

TECHNICAL SPECIFICATION FOR:

UPLB-S-103-10-19, SUPPLY AND DELIVERY OF BRANDED AND BRAND NEW INFORMATION TECHNOLOGY PARTS
ACCESSORIES AND PERIPHERALS

DATE OF PREBID CONFERENCE:

Wednesday, 16 October 2019 10:30 AM

DEADLINE FOR SUBMISSION OF BIDS:

Wednesday, 30 October, 2019 UNTIL 1:15 PM

OPENING OF BIDS:

Will follow shortly after the deadline of the submission of bids

LOT #	ITEM #	REQUIRED SPECIFICATIONS	OFFERED SPECIFICATIONS (write down detailed offered specifications)	REFERENCES (include supporting documents)	COMMENTS/ REMARKS (clarify inclusion/ exclusion)	EVALUATION
1	1	BRANDED AND BRAND NEW MULTIFUNCTION COLOR LASER PRINTER				
		FUNCTIONS: Print, copy, scan, email,				
		MULTI-TASKING SUPPORTED: Yes,				
		PRINT SPEED BLACK: Normal: Up to 24 ppm,				
		PRINT SPEED COLOR: Normal: Up to 24 ppm,				
		FIRST PAGE OUT (READY): Black: As fast as 9.0 sec Color: As fast as 9.9 sec,				
		DUTY CYCLE (MONTHLY, A4): Up to 50,000 pages,				
		RECOMMENDED MONTHLY PAGE VOLUME: 750 to 4000,				
		PRINT TECHNOLOGY: Laser,				
		PRINT QUALITY BLACK (BEST):Black: 600 x 600 dpi, Up to 38,400 x 600 enhanced dpi Color: 600 x 600 dpi, Up to 38,400 x 600 enhanced dpi,				
		PRINT LANGUAGES: PCL 6, PCL 5c, postscript level 3 emulation, PCLm, PDF, URF, Native Office,				
		DISPLAY: 4.3" intuitive touchscreen Color Graphic Display (CGD),				
		PROCESSOR SPEED: 1200 MHz				
		MOBILE PRINTING CAPABILITY: ePrint; Apple AirPrint™; Mopria™-certified; Wireless Direct Printing; Google Cloud Print 2.0; Mobile Apps,				
		WIRELESS CAPABILITY: Yes, Built-in Wi-Fi; Authentication via WEP, WPA/WPA2, WPA Enterprise; Encryption via AES or TKIP; WPS; Wireless Direct Printing,				
		CONNECTIVITY, STANDARD: Hi-Speed USB 2.0 port; built-in Gigabit Ethernet 10/100/1000 Base-TX network port; Easy-access USB				

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		NETWORK READY: Standard (built-in Gigabit Ethernet, Wi-Fi) [Operates as both an AP (with Wi-Fi Direct) and STA]				
		MEMORY:256 MB NAND Flash, 256 MB DRAM, PAPER HANDLING INPUT,				
		STANDARD:50-sheet multipurpose tray, 250-sheet input tray, 50-sheet Automatic Document Feeder (ADF),				
		PAPER HANDLING OUTPUT				
		STANDARD: 150-sheet output bin,				
		DUPLEX PRINTING: Automatic (standard),				
		MEDIA SIZES SUPPORTED:				
		Tray 1, Tray 2: A4; A5; A6; B5 (JIS); B6 (JIS); 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); 10 x 15 cm; Oficio (216 x 340 mm); postcards (JIS single, JIS double); envelopes (DL, C5, B5);				
		Optional Tray 3: A4; A5; A6; B5 (JIS); B6 (JIS); 16K (195 x 270 mm, 184 x 260 mm, 197 x 273 mm); 10 x 15 cm; Oficio (216 x 340 mm); postcards (JIS single, JIS double);				
		Automatic duplexer: A4; B5; 16K (195 x 270 mm, 184 x 260 mm; 197 x 273 mm); Oficio (216 x 340 mm),				
		MEDIA TYPES: Paper (bond, brochure, colored, glossy, letterhead, photo, plain, preprinted, prepunched, recycled, rough), postcards, labels, envelopes				
		MEDIA WEIGHT, SUPPORTED: Tray 1: 60 to 176 g/m ² (up to 200 g/m ² with postcards and HP Color laser glossy photo papers); Tray 2: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 200 g/m ² HP Color laser glossy photo papers); optional Tray 3: 60 to 163 g/m ² (up to 176 g/m ² with postcards, up to 150 g/m ² Glossy media); Automatic duplexer: 60 to 163 g/m ² ,				
		SCANNER TYPE: Flatbed, ADF,				
		SCAN RESOLUTION, OPTICAL: Up to 1200 x 1200 dpi				

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		AUTOMATIC DOCUMENT FEEDER CAPACITY: Standard, 50 sheets uncurled,				
		DIGITAL SENDING STANDARD FEATURES: Scan to email; scan to folder; scan to USB drive,				
		FILE FORMAT SUPPORTED: PDF; JPG,				
		SCAN INPUT MODES: Front-panel scan, copy, email, or file buttons; HP Scan software; and user application via TWAIN or WIA				
		with one (1) year warranty				
	2	BRANDED AND BRAND NEW A3 ALL-IN-ONE INK TANK SYSTEM PRINTER				
		Printer Type: Print, Scan, Copy, Fax with ADF,				
		Print Method: PrecisionCore™ Printhead				
		Minimum Ink Droplet Volume: 2.8 pl,				
		Print Direction: Bi-directional printing, Uni-directional printing				
		Nozzle Configuration: 400 x 2 nozzles Black, 128 x 2 nozzles per colour (Cyan, Magenta, Yellow)				
		Maximum Resolution: 4,800 x 2,400 dpi (with Variable-Sized Droplet Technology)				
		Automatic 2-sided printing: Yes (up to A3)				
		Print Speed: Draft, A4 (Black / Colour): Up to 32 ppm / 20 ppm ,ISO 24734, A4 Simplex (Black / Colour): Up to 18 ipm / 10 ipm Reduction / Enlargement:25 - 400%, Auto Fit Function Maximum Copy Size:A3				
		Copy Resolution: 600 x 600 dpi				
		Max Copies: 999 copies				

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		Scanner Type: Flatbed colour image scanner				
		Sensor Type: CIS				
		Optical Resolution: 1200 x 2400 dpi				
		Maximum Scan Area: 297.18 x 431.8 mm (11.7 x 17")				
		Scanner Bit Depth (Colour): 48-bit input, 24-bit output				
		Scanner Bit Depth (Grayscale):16-bit input, 8-bit output				
		Scanner Bit Depth (Black & White):16-bit input, 1-bit output				
		Scan Speed: Flatbed (Black / Colour):200 dpi: 6.0 sec / 12 sec				
		Number of Paper Trays: 3 (Front 2, Rear 1)				
		Standard Paper Input Capacity:				
		Cassette 1: Up to 250 sheets, A4 Plain paper (80 g/m2), 20 sheets, Premium Glossy Photo Paper				
		Cassette 2: Up to 250 sheets, A4 Plain paper (80g/m2)				
		Rear Slot: 1 sheet				
		Output Capacity: 125 sheets, A4 Plain Paper, 20 sheets, Premium Glossy Photo Paper				
		Maximum Paper Size: 329 x 1200 mm (12.95 x 47.24 ")				
		Paper Sizes: A3+, A3, A4, A5, A6, B4, B5, Legal, Letter, Half Letter, 5 x 7 ", 4 x 6 ", 3.5 x 5 ", Envelopes: #10, DL, C6, C4				
		USB Host Function: USB Host (Scan to memory device / Storage function) Type of Direct Printing: Card Slots / USB Memory, Supported Memory Cards: SD Card, Memory Stick Interface: USB: Hi-Speed USB 2.0,				

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		Network: Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct				
		Network Protocol: TCP/IPv4, TCP/IPv6, LPD, IPP, PORT9100, WSD				
		Network Management Protocols: SNMP, HTTP, DHCP, BOOTP, APIPA, PING, DDNS, mDNS, Sntp, SLP, WSD, LLTD				
		Security Functions: LDAP Address Book, Panel Admin Mode				
		one (1) year warranty				
2	1	BRANDED AND BRAND NEW EXTERNAL HARD DRIVE				
		Shockproof				
		Windows, MacOSx or later and Linux compatible				
		Interface: USB 3.0 compatible with USB 2.0				
		Transfer rate:5GB/s max				
		Capacity: 1TB				
		User's manual and USB data cable included				
		Warranty: 3 years on parts and services				
	2	BRANDED AND BRAND NEW HDMI-VGA CABLE				
		Video cable connector type: HDMI-to-D-Sub 15 pins (VGA)				
		Gender:Male to male				

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		Gold plated connectors				
		High bandwidth (340MHz), transfer data rate up to 10.2GB/s				
		For high definition DVD Players, HDTV receivers, TV sets, projectors,A/V receivers, and other HDMI-equipped devices				
		Warranty: 1 year on parts and services				
	3	BRANDED AND BRAND NEW UNINTERRUPTED POWER SUPPLY				
		Output power capacity: 650VA/ 325 Watts				
		Output Voltage Frequency (on utility); 230V/ 45-65Hz				
		Output Voltage Frequency (on battery); 230V+/- 10%, 50or 60Hz+/- Hz (auto-sensing)				
		Output Connections: 2 Universal outlets (both with battery backup and surge protection)				
		Wave form type: Stepped Approximation to Sine Wave				
		Input Voltage Frequency: 170-280 V/ 50/60Hz+/-1Hz (default: 50Hz)				
		Input Connection : NEMA 5-15P				
		AC Power Surge Protection on all outlets				
		Battery type: Maintenance-free; sealed; lead-acid battery; leak proof				
		Battery size: 12V, 7 Ah				
		Management: Alarms: Visual (LED) and audible alarms; Adjustable Sensitivity and Transfer Voltage: Low , Medium (default); High				
		User's Manual and Power Cords included				

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		Warranty: 2 years repair or replace				
	4	BRANDED AND BRAND NEW UNINTERRUPTED POWER SUPPLY				
		Output power capacity: 865 Watts/ 1.5kVA				
		Max Configurable Power (Watts) : 865Watts/ 1.5k VA				
		Nominal Output Voltage: 120V				
		Output Frequency (sync to mains): 50/60Hz +/- 3Hz				
		Topology: Line Interactive				
		Wave form type: Stepped Approximation to Sine Wave				
		Output connections:(5) NEMA 5-15R (Selector-surgetile): (5) NEMA 5-15 R(Battery backup)				
		Transfer tie :8ms typical :12ms maximum				
		Input: Nominal Input Voltage: 120V input frequency : 50/ 60Hz +/- 3Hz (auto sensing) ; Input Connections :NEMA 5-15P Cord Length: 6ft (1.83m)				
		Battery type: Maintenance-free; sealed; lead-acid battery with suspended electrolyte ; leakproof: Included battery modules 1; Typical recharge time: 8hrs; Expected Battery Life (Years) : 3-5; RBC Quantity; 1 Battery Volt-Amp-Hr Capacity:187				
		Communications and Mgt : Interface Ports; USB; Control panel; Multi-function LCD status and control console; Audible alarm : Alarm on battery; distinctive low battery alarm; overload continuous tone alarm				
		Surge energy ratings: 354 J; Data line Protection : Cable modem/ video protection. Network line-10/ 100/ 1000 Base T-ethernet (RJ-45 connecotr) filtering				

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		Audible noise at 1 Meter from surface of unit: 45.0dBA				
		Approvals: FCC Part 15 Class B, NOM,TUV,UL 1778				
		User's Manual and Power Cords included				
		Warranty: 3 years repair or replace				
3	1	BRANDED AND BRAND NEW DESKTOP COMPUTER				
		Operating System: Win Pro 10 64Bit				
		Processor: 8th Generation Intel Core i5 8400 or Advance				
		Memory: 4 GB (1x4) DDR4				
		Hard Disk Drive: 1 TB				
		Graphics: Intel® UHD Graphics 630				
		Audio: Integrated high-definition, 5.1-channel surround sound				
		Networking/LAN: Gigabit Ethernet				
		Speaker: Internal Speaker				
		Optical Drive: Yes				
		Standard I/O Ports				
		Front/Side I/O connectors				
		•Audio jack(s)				

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		•USB 2.0 port(s)				
		•USB 3.1 Gen 1 port(s)				
		Rear I/O connectors				
		•D-Sub port(s)				
		•HDMI port(s)				
		•DisplayPort (DP) ports				
		•COM port(s)				
		•Serial ports on board header (COM2)				
		•LAN port(s)				
		•PS/2 port(s)				
		•Audio jack(s)				
		•USB 2.0 port(s)				
		•USB 3.1 Gen 1 port(s)				
		•USB 3.1 Gen 2 port(s)				
		Keyboard & Mouse: USB Keyboard and USB Optical Mouse				
		Warranty: 3 Years Parts & Service				
		All peripherals must be of the same brand.				

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	2	BRANDED AND BRAND NEW LAPTOP COMPUTER				
		CPU: 8th Gen. Intel Core i5-8250U or Advance				
		HDD: 1TB				
		RAM: 4GB, DDR4				
		Graphics: 2G GDDR5 Independent				
		Screen: 15.6-inch FHD (1920 x 1080) Anti-glare LED-Backlit Display				
		Color / Camera: Integrated Widescreen HD 720P Webcam with Dual Digital Microphone Array				
		Keyboard: Internal US-Int Keyboard (Non Backlit)				
		Wireless: 802.11ac + Bluetooth 4.1, Dual Band 2.4&5 GHz, 1x1				
		Card Reader: Yes				
		Optical Drive: Yes				
		Battery: 42WHrs or Higher				
		OS: Windows 10 64bit				
		Sound Card: Stereo speakers				
		Ports & Slots				
		USB 2.0				
		HDMI				
		Ethernet				

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		USB 3.1 Gen 1				
		Headphone + Microphone Audio Jack				
		Accessories: Laptop Bag				
		Warranty: 2 Years Parts & Service				
		All peripherals must be of the same brand				
4	1	BRANDED AND BRAND NEW DESKTOP PRINTER				
		Standard Features				
		• 300 meter ribbon capacity				
		• 32 bit RISC processor				
		• Co-resident EPL2 and ZPL II programming languages				
		• Triple connectivity: Serial, USB and parallel				
		• Print methods: Thermal transfer and direct thermal modes; printing of bar codes, text and graphics.				
		• OpenACCESS™ for easy media and ribbon loading				
		• Microsoft® Windows® drivers				
		Printer Specifications				
		Resolution: 203 dpi/8 dots per mm				
		Memory: 8 MB Flash, 8 MB SDRAM (standard)				

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		Print Width: 4.09"/104 mm				
		Print Length: 39"/991 mm				
		Print Speed: 5"/127 mm per second				
		Media Sensors: Reflective and transmissive sensors				
		Media Characteristics				
		Media width: .75"/19.5 mm to 4.49"/114 mm				
		Media length: 0.25"/6.5 mm to 39"/991 mm				
		Maximum media roll size: 5"/127 mm O.D. on a 1.00"/25.4 mm, 1.5"/38 mm I.D. core				
		Media thickness: 0.003"/0.08 mm to 0.007"/0.18 mm				
		Media types				
		• Roll-fed or fan-fold				
		• Label stock (die cut or continuous, direct thermal or thermal transfer)				
		• Tag stock (die cut or continuous, direct thermal or thermal transfer)				
		Ribbon Characteristics				
		Outside diameter: 2.6"/66 mm (300 m); 1.34"/34 mm (74 m)				
		Standard length: 984' (300 m); 242' (74 m)				
		Ratio				
		• 1:4 One ribbon roll per 4 rolls of media (300 Meter)				

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		<ul style="list-style-type: none"> 1:1 One ribbon roll per roll of media (74 Meter) 				
		Width				
		1.33"/33.8 mm to 2.4"/58 mm				
		Core I.D.				
		<ul style="list-style-type: none"> 300 m ribbon 1.00"/25.4 mm 				
		<ul style="list-style-type: none"> 74 m ribbon 0.5"/12.7 mm 				
		Agency Approvals				
		TUV-R NRTL, TUV-R CB, NOM, KCC, CE, FCC Class-B				
		Networking: Ethernet—10/100 internal offered in combination with USB and serial interface (replaces parallel port)				
		Fonts/Graphics/Symbologies				
		<ul style="list-style-type: none"> 16 resident expandable ZPL fonts 				
		<ul style="list-style-type: none"> One resident scalable ZPL font 				
		<ul style="list-style-type: none"> 5 resident expandable EPL2 fonts 				
		<ul style="list-style-type: none"> Supports user-defined fonts and graphics—including custom logos 				
		Programming Languages				
		Core programming languages: EPL2, ZPL I/ZPL II				
		Bar Code Symbologies				
		<ul style="list-style-type: none"> Bar Code Ratios: 2:1 (non-rotated) and 3:1 				

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		<ul style="list-style-type: none"> Linear Bar Codes: Codabar, Code 11 (ZPL), Code 128, Code 39, Code 93, Code 93, EAN-13, EAN-8, EAN-14 (ZPL), German Post Code (EPL), Industrial 2-of-5 (ZPL), Interleaved 2-of-5, Japanese Postnet (EPL), ISBT-128 (ZPL), Logmars (ZPL), MSI, Plessey, Postnet, GS1 DataBar (RSS-14), Standard 2-of-5 (ZPL), UCC/EAN-128 (EPL), UPC and EAN 2 or 5 digit extensions (ZPL), UPC-A, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, and GS1 Databar (formerly RSS) 				
		<ul style="list-style-type: none"> 2-Dimensional: Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, QR Code, PDF417, MicroPDF417, Aztec 				
		Communication and Interface Capabilities				
		<ul style="list-style-type: none"> Centronics® parallel (36 pin) connector ports 				
		<ul style="list-style-type: none"> RS-232 Serial interface 				
		<ul style="list-style-type: none"> USB V1.1 interface, bi-directional 				
		<ul style="list-style-type: none"> 10/100 internal Ethernet with USB V1.1 				
		Electrical Specifications				
		<ul style="list-style-type: none"> Auto-ranging external power supply with C7 type connector 				
		<ul style="list-style-type: none"> Output: 20 VDC, 2.5A 				
		<ul style="list-style-type: none"> Input: 100-240 VAC, 50-60 Hz 				
		Warranty: 1 Year Parts & Service				

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	2	BRANDED AND BRAND NEW HANDHELD LASER SCANNER				
		PERFORMANCE CHARACTERISTICS				
		Light Source: 650 nm Laser Diode Class 2				
		Scan Pattern: Single line				
		Scan Speed: 100 scans per second				
		Scan Angle: 35°				
		Minimum Print Contrast: 20% minimum reflective difference				
		Skew Tolerance: ± 10°				
		Pitch Tolerance: ± 65°				
		Roll Tolerance: ± 60°				
		INPUT DEVICE				
		Connectivity Technology: wired				
		TTL Decoding: decoded				
		OK Notification: LED indicator, beeper				
		Interface: USB				
		Light Source Wave Length: 650 nm				
		Barcodes: Codabar, Code 11, Code 128, Code 128 Full ASCII, Code 39, Code 39 Full ASCII, Code 93, Discrete 2 of 5, EAN/JAN, GS1 DataBar, IATA, Interleaved 2 of 5, MSI-Plessey, UCC/EAN-128, UPC				

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		USER ENVIRONMENT				
		Operating Temperature: 32° to 122° F/0° to 50° C				
		Storage Temperature: -40° to 158° F/-40° to 70° C				
		Humidity: 5% - 95% RH, non-condensing				
		Drop Specification: Designed to withstand multiple drops at 5.0 ft./1.5 m to concrete				
		Tumble Specification: Designed to withstand 500 tumbles in 1.64 ft./0.5 m tumbler				
		Environmental Sealing: IP30				
		Electrostatic Discharge (ESD): ESD per EN61000-4-2, +/-15 KV Air, +/- 8 KV Direct, +/-8 KV Indirect				
		Ambient Light Immunity:0 to 8,000 Foot Candles / 0 to 86,080 Lux; tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions; Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED4: 450 Ft. Candles (4,844 Lux) Sunlight: 8000 Ft. Candles (86,111 Lux)				
		SYMBOL DECODE CAPABILITY				
		Scanning Technology: Code 39, Code 128, Code 93, Codabar/NW7, Code 11, MSI Plessey, UPC/EAN, I 2 of 5, Korean 3 of 5, GS1 DataBar, Base 32 (Italian Pharma).				
		Minimum Element Resolution: Code 39: 3.0 mil				
		DECODE RANGES (TYPICAL*)				
		Symbology/Resolution: Near/Far				
		Code 39: 3 mil: 1.6 - 4.8 in./4.1 - 12.2 cm				
		Code 39: 4 mil: 1.3 - 8.7 in./3.3 - 22.1 cm				

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		Code 39: 5 mil: 0.9 - 11.7 in./2.3 - 29.7 cm				
		Code 39: 7.5 mil: 0.1 - 19.1 in./0.3 - 48.5 cm				
		Code 39: 20 mil: 0 - 33.8 in./0 - 85.9 cm				
		Code 39: 40 mil: 1 - 43.1 in./2.5 - 109.5 cm				
		UPC: 13 mil (100%): 0 - 25.1 in./0 - 63.8 cm				
		REGULATORY				
		Electrical Safety: EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + AC 2011; IEC 60950-1: 2005 + A1: 2009; UL 60950-1, second edition; CAN/CSA-C22.2 No. 60950-1-07				
		EMI/RFI: FCC 47 CFR Part 15, Subpart B, Class B; ICES-003 Issue 4, Class B; Compliant with EMC Directive 2004/108/EC				
		Laser Safety: CDRH Class II, IEC Class 2				
		Environmental: Compliant with RoHS irective 2011/65/EU; EN 50581: 2012				
		UTILITIES AND MANAGEMENT				
		123Scan2: Programs scanner parameters, upgrades firmware, provides scanned bar code data and prints reports.				
		Symbol Scanner SDK: Generates a fully-featured scanner application, including documentation, drivers, test utilities and sample source code.				
		Scanner Management Service (SMS): Remotely manages your scanner and queries its asset information.				
		ACCESSORIES				
		Gooseneck Intellistand				
		Warranty: 1 Year Parts & Service				

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5	1	BRANDED AND BRAND NEW UNINTERRUPTIBLE POWER SUPPLY 1.4KVA				
		Output				
		Output power capacity: 700Watts / 1.4 kVA				
		Max Configurable Power (Watts): 700Watts / 1.4 kVA				
		Nominal Output Voltage: 230V				
		Output Frequency (sync to mains): 50/60 Hz +/-1 Hz				
		Output Frequency (not synced): 50/60 Hz +/-1 Hz				
		Topology: Line Interactive				
		Waveform type: Stepped approximation to a sinewave				
		Output Connections: (2) IEC 320 C13 (Battery Backup)				
		Transfer Time: 8ms typical : 10 ms maximum				
		Input				
		Nominal Input Voltage: 230V				
		Input frequency: 50/60 Hz +/- 3 Hz (auto sensing)				
		Input Connections: IEC-320 C14, NEMA 5-15P				
		Cord Length: 1.22meters				
		Input voltage range for main operations: 150 - 280 V				

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		Number of Power Cords: 2				
		Type of Input Protection Required: 3-pole breaker				
		Maximum Input Current: 6.0A				
		Input Power Factor at Full Load: 0.5				
		Batteries & Runtime				
		Battery type				
		Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof				
		Battery mounting				
		Enclosed battery cartridge				
		Included Battery Modules: 1				
		Expected Battery Life (years): 3 – 5				
		RBC QUANTITY: 1				
		Warranty: 2 years or replace				

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6	1	BRANDED AND BRAND NEW INKJET PRINTER WITH SCAN AND COPY FUNCTION				
		ISO 24734, A4 Simplex (Black / Colour):Up to 10 ipm / 5.0 ipm *1				
		AC 100 – 240V; 50 / 60Hz,				
		375 x 347 x 179 mm,WiFi Direct				
		With 1 year warranty				
		Scan Speed				
		Flatbed (Black / Colour):200 dpi: 11 sec / 200 dpi: 28 sec				
		Print Method: On-demand inkjet (Piezoelectric)				
		Printing Technology				
		Minimum Ink Droplet Volume:3 pl				
		Printer Language: ESC / P-R				
		Print Direction: Bi-directional printing				
		Nozzle Configuration: 180 x 1 nozzles Black, 59 x 1 nozzles per colour (Cyan, Magenta, Yellow)				
		Maximum Resolution: 5760 x 1440 dpi (with Variable-Sized Droplet Technology)				
		Copy Speed				
		Copy Quality: Colour / Black-and-White; Draft / Standard				
		Maximum Copies from Standalone:20 copies				
		Maximum Copy Size: A4, Letter				

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		ISO 29183, A4, Simplex (Black / Colour): Up to 7.7 ipm / 3.8 ipm				
		Max Copy Resolution: 600 x 600 dpi				
		Scan Function				
		Scanner Type: Flatbed colour image scanner				
		Sensor Type: CIS				
		Optical Resolution:1200 x 2400 dpi				
		Maximum Scan Area: 216 x 297 mm (8.5 x 11.7")S				
		Scanner Bit Depth (Colour):48-bit input, 24-bit output				
		Scanner Bit Depth (Grayscale):16-bit input, 8-bit output				
		Scanner Bit Depth (Black & White):16-bit input, 1-bit output				
		Paper Handling				
		Number of Paper Trays:1				
		Standard Paper Input Capacity: Up to 100 sheets-A4 / Letter Plain paper (80 g/m2)				
		Up to 20 sheets-Premium Glossy Photo Paper 10 sheets-Envelope, 30 sheets-Postcard				
		Output Capacity: Up to 30 sheets, A4 plain paper				
		20 sheets, Premium Glossy Photo Paper				
		Maximum Paper Size:215.9 x 1200 mm (8.5 x 47.24")				
		Paper Feed Method: Friction feed				

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		Paper Size: Legal, Indian-Legal (215 x 345 mm), 8.5 x 13", Letter, A4, 16K (195 x 270 mm), B5, A5, B6, A6, Hagaki (100 x 148 mm), 5 x 7", 4 x 6", Envelopes: #10, DL, C6				
		Print Margin:0 mm top, left, right, bottom via custom settings in printer driver *2				
		PC Printing / Plain Paper Default:6.5 B(A), 52 dB (A) *3				
		PC Printing/ Premium Glossy Photo Paper Best Photo:5.2 B(A), 38 dB (A)				

Note: Please fill-up applicable columns.

Signature of Representative: _____

Name of Representative: _____

Position: _____

Company: _____

Address: _____

Telephone/ Fax: _____

Email: _____

End-user:

Signature over Printed Name