

**HIGH COURT OF MADHYA PRADESH: JABALPUR**

**// ADDENDUM / CLARIFICATION //**

No. Reg(IT)(SA)/2017/752

Jabalpur, Dated:24.06.2017

**Subject:- Clarification / addendum of the Pre-Bid meeting dated: 27<sup>th</sup> May, 2017 of the tender regarding Supply , Installation, Commissioning, Maintenance and Rate Contract of Computer Hardware items of the High Court and Subordinate Courts in the State of Madhya Pradesh with reference to the tender no. Reg(IT)(SA)/2017/576, Dated:17.05.2017.**

**Ref: - Pre-Bid Meeting Dated: 27<sup>th</sup> May, 2017 at 12:00 Noon.**

**Reply / clarification to the pre-bid queries**

S.No.	Page No. & Clause No.	Description	Query of the bidder/ vendor	Reply / clarification to the query
1	Clause 2.15.2	Three similar completed work costing not less than the amount equal to 40% of the estimated cost.	Estimated Cost@ 12 Cr. So is it 40% of 12Cr.	The 40% estimated cost of three similar IT projects i.e. Rs. 4,80,00,000/-. The value of the three projects in combined should not be less than Rs. 4,80,00,000/-. Similarly , <b>(b)</b> Two similar completed work costing not less than the amount equal to 50% of the estimated cost. <b>OR</b> <b>(c)</b> One similar completed work costing not less than the amount equal to 80% of the estimated cost.
2	Clause 2.15.2	Similar works means: Supply, maintenance and System Integration of Servers, Computers, printers and UPS .	Are you asking for combine order of servers, computers, printers and UPS or in a order any one product should be there of given products (Servers or computers or Printers or	Similar work means supply, maintenance system integration of servers, computers, printers, UPS system or other IT equipment's as individually shall be acceptable for e.g. if a vendor has supplied servers of 05 crore value than his work order shall be acceptable. However, preference may be given to the vendors

			UPS)	who have supplied hardware in mix of servers, computers, printers, UPS OR other similar IT equipment's. The decision of the High Court in this regard shall be final and acceptable to all.
3	Page No.11: Eligibility/ Pre qualification Criteria, point no. 2.15.2	Three similar completed work costing not less than the amount equal to 40% of the estimated cost. OR (b) Two similar completed work costing not less than the amount equal to 50% of the estimated cost. OR (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.	As per the clause kindly confirm 40% of value will be of cumulative total of three similar work, 50% of value will be cumulative total of two similar work. We would request to change it to 25%, 50%, and 75% respectively instead of 40%, 50%, 80%.	No change. For 03 similar completed works total amount should not be less than 40% of the estimated cost of the tender. (i.e. 12,00,00,000/-) or cumulative of 02 work order should not be less 50% of the tender value or one similar work should not be less than 80% of the tender value .
4	Page No.11: Eligibility/ Pre qualification Criteria, point no. 2.15.2	Three similar completed work costing not less than the amount equal to 40% of the estimated cost. <b>OR</b> (b) Two similar completed work costing not less than the amount equal to 50% of the estimated cost. <b>OR</b> (c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.	As per the clause: Most of the departments issues multiple orders under the same tender due to the requirement of multiple deliveries, consignees and inter departmental reasons as per their requirements. Will you consider the cumulative value of multiple orders under the same Tender for the qualification required?	No Change. The decision of the High Court in this regard shall be final and acceptable to all.

5	Page No.44: Specification F Technical Specification "800 VA UPS"	Line Interactive UPS System of 800 VA with minimum 30 Min. backup on full load	As per the specification heading it should be half an hour on single PC load with LED TFT	Line Interactive UPS System of 800 VA with <u>minimum</u> 30 minutes' power backup on single PC with TFT monitor.
6	Page No.46: Specification G Technical Specification "1000 VA UPS"	Line Interactive UPS System of 1000 VA with minimum one hour backup on full load	As per the specification heading it should be one hour on single PC load with LED TFT	Line Interactive UPS System of 1000 VA with minimum one hour backup on single PC with TFT monitor.
7	Page No.55: Section VIII - B	Purchase of Computer hardware under Buy Back of Thin Client/Desktop Computer	The exact configuration is not clear from the buyback model. Kindly provide us the exact configuration of HP Compaq DC 5800	Desktop Computers of the High Court is of Make : HP, Model: HP Compaq DC 5800 Processor: - Pentium (R ) Dual Core 2.50 GHz CPU RAM :- 2 GB HDD :- 500 GB ROM:- DVD ROM with TFT monitor of make: HP
8	Page No.55: Section VIII - B	Thin client Computers for the District Court: Make : Thin Client HP VC 4725 LNS	The exact configuration is not clear from the buyback model. Kindly provide us the exact configuration of Thin Client HP VC 4725 LNS	Product Name HP Compaq vc4725 Mother Board CN700 (8237 series) Memory-Single channel DDRII SDRAM system memory,1GB Processor-VIA C7 (1.0 GHz) Flash Card-2 GB Networking-10/100 Base-T Fast Ethernet, twisted pair (RJ-45) I/O ports and connectors: - -Four USB ports (two in front, two in rear) etc. along with the monitor.
9	Page No.55: Section VIII - B	Thin Computers for the District Court: Make : Thin Client HP VC 4725 LNS	Under Buyback the user data backup will be in the user's scope and will not be the responsibility of supplier.	Yes, the data backup will be in the user scope.
10	Page No.55: Section VIII - B	Thin Computers for the Tehsil Court Make: HCL, Model: WIN BEE 4000	The exact configuration is not clear from the buyback model. Kindly	Make: HCL, Model: WIN BEE 4000 BIX. Industry Standard Intel Atom Dual core 1.8Ghz On board video Controller

		•BIX	provide us the exact configuration of Thin Client HCL, Model: WIN BEE 4000 BIX	Built-in 10/100 Ethernet Interface Support - 1xSerial, 1xVGA, 1xRJ45, 2xPS/2 -1GB DDR-III, 800MHz, expandable up to 4GB 2DIMM Slots - 2GB or higher Flash ROM, expandable up to 4GB 2 DIMM Slots. -18.5" or higher TFT LCD Flat monitor
11	Page No.55: Section VIII - B	Tehsil Court Thin Client Computers of Make: HCL, Model: WIN BEE 4000 BIX	Under Buyback the user data backup will be in the users scope and will not be the responsibility of supplier	Yes, the data backup will be in the user scope.
12	Page No. 51: Specification-M	Operating System Supported: Ubuntu, SUSE, Ubuntu Linux, Redhat , Windows Operating System	As per the clause kindly confirm if any specific version of SUSE, Redhat Linux is used by the court	The operating system is mainly Ubuntu Linux and Windows Operating system. However, the vendor has to provide the support of other OS as per the requirement.
13	Page no. 11, Clause no. 2.15, Sub-clause no. 2.15.2(ii)	Experience in supply, installation, commissioning, maintenance of servers, during the last 5 years ending last day of month previous to the month of publication of this tender, should be either of the following.	Please add surveillance word in this line.	No change.

The revised technical specifications of the tender document after the pre-bid meeting is enumerated as per details given below: -

**“Minimum Specifications – A”**  
**Desktop Computers (Ubuntu Operating System)**  
**Brand: Dell / HP / IBM or equivalent brand of repute**

S. No.	Description	Specification	Technical compliance Yes/No
01	Category	Business (for work) segment (not Home Segment)	

02	Form Factor	Small Form Factor with Volume less than 13 Liters	
03	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)	
04	Processor Family	<b>Intel Core i3 Processor with Seventh Generation</b> or better.	
05	Base Frequency	2.6 Ghz or Higher	
06	Processor Cache	As per Processor	
07	Motherboard & Chipset	Intel Original Mother Board or equivalent M/B based on associated Chipset with Minimum two free PCI/PCI-x/PCI-Express slots	
08	TDP (Thermal Design)	Not More than 65 W	
09	System Memory (RAM)	4 GB , 2400Mhz DDR-IV Memory or Higher	
10	Expandable Memory	Upto 16 GB, at least 2 slots	
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more	
12	Preloaded Operating System	Ubuntu / Free DOS/ Without OS (Ubuntu with all required drivers & plugins)	
13	Operating System certificate	Ubuntu-Linux16.04 LTS.	
14	System Architecture	64- Bit	
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification	
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display	
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller	
18	Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard	
19	Speakers	Stereo Sound Speakers (Built-In with CPU Cabinet or Monitor)	
20	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint	
21	Wireless	IEEE 802.11 b/g/n	
22	USB Port	4 x USB 2.0, 2 x USB 3.0	
23	Other Ports	Mic In, Speaker Out, Rj45, VGA/Display Port Out/HDMI	
24	Power Supply/ Adaptor	Optimum Wattage SMPS to support full use of system with all USB ports utilized	
25	Energy Certification	Energy Star (EPA) ver 5.0 or later/ BEE India Star ver 1 or latest	
26	EPEAT Certified	Yes Required	
27	Power Management	ACPI Complaint	
28	USB Ports Security	USB Port Disable (through BIOS)	
29	Security Lock	optional	

30	Hardware Drivers	Vendor to provide for Ubuntu –Linux 16.04 LTS	
31	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
32	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
33	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – B”**  
**Desktop Computers (Windows Operating System)**  
**Brand: Dell / HP / IBM or equivalent brand of repute**

S.No.	Description	Specification	Technical compliance Yes/No
01	Category	Business (for work) segment (not Home Segment)	
02	Form Factor	Small Form Factor with Volume less than 13 Liters	
03	Make, Mode/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)	
04	Processor Family	<b>Intel Core i3 Processor</b> with <b>Seventh Generation</b> or better.	
05	Base Frequency	2.6 Ghz or Higher	
06	Processor Cache	As per Processor	
07	Motherboard & Chipset	Intel Original Mother Board or equivalent M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI-Express slots	
08	TDP (Thermal Design)	Not More than 65W	
09	System Memory (RAM)	4 GB , 2400Mhz DDR-IV Memory or Higher	
10	Expandable Memory	Upto 16GB, at least 2 slots	
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more	
12	Preloaded Operating System	Windows 10 Professional version (along with all required drivers & plugins)(64 bit)	
13	Operating System certificate	Windows 10 Professional version and Ubuntu certified.	
14	System Architecture	64- Bit	
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification	
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display	
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller	

18	Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard	
19	Speakers	Stereo Sound Speakers (Built-In with CPU Cabinet or Monitor)	
20	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint	
21	Wireless	IEEE 802.11 b/g/n	
22	USB Port	4 x USB 2.0, 2 x USB 3.0	
23	Other Ports	Mic In, Speaker Out, Rj45, VGA/Display Port Out/HDMI	
24	Power Supply/ Adaptor	Optimum Wattage SMPS to support full use of system with all USB ports utilized	
25	Energy Certification	Energy Star (EPA) ver 5.0 or later/ BEE India Star ver 1 or later	
26	EPEAT Certified	Yes Required	
27	Power Management	ACPI Complaint	
28	USB Ports Security	USB Port Disable (through BIOS)	
29	Security Lock	optional	
30	Hardware Drivers	Vendor to provide drivers	
31	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
32	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
33	Service Centre	Must have Company Authorized Service Centre in Capital City/ High Court Place.	

**“Minimum Specifications – C”**  
**Computer System All-in-One with Touch screen (Windows Operating System)**

S.No.	Description	Specification	Technical compliance Yes/No
01	Processor	Intel ® Core i7-7700 Process (Quad core / 8MB / 8T/ 3.6Ghz/65W)	
02	Memory	8 GB DDR4 with 2 SODIMM sockets expandable upto 16 GB	
03	DVD drive	8x DWDRW	
04	Monitor	Integrated 23" LED widescreen monitor with Touch Capabilities(FHD)	
05	Keyboard and Optical Mouse	Wireless Keyboard and mouse	
06	Interface	Integrated 10/100/1000	
07	Hard Drive	500 GB SATA 3G Hard Disk Drive (7200 rpm)	
08	Graphics Card	NVIDIA® GeForce® GT 630 / AMD Radeon HD 7650A / Discrete graphic card with minimum 2	
09	Webcam	Integrated Webcam must be available	

10	Audio features	Stereo Sound	
11	Wireless	Wireless NIC 802.11b/g/n Mini Card and Integrated Bluetooth 2.0	
12	OS	Windows 10.1 Professional 64 bit preloaded with recovery DVD media / software	
13	Warranty	5 Year Comprehensive Onsite Warranty	
14	Power	Energy Star 5.2 Compliance, Screen Blanking, Hard Disk and System Management Idle Mode in Power On. Set up Password. Power Supply Surge environmental protected. EPEAT compliant. Certified with Green Peace rating of 5 and standards above (OR) any other similar rating or certification that aims at green brand PC.	
15	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/dealers with OEM	
16	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
17	Service Centre	Must have Company Authorized Service Centre in Capital City/ High Court Place	

**“Minimum Specifications – D”**

**Computer System All-in-One (non-touch) having Ubuntu Operating System**

S.No.	Description	Specification	Technical compliance Yes/No
01	Category	Business (for work) segment (not Home Segment)	
02	Form Factor	All in one	
03	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)	
04	Processor Family	<b>Intel Core i3 Processor with Seventh Generation</b> or better	
05	Base Frequency	2.6 Ghz or Higher	
06	Processor Cache	As per Processor	
07	Motherboard & Chipset	Intel Original Mother Board or equivalent Performance Chipset for quoted Processor based Mother Board	
08	TDP (Thermal Design)	Not More than 65 W	
09	System Memory (RAM)	4 GB, 2400 Mhz DDR-IV Memory or Higher	
10	Expandable Memory	Upto 16 GB, at least 2 slots	
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more / above	
12	Preloaded Operating System	Ubuntu / Free DOS / Without OS (Ubuntu with all required drivers & plug-in)	
13	Operating System	Ubuntu-Linux16.04 LTS or	

	certificate	above	
14	System Architecture	64- Bit	
15	Screen Size & Resolution	Non touch Screen with 21.5" (HD Resolution) or higher with OEM certification	
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display	
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller.	
18	Monitor Mounting Support	Vesa Screws Cover for Wall Mount (OPTIONAL)	
19	Web Camera	1.0 Megapixel HD Built In <b>Webcam or Higher</b>	
20	Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard	
21	Microphone	Digital Microphone	
22	Speakers	Stereo Sound Speakers (Built-In)	
23	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint	
24	Wireless	IEEE 802.11 b/g/n	
25	USB Port	4 x USB 2.0, 2 x USSB 3.0	
26	Other Ports	Mic In, Speaker Out, Rj45, VGA/HDMI/Display Port Out	
27	Power Supply/ Adaptor	External Power A.C. Adaptor	
28	Energy Certification	Energy Star (EPA) version 5.0 or later/ BEE India Star version 1 or later	
29	EPEAT Certified	Yes Required	
30	Power Management	ACPI Complaint	
31	USB Ports Security	USB Port Disable (through BIOS)	
32	Security Lock	optional	
33	Hardware Drivers	Vendor to provide for Ubuntu – Linux 16.04 LTS	
34	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
35	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
36	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – E - 1”**  
**Scanner- Flatbed & ADF**

S.No.	Make & Model	Must be specified. All the relevant product brochures and manuals must be submitted	Technical compliance Yes/No
01	Scan Type	Flatbed & ADF	
02	Scan Speed	Minimum 25 pages per minute (A4)	

		size) or higher	
03	Resolution	600 x 600 dpi or above	
04	Bit Depth	24-bit color / 48-bit color	
05	Paper Capacity	Minimum 50 sheets ADF or above	
06	Interface	USB 2.0 or above	
07	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
08	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
09	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – E - 2”**  
**Scanner- ADF with Duplex**

<b>S.No.</b>	<b>Make &amp; Model</b>	<b>brochures and manuals must be submitted</b>	<b>Technical compliance Yes/No</b>
01	Scan Type	ADF	
02	Scan Speed	<b>Minimum 40 ppm</b>	
03	Resolution	600 x 600 dpi or above	
04	Duplex Scanning	Automatic	
05	Paper Capacity	50 plus sheets ADF (20lb / 80g/ m2) paper	
06	Interface	USB 2.0 or above and USB 3.0 compatible	
07	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
08	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
09	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – E - 3”**  
**Scanner- ADF with Duplex**

<b>S. No.</b>	<b>Specifications</b>	<b>Description</b>	<b>Technically Compliant (Yes/No)</b>
01	Minimum Daily Volume	10,000 pages per day	
02	Throughput Speed	Up to 60 ppm/120 ipm	
03	Optical Resolution	600 dpi or better	
04	Illumination	Dual led technology or better.	
05	Output resolution	100, 200, 300, 400, 600 dpi or above	
06	Paper Thickness and Weight	40-210 g/m <sup>2</sup> paper	

07	Feeder	Minimum 100 sheets of 60 g/m <sup>2</sup>	
08	Multi-feed Detection	With ultrasonic technology or better.	
09	Connectivity	USB 2.0 or better	
10	Bundled Software	TWAIN, ISIS, SANE and Windows Imaging Architecture Drivers etc.	
11	Imaging Features (in the scanner)	Perfect Page Scanning; adaptive threshold processing: hole removal, streak filter, sharpness filter, deskew: autocrop: relative cropping: aggressive cropping: electronic color dropout; dual-stream scanning; interactive color, brightness and contrast adjustment; automatic orientation; automatic color detection; background color smoothing.	
12	File format Outputs	Single and multi-page TIFF, JPEG, RTF, PDF, searchable PDF and PDF/A advance	
13	Imprinting	Post-scan document imprinter	

**“Minimum Specifications – E - 4”**  
**Scanner- ADF with Duplex**

<b>S. No.</b>	<b>Specifications</b>	<b>Description</b>	<b>Technically Compliant (Yes/No)</b>
01	Minimum Daily Volume	4000 pages per day	
02	Throughput Speed	50 ppm / 100 ipm	
03	Optical Resolution	600 dpi	
04	Illumination	Dual led / 3 color RGB led	
05	Output resolution	100, 200, 300, 400, 600, dpi or above	
06	Paper Thickness and Weight	40 – 210 g/m <sup>2</sup>	
07	Feeder	Minimum 75 - 80 sheets of 70-80 g/m <sup>2</sup>	
08	Multi-feed Detection	With ultrasonic technology or better.	
09	Connectivity	USB 2.0 or better	
10	Bundled Software	TWAIN, ISIS, SANE and Windows Imaging Architecture Drivers and for LINUX	
11	Imaging Features (in the scanner)	Perfect Page Scanning; adaptive threshold processing: hole removal, streak filter, sharpness filter, deskew: autocrop: relative cropping: aggressive cropping: electronic color dropout; dual-stream scanning; interactive color, brightness and contrast adjustment; automatic orientation; automatic color detection; background color smoothing.	
12	File format Outputs	Single and multi-page TIFF, JPEG, RTF, PDF, searchable PDF and PDF/A advance	
13	Imprinting	Post-scan document imprinter	

**“Minimum Specifications – F”**  
**Line Interactive UPS System of 800 VA with minimum half an hour power**  
**backup on full load**

**Brand: Numeric / APC / Emerson or equivalent brand of repute**

<b>S. No</b>	<b>Specifications</b>	<b>Description</b>		<b>Technically Compliant (Yes/No)</b>
01	Capacity / Rating	Rating (VA)	UPS 800 VA / 600 Watts	
02	MAINS	Input Voltage Range (VAC)	160-280	
		Input Frequency	45-55Hz	
		Output Voltage	190-253VAC	
03	INVERTER	Output Voltage (AC)	230 V	
		Transfer Time	<4 ms (typical)	
		Output Voltage (AC) Regulation	230 ± 10%	
		Output Frequency	50 Hz or 60Hz	
		Output Wave form	Simulated/stepped sine wave	
		System Voltage (VDC)	24	
04	BATTERY (Sealed Lead Acid Maintenance Free)	Backup Time	<b>Minimum 30 minutes</b>	
		No. of Batteries	<b>Two number of minimum 7 AH batteries (12 V, 7 ahX2) of reputed make like Exide / quanta / rocket / Panasonic or better</b>	
		Recharge Time	6-8 hrs for 90% Charge	
05	OTHERS	Indicators	ON Mains/ Mains Fail/ ON BATT/ Low BATT/ FAULT-OVERLOAD	
		Alarm	Fault-Overload / Replace Battery / Mains Fail / Low Battery	
		Over Load Protection	Yes required	
		Cold Start	Yes required	
		AC Surge Protection	Yes required	
06	Certifications	ISO 9001, ISO 14001 certificate and BIS certificate.	Yes required	
07	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	Yes required	
08	Warranty	5 Years on site Comprehensive Warranty support	Yes required	

		with Level 1 Support from bidder and Level2 support from OEM		
09	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	Yes required	

**“Minimum Specifications – G”**

**Line Interactive UPS System of 1000 VA with one minimum one hour backup on full load**

**Brand: Numeric / APC / Emerson or equivalent brand of repute**

S.No.	Specifications	Description		Technically Compliant (Yes/No)
01	Capacity / Rating	Rating (VA)	UPS 1000 VA / 600Watt	
02	MAINS	Input Voltage Range (VAC)	160-280	
		Input Frequency	45-55Hz	
		Output Voltage	190-253VAC	
03	INVERTER	Output Voltage (AC)	230 V	
		Transfer Time	<4 ms (typical)	
		Output Voltage (AC) Regulation	230 ± 10%	
		Output Frequency	50 Hz or 60Hz	
		Output Wave form	Simulated/stepped sine wave	
		System Voltage (VDC)	24	
04	BATTERY (Sealed Lead Acid Maintenance Free)	Backup Time	<b>Minimum One Hour</b>	
		No. of Batteries	<b>Two numbers of minimum 9 ah batteries (12 V, 9ahX2) of reputed make Exide / rocket / Panasonic or better brand of repute.</b>	
		Recharge Time	6-8 hours for 90% Charge	
05	OTHERS	Indicators	ON Mains/ Mains Fail/ ON BATT/ Low BATT/ FAULT-OVERLOAD	
		Alarm	Fault-Overload / Replace Battery / Mains Fail / Low Battery	
		Over Load Protection	Yes required	
		Cold Start	Yes required	
		AC Surge Protection	Yes required	

06	Certifications	ISO 9001, ISO 14001 certificate and BIS certificate	Yes required	
07	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM		
08	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM		
09	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place		

**“Minimum Specifications – H”**  
**UPS 5 KVA with minimum one hour backup**  
**Brand: Numeric / APC / Emerson or equivalent brand of repute**

S.No.	Parameter	Minimum specification required	Technically Compliant (Yes/No)
01	Product certification	ISO 9001-2000, ISO 14001 certified and BIS certificate	
02	Type	Online	
03	Capacity required	5 KVA	
04	Minimum VAH required	<b>8060 VAH or above</b>	
05	Switchover/ Transfer Time	<4 ms in synch mode, <10 ms in un synch mode	
06	Input Power	230V AC +/- 20%, Single phase	
07	Input Frequency	0.8 or higher	
08	Input Power factor	0.8 or higher	
09	Input Power factor	0.75 or higher	
10	Output Power	Single phase 230V AC, +/- 1%,	
11	Output Frequency	50 Hz, +/- 2%	
12	Overall efficiency	>90%	
13	Total Harmonic Distortion	<3% THD	
14	Battery recharge time	< 8 hours for 90% of total AH capacity	
15	Battery back-up time at full load	Minimum one Hour Battery Backup at full-load.	
16	Batteries	Valve Regulated Lead Acid (VRLA) Sealed Maintenance free batteries with enclosure of reputed make like Exide/ Panasonic/ Amron Quanta.	
17	Voltage regulator	Built-in	
18	Bypass switch	Dynamic bypass switch, built-in	
19	RFI & EMI Filter	Built-in	
20	Inverter Overload	125% for 10 minutes, 150% for 10 secs.	
21	Load protection function	Automatic and graceful	

		shutdown of the load (PC) in event of battery capacity reaching discharge. The software shall save user data automatically, shutdown the application program and operating system.	
22	Event management function	Capable to record historical data, events and send event details through email, SNMP compatible	
23	Network Interface port	1 no. 10/ 100 Mbps port for UPS monitoring on Network	
24	Display meters on UPS	Voltmeter, Ammeter, Frequency meter, Battery Voltage & Current, Load Utilization Percentage	
25	Annunciation & Alarms	Potential free alarm contacts (NO/ NC) for AC input fail, Battery Total Discharged conditions. Local audible and visual alarms on the UPS panel.	
26	Cabinet and enclosure	Fire resistant, Metallic enclosure, Corrosion resistant or equivalent	
27	Battery Cabinet	Battery cabinet for safety of batteries.	
28	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
29	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
30	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – I”**  
**Digital Multifunctional Device (MFD) printer**

S.No.	Specifications	Description	Technically Compliant (Yes/No)
<b>MINIMUM SPECIFICATIONS</b>			
01	<b>Copying Type</b>	<b>Automatic document feeder (ADF)</b>	
02	Platen Cover	Yes	
03	Scan Once Print Many	Yes Required	
04	Copy/Print Process	Indirect Electrostatic Photographic Method (Dry	

		Process) / laser technology or equivalent	
05	Copying Resolution	600 x 600 dpi or better	
06	Scanning Resolution	600 x 600 dpi or better	
07	Printing Resolution	600 x 600 dpi or better	
08	Copying Speed	Minimum 25 CPM	
09	Std Memory of machine	Minimum 128 MB	
10	First Copy Out Time	Less than 7.7 sec	
11	Multiple Copying	Up to 999 Copies	
12	Reduction/Enlargement	From 25% to 400%	
13	Image Density Control	Text-Photo / Text	
14	Power Stabilizer	Inbuilt	
<b>PRINT (Auto duplex)</b>			
15	Std Printer	GDI Printing	
16	Print Speed	Minimum 25 PPM	
17	Interface	USB 2.0 / USB 3.0	
18	Network Interface and protocol	10 Base-T / 100 Base-TX , TCP / IP Protocol	
<b>19</b>	<b>Paper type</b>	<b>A3, A4, Legal etc.</b>	
20	Operating Systems	Should support Windows , Linux Operating System, SUSE Operating Systems	
<b>SCANNER</b>			
21	Std Scan	TWAIN compliant , Scan to PC, Email and FTP	
22	Resolution	100 x 100, 200 x 200, 300 x 300, 600 x 600 dpi	
23	Interface	High Speed USB 2.0 / 3.0	
24	Output format	Tiff, pdf with advance scanning options and output	
25	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
26	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
27	Service Centre	Must have Company Authorized Service Centre in Capital City/ High Court Place	
28	Energy star certified / BEE Certified	Yes Required	

**“Minimum Specifications –K”  
High Speed Network Laser Jet Printer**

<b>S. No.</b>	<b>Specifications</b>	<b>Description</b>	<b>Technically Compliant (Yes/No)</b>
01	<b>Print Speed</b>	<b>35 ppm or above (Black) (A4 size)</b>	
02	First page out	Less than 10 sec	
03	Resolution	600 X 600 DPI or above	
04	Memory	512 MB	
05	Network Interface	10/100/1000 Mbps Ethernet interface	
06	Duplex	Automatic Duplex capability	

07	Paper Capacity	500 sheets on standard input tray, 100 sheets on multipurpose tray	
08	Operating system required	Windows and Linux Ubuntu 16.04	
09	Monthly Duty Cycle	85,000 copies	
10	Interface	Parallel or High Speed USB 2.0 with cable	
11	Energy star/ BEE Certified	Yes Required	
12	Operating System	Ubuntu Linux and Windows operating system	
13	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
14	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
15	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – L”**

**Multifunctional Printer All-In-One with Wi-Fi Inkjet- Colour printer**

<b>S. No.</b>	<b>Features</b>	<b>Print, copy , Scan &amp; Fax</b>	<b>Technically Compliant (Yes/No)</b>
01	Print /Copy Speed	20 ppm or above (Black) (A4 size) (normal) 16 ppm or above(Colour) (A4 size) (normal)	
02	Resolution	1200 X 1200 DPI or above	
03	Paper Capacity	250 sheets on standard input tray	
04	Scan	Flatbed and ADF scan (Both)	
05	Fax	33.6 kbps fax	
06	Interface	USB 2.0 with cable	
07	Duplex	Automatic	
08	Energy Star / BEE certification	Yes required	
09	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
10	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
11	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – M”**  
**Duplex Network Laser printer with Wi-Fi**

<b>S.No.</b>	<b>Items</b>	<b>Minimum Specifications</b>	<b>Technically Compliant (Yes/No)</b>
01	Print Speed	Minimum 25 ppm	
02	Resolution	600 x 600 dpi and above	
03	Memory	128 MB RAM	
04	duty cycle	Minimum 8000 pages per month	
05	Port	High Speed USB port	
06	Networking	10 Base T/100 Base Tx networking ETHERNET Connectivity , built-in Ethernet, WiFi 802.11b/g/n	
07	Printing	Automatic Duplex printing : A4, LEGAL, LETTER	
08	Operating System supported	Ubuntu Linux, Red hat , Windows Operating System	
09	Energy star/ BEE Certified	Yes Required	
10	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
11	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
12	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

**“Minimum Specifications – N”**  
**Servers of Reputed Make and Brand**

<b>SI.No</b>	<b>Parameter</b>	<b>Minimum Specifications</b>	<b>Technically Compliant (Yes/No)</b>
01	Processor	2 x Intel Xeon Quad Core Processor E5 2620 V4 2.40 GHZ or Higher	
02	Cache Memory	20 MB L3 Cache or higher	
03	Chipset	Intel 610 or higher	
04	Memory	32 GB ECC DDR4 RAM 667 MHz upgradeable to 192 GB or higher	
05	Hard Disk	6*300 GB Hot Plug SAS 15K RPM (Support At least 6 Hard drives) or higher	
06	Storage Controller	RAID controller with 1 GB cache support RAID 0,1,5,10 or better	
07	Optical Drive	DVD-RW	
08	LAN	Two number gigabit Ethernet, 1000 base-t, ports, dedicated gigabit Ethernet	
09	Expansion Slot	At least 6 expansion slots (three PCI Express, three PCI-X (64 bit PCI slots) or above	

10	Interfaces	VGA displays minimum 4x USB 2.0 / 3.0 ports and 1x DB-9 service port or more.	
11	Power Supply and Fans	Redundant Power Supplies (hot plug), Redundant Fans	
12	Server Management	Enterprise Server Management Software – with remote management features onboard.	
13	Certifications	Both Windows and Linux Certified	
14	Operating Condition	Operating temperature in Continuous Operation 5°C to 40°C at 5% to 85% Relative Humidity	
15	Monitor	Rack mount monitor of minimum 18.5” size, TCO 06 or above certified along with KVM switch	
16	Operating System	Red Hat Linux Operating System latest version	
17	Energy star/ BEE Certified	Yes Required	
18	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
19	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
20	Service Centre / online support	Must have Company Authorized Service Centre in Capital City / High Court Place / onsite support	

**“Minimum Specifications – O”**  
**Desktop Computers (Ubuntu Operating System)**  
**Brand: Dell / HP / IBM or equivalent brand of repute**

S.No.	Description	Specification	Technical compliance Yes/No
01	Category	Business (for work) segment (not Home Segment)	
02	Form Factor	Small Form Factor with Volume less than 13 Liters	
03	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)	
04	Processor Family	<b>Intel Core i5 Processor</b> with Seventh Generation or better.	
05	Base Frequency	2.6 Ghz or Higher	
06	Processor Cache	As per Processor	
07	Motherboard & Chipset	Intel Original Mother Board or equivalent M/B based on associated Chipset with Minimum two free PCI/ PCI-x/PCI-Express slots	
08	TDP (Thermal Design)	Not More than 65 W	
09	System Memory (RAM)	4 GB , 2400Mhz DDR-IV Memory or Higher	
10	Expandable	Upto 16 GB, at least 2 slots	

	Memory		
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more	
12	Preloaded Operating System	Ubuntu/ Free DOS/ Without OS (Ubuntu with all required drivers & plugins)	
13	Operating System certificate	Ubuntu-Linux16.04 LTS or higher	
14	System Architecture	64- Bit	
15	Screen Size & Resolution	18.5 inch TFT LED Monitor (HD Resolution) or higher with TCO6 certification	
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display	
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller	
18	Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard	
19	Speakers	Stereo Sound Speakers (Built-In with CPU Cabinet or Monitor)	
20	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint	
21	Wireless	IEEE 802.11 b/g/n	
22	USB Port	4 x USB 2.0, 2 x USB 3.0	
23	Other Ports	Mic In, Speaker Out, Rj45, VGA/Display Port Out/HDMI	
24	Power Supply/ Adaptor	Optimum Wattage SMPS to support full use of system with all USB ports utilized	
25	Energy Certification	Energy Star (EPA) ver 5.0 or later/ BEE India Star ver 1 or latest	
26	EPEAT Certified	Yes Required	
27	Power Management	ACPI Complaint	
28	USB Ports Security	USB Port Disable (through BIOS)	
29	Security Lock	optional	
30	Hardware Drivers	Vendor to provide for Ubuntu –Linux 16.04 LTS	
31	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
32	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
33	Service Centre	Must have Company Authorized Service Centre in Capital City/ High Court Place	

**“Minimum Specifications – P”**

**Computer System All-in-One (non-touch) having Ubuntu Operating System**

<b>S.No.</b>	<b>Description</b>	<b>Specification</b>	<b>Technical compliance Yes/No</b>
01	Category	Business (for work) segment (not Home Segment)	
02	Form Factor	All in one	
03	Make, Model/ Part No.	(to be given by the bidder- At the time of Technical Evaluation)	
04	Processor Family	<b>Intel Core i5 Processor with Seventh Generation</b> or better	
05	Base Frequency	2.6 Ghz or Higher	
06	Processor Cache	As per Processor	
07	Motherboard & Chipset	Intel Original Mother Board or equivalent Performance Chipset for quoted Processor based Mother Board	
08	TDP (Thermal Design)	Not More than 65 W	
09	System Memory (RAM)	4 GB, 2400 Mhz DDR-IV Memory or Higher	
10	Expandable Memory	Upto 16 GB, at least 2 slots	
11	Hard Disk	Integrated Dual Port SATA III controller, HDD 500 GB, 7200 RPM or more / above	
12	Preloaded Operating System	Ubuntu / Free DOS / Without OS (Ubuntu with all required drivers & plug-in)	
13	Operating System certificate	Ubuntu-Linux16.04 LTS or above	
14	System Architecture	64- Bit	
15	Screen Size & Resolution	Non touch Screen with 21.5” (HD Resolution) or higher with OEM certification	
16	Screen Type	HD Wide Screen Backlit LED Anti-Glare Display	
17	Graphic Processor	Intel HD or equivalent Integrated HD Graphic & sound Controller.	
18	Monitor Mounting Support	Vesa Screws Cover for Wall Mount (OPTIONAL)	
19	Web Camera	1.0 Megapixel HD Built In <b>Webcam or Higher</b>	
20	Pointer Device & Keyboard	OEM USB Optical scrolling Mouse, OEM USB Standard 104 Keys Keyboard	
21	Microphone	Digital Microphone	
22	Speakers	Stereo Sound Speakers (Built-In)	
23	Ethernet	Integrated Gigabit Ethernet Controller with IPv6 Complaint	
24	Wireless	IEEE 802.11 b/g/n	
25	USB Port	4 x USB 2.0, 2 x USSB 3.0	
26	Other Ports	Mic In, Speaker Out, Rj45, VGA/HDMI/Display Port Out	
27	Power Supply/	External Power A.C. Adaptor	

	Adaptor		
28	Energy Certification	Energy Star (EPA) version 5.0 or later/ BEE India Star version 1 or later	
29	EPEAT Certified	Yes Required	
30	Power Management	ACPI Complaint	
31	USB Ports Security	USB Port Disable (through BIOS)	
32	Security Lock	optional	
33	Hardware Drivers	Vendor to provide for Ubuntu – Linux 16.04 LTS	
34	OEM Product	Original Equipment Manufacturer (OEM) Manufacture or its authorized distributors/ dealers with OEM	
35	Warranty	5 Years on site Comprehensive Warranty support with Level 1 Support from bidder and Level2 support from OEM	
36	Service Centre	Must have Company Authorized Service Centre in Capital City / High Court Place	

### Section – VIII (revised)

#### Detail Break up of Cost\*

Name of the Bidder:

#### A . Purchase and Rate contract of Computer Hardware items

S No.	Item Description	Make and model	Unit Price (Rs.)	GST applicable	Any other Tax	Total Unit Price (All inclusive) with 05 on-site warranty for Items (Rs.)	Approximately number of Items*/Rate Contract	Total Cost
01	02	03	04	05	06	07	08	09 = 08x07
01	Desktop Computers (Ubuntu Operating System) <b>Minimum Specification - A</b>						281	
02	Desktop Computers (Windows Operating System) <b>Minimum Specification - B</b>						Unit Rate	

03	Computer System All-in-One with Touch screen (Windows Operating System) <b>Minimum Specification - C</b>						Unit Rate	
04	All-in-Computers (non-touch) <b>Minimum Specification - D</b>						Unit Rate	
5(a)	Scanner - <b>Specification E - 1</b>						Unit Rate	
5(b)	Scanner- <b>Specification E - 2</b>						Unit Rate	
5(c)	Scanner- <b>Specification E - 3</b>						Unit Rate	
5(d)	Scanner- <b>Specification E - 4</b>						Unit Rate	
06	UPS System 800 VA (LIU) <b>Minimum Specification - F</b>						2497	
07	UPS System 1000 VA (LIU) <b>Minimum Specification - G</b>						1077 + 279	
08	UPS System 5 KVA (ONLINE) <b>Minimum Specification - H</b>						Unit Rate	
09	Multifunctional Device (MFD) Network Printers <b>Minimum Specification - I</b>						Unit Rate	
10	High Speed Dot Matrix Printer						Unit Rate	

	<b>Minimum Specification –J</b>							
11	High Speed Network Laser Printers <b>Minimum Specification –K</b>						Unit Rate	
12	Multifunctional Printer all-in-one with Wi-Fi InkJet-Colour printer <b>Minimum Specification –L</b>						Unit Rate	
13	Duplex Network Laser Printer with Wi-Fi. <b>Minimum Specification –M</b>						285	
14	Servers of Reputed Brands <b>Minimum Specification –N</b>						Unit Rate	
15	Desktop Computers (Ubuntu Operating System) <b>Minimum Specification – O</b>						Unit Rate	
16	All-in-one (Ubuntu Operating System) <b>Minimum Specification – P</b>						41	
17	18.5" or higher wide screen LED Backlit based TFT Monitor						Unit Rate	
18	8 GB Pen Drive						Unit Rate	
19	16 GB Pen Drive						Unit Rate	

20	Hard disk							Unit Rate	
21	Random Access Memory							Unit Rate	
22	Mouse							Unit Rate	
23	Mechanical Keyboard							Unit Rate	
24	Installation, Commissioning and Maintenance charges								
<b>TOTAL VALUE in Rs.</b>									

**A.** Total Price in Rs. \_\_\_\_\_  
In words \_\_\_\_\_

**B. Purchase of Computer Hardware items under buyback of thin clients/ Desktop Computers**

S No	Item Description	Make and model	Unit Price (Rs.)	GST and any other duty	Total Unit Price (All inclusive) with 05 on-site warranty for Items (Rs.)	Cost of item under buyback of Thin Clients/Desktop Computers	Final Cost after buyback	* Approximately number of Items to be purchase under buyback	Total Cost	Make Model of item under buyback (working condition)
01	02	03	04	05	06	07	08 = 06-07	09	10 = 08x09	11
1	Desktop Computers for the High Court (Minimum Specification-“A”)							315		Make : HP , Model :HP Compaq DC 5800
2	Desktop Computers for District Courts (Minimum Specification-“A”)							2182		Make : HP , Model : Thin Client HP VC 4725 LNS
3	Desktop Computers for Tehsil Courts (Minimum Specification-“A”)							1077		Make : HCL , Model :WIN BEE 4000 BIX

4	Installation, Commissioning and Maintenance charges									
<b>TOTAL VALUE in Rs.</b>										

**B.** Total Bid Price in Rs. \_\_\_\_\_  
In words \_\_\_\_\_

Signature of Bidder with seal \_\_\_\_\_

Name \_\_\_\_\_

Business address \_\_\_\_\_  
\_\_\_\_\_

**Note (1): The quantities mentioned above are indicative only.**

**The Registrar General, High Court of Madhya Pradesh reserves the right to change the quantities and the configuration of items mentioned above without assigning any reason thereof.**

2. The total price above commercial bid inclusive of all taxes & expenses for 5 (Five) years on-site maintenance & support shall be taken as the basis for evaluation of commercial bids. In case of any discrepancy in the tax factor, the basic product price shall be taken in to consideration for finalization of bids.
3. The number of items may increase depending upon the final requirement of the High Court/ District Courts.
4. The firms / vendors registered under **NSIC are exempted** for submission of tender fees and EMD but they have to submit valid document in this regard as per tender.
5. The bidder has to quote only 01 product of single make / brand at a time and not multiple brands for same item.
6. The Original equipment manufacturer can authorize more than one partner for participation in the bid.
7. Back-to-Back support letter is to be submitted by OEM regarding support of their quoted products.
8. The UPS system is to be supplied with 05 years' onsite warranty and on batteries **02 years support and warranty.** The vendor

- has to assure the availability of batteries of UPS Systems, after the expiry period of batteries for their quoted UPS.
9. The Registrar General, High Court of Madhya Pradesh has full rights to accept or reject any bid, without assigning any reason.
  10. The financial submission sheet is modified accordingly regarding the supply of items.
  11. The Registrar General, High Court of Madhya Pradesh has right to alter the scope of work as per the requirement.
  12. All Prospective bidders are requested to submit the bid with all relevant documents and product brochures / catalogues
  13. On introduction of new levy / taxes / duties the rate / price of items shall change in same proportionate.
  14. The date for submission of this tender is hereby extended till **11<sup>th</sup> July, 2017 before 3:00 PM** and the technical bids of the tender shall be opened on same day **at 3:30 PM.**
  15. For all future correspondence / addendum / corrigendum, please refer to the website of the High Court [www.mphc.gov.in](http://www.mphc.gov.in) , Government tender portal [www.tenders.gov.in](http://www.tenders.gov.in) and procurement portal <https://www.mpeproc.gov.in>.

**Sd/-**  
**REGISTRAR GENERAL**