device	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
Battery details	
Battery Type	Sealed Maintenance Free ( VRLA) Built-in
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

**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)**

5	<b>1 KVA Online UPS (with 30 Minutes battery backup)</b>	M/s Arme InfoTech Pvt. Ltd.	Arrow 1 KVA OL	16506	18
6	<b>2 KVA Online UPS (with 1 hour battery backup)</b>	M/s Prakruti Infocom	Eaton 9145 2000IN XL	36572	18
7	<b>5KVA Online UPS (with 1 hour battery backup)</b>	M/s Prakruti Infocom	Eaton 9145 6KIN XL	87337	18

	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 and 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	Switching Device shall be IGBT
	Switching frequency shall be 19 KHz or above
	UPS shall be provided with USB & 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.
<b>Rating</b>	The rating specified is a unity power factor
<b>INPUT</b>	
Voltage Range	160 V – 280 V
Frequency Range	50 Hz +/- 10% Hz
Phase	Single Phase AC
<b>OUTPUT</b>	
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
<b>Harmonic Distortion</b>	3% max. for 1/2/5 KVA on resistive load
Communication	Fully functional SNMP card required: RS 232 & USB port with software for UPS status monitoring
<b>Efficiency</b>	At rated Output voltage and Frequency
Inverter	83% (min)
Overall	85% (min)
<b>Power Factor</b>	
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 KVA)
<b>Over load</b>	<ul style="list-style-type: none"> <li>For 1 &amp; 2 KVA UPS: UPS shall withstand 10% overload for 1 min &amp; 25% overload for 30 sec</li> <li>For 5 KVA UPS: UPS shall withstand 25 % overload for 1 min &amp; 50% overload for 30 sec.</li> </ul>
<b>ENVIRONMENT</b>	Noise Level – less than 55 db at a distance of 1 meter
<b>Protection</b>	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
<b>Indicators</b>	Mains Presence, Battery Charging and Discharging, Low battery voltage
<b>Digital meters</b>	"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)"
<b>Misc</b>	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			
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)			

**Laptop-1 (Intel core I5 Processor Based)**

8	<p><b>Processor</b> – Intel® Core™ i5-7200U (3M Cache, 2.5 GHz)</p> <p>Motherboard with Integrated Chipset with Processor or better</p> <p>4 GB DDR4 @ 2133 MHz upgradeable to 8 GB</p> <p>500 GB or higher SATA HDD with 5400 RPM</p> <p>Screen: 13.3"/14"/15.6" or higher LED B/L Display with 1366*768 resolution , contrast ratio: 300:1, Brightness 200nits</p> <p>Intel® Graphics Media Accelerator HD or better</p> <p><b>Wired Communication:</b> Integrated 10/100/1000 Mbps Gigabit Ethernet.</p> <p><b>Wireless Communication:</b> Integrated Wireless LAN 802.11 b/g/n/ac &amp; Blue tooth</p> <p><b>Security:</b> Integrated TPM 1.2 chip</p> <p><b>Web Cam required</b></p> <p><b>Finger Print reader required</b></p> <p><b>Optical Drive:</b> DVD +/- RW (Internal)</p> <p>Internal Microphone</p> <p><b>Mandatory Ports:</b> 3 USB (including 1 USB 3.0 port) , 1 Head Phone Jack &amp; Micro Phone Jack/Headphone &amp; Microphone Combo jack, 1 RJ-45, Card Reader, 1 HDMI port</p> <p>Pre-loaded license Microsoft Windows 10 Professional Operating System or higher with Latest service pack.</p> <p><b>Data Recovery Software:</b> Pre loaded software tool that has provision for scheduled backup for restoring OS &amp; data. Should have capability to take backup to external media. (Lenovo Solution Center)</p> <p><b>Power management:</b> Advanced Power Management feature.</p> <p><b>Certifications:</b> RoHS, Latest Energy Star Compliant</p> <p>3 or more Cell Lithium-Ion/ Lithium-Ion Polymer battery with minimum 4 Hours of battery back-up time</p> <p>OEM carry case</p> <p>Weight of the laptop : less than 2.5 kg</p>	M/s Ishan InfoTech Limited	Lenovo V310	36911	18
---	--	----------------------------	-------------	-------	----

**Laptop-2 (AMD Processor Based)**

9	<p>Processor : AMD A9 9410 (2.9 Ghz) dual core</p> <p>Motherboard with OEM compatible Chipset or better</p> <p>Graphics: AMD Integrated Graphics</p> <p>Memory : 4 GB DDR3 SDRAM with 1066 MHz or higher</p> <p>HDD : 500 GB or higher 5400 RPM</p> <p>Screen: 13.3"/14"/15.6" or higher LED B/L Display with 1366*768 resolution</p> <p>Optical Drive : DVD +/- RW (Internal)</p> <p><b>Wired Communication:</b> Integrated 10/100/1000 Mbps Gigabit Ethernet</p> <p><b>Wireless Communication:</b> Integrated Wireless LAN 802.11b/g/n/ac, Integrated Bluetooth</p> <p><b>Web Cam required</b></p> <p>Internal Microphone</p> <p><b>Mandatory Ports:</b> 3 USB, 1 HDMI, 1 Head Phone jack &amp; Micro Phone jack/Headphone &amp; Microphone Combo jack, 1 RJ-45, Card Reader</p> <p>Pre-loaded license Microsoft Windows 10 Professional Operating System or higher with Latest service pack.</p> <p><b>Data Recovery Software:</b> Pre loaded software tool that has provision for scheduled backup for restoring OS &amp; data. Should have capability to take backup to external media. (Windows recovery manager)</p> <p><b>Power management:</b> Advanced Power Management feature.</p> <p><b>Certifications:</b> RoHS, Latest Energy Star Compliant</p> <p>3 or more Cell Lithium-Ion/ Lithium-Ion Polymer battery with minimum 4 Hours of battery back-up time</p> <p>OEM carry case</p> <p>Weight of the laptop : less than 2.5 kg</p>	M/s Data Tech Computers Pvt Ltd	HP ProBook 455 G4	Laptop - 34171 Carry case - 900	18% on Laptop & 28% on carry case
---	--	---------------------------------	-------------------	---------------------------------	-----------------------------------